MCC

MUSKEGON COMMUNITY COLLEGE

2025-2026 Course Catalog

BRING IT OUT.™

Admissions

As an "open door" institution, Muskegon Community College welcomes applications from all who wish to attend. The information requested on the application is used solely to help us serve your educational needs more effectively.

Admission to the College does not guarantee admission to all courses and programs within the College. The special admission requirements to certain courses and programs may be obtained from appropriate sections of this catalog or by inquiring at the departmental office in question.

Students wishing to enter the Nursing, Medical Assistant, and Respiratory Therapy must submit additional applications. Applications for these programs may be obtained through meeting with an MCC counselor.

Orientation

Completing orientation is proven to help students attain a higher GPA and complete more credits. Because MCC is dedicated to helping all students succeed, orientation is mandatory for all new MCC students, transfer students, and returning students who have been out of college for three or more years. Early College students should speak with their Dean or Mentor regarding how to satisfy the orientation requirement. Students will receive an email with instructions for completing orientation *after* they have submitted an application for admission to MCC and received notification of acceptance.

The first part of orientation will cover what students need to know before registering for courses at MCC. At the end of this brief session, students will have the opportunity to sign up for workshops that further detail a variety of additional information and resources.

Change of Name or Address

You should promptly notify the Student Welcome Center of any change in name or address that occurs while you are enrolled at the College. Name changes must be made in person. Legal proof of name change is required (drivers license, marriage license, social security card, voter registration card). The data change request form can be found here: https://www.muskegoncc.edu/wp-content/uploads/2025/03/Student-Personal-Data-Change-Request-Form_Secured.pdf. Please note that changing your address does not automatically change your residency.

Residency Policy

Determination of residency status is governed by the following:

- To qualify as an in-district resident, you must have lived within the confines of Muskegon County for six consecutive months prior to the first day of classes for any semester.
- To qualify as an out-of-district resident, you must have lived within the confines of the State of Michigan for six consecutive months prior to the first day of classes for any semester. If you have previously registered as a non- resident you may change to in-district resident status upon satisfying the requirements above. When recently married you shall be deemed an in-district or Michigan resident if your spouse satisfies the requirements above. Initial residency status shall be determined by the Office of the Registrar.

It is your responsibility to notify the Student Welcome Center, prior to the first day of classes for any semester, of any change in residence that would affect your residency classification. THE BURDEN OF PROOF LIES WITH YOU, THE STUDENT. The above applies only to American citizens, permanent residents and refugees. Required documentation is listed below. All documentation must have the address and required dates listed.

- Michigan Driver's License
  OR
- State-issued I.D.
  AND
  One of the following:
- Voter's registration
- Vehicle registration
- Vehicle insurance
- Property tax receipt
- Property lease
- Utility bill
- Notarized verification from an in-district or Michigan resident stating that you have resided with him/her/them for at least six months prior to the start of the semester.

Residency Status for Veterans, Military Personnel, and Eligible Dependents

Residency is based on the location of the present domicile of the applicant with the six-month requirement waived if the applicant can provide any of the following documents. This waiver is extended to the dependents (spouse and children) of the person named on the Department of Defense 214 or 899 who reside at the same address, or to dependents who do not reside at the same address but are identified as a dependent per VA Benefit guidelines. Students seeking a military veteran residency waiver need not have lived in Michigan prior to military service.

Student shall provide one of the following:

- Department of Defense 214, Separation from Active Duty Form
- Department of Defense 899, Change of
- Station Form, showing the Muskegon area as the duty station.
- Department of Defense 899, Change of Station Form, showing a change of duty station for the head-of-household to an overseas destination or as the result of an emergency mobilization.
- Eligible dependents can show relation through birth certificate, marriage license, VA benefit eligibility letter, or other official document dependent on verification by an MCC official.

Additionally, the following individuals shall be charged in-state tuition:

Any individual using educational assistance under either Chapter 30 (Montgomery GI Bill® – Active Duty Program), Chapter 31 (Vocational Rehabilitation), Chapter 33 (Post-9/11 GI Bill®), Chapter 35 (Dependents Educational Assistance), or Chapter 1606 (Montgomery GI Bill® – Select Reserve), of title 38, United States Code, and/or the Marine Gunnery Sergeant John David Fry Scholarship (38 U.S.C. § 3311(b)(9)) who lives in the State of Michigan while attending Muskegon Community College (regardless of his/her formal state of residence).

Student ID

A digital MCC student ID is required. After registering for courses, be on the lookout for an instructional email from ID123. If you have registered for courses and have not received the ID123 email, please stop at the Welcome Center to have it re-sent.

Full-time Student

If you are enrolled for 12 or more credit hours per semester, you are considered a full-time student. Note, however, earning the associate degree (62 credits) in four semesters will mean carrying an average of 15 ½ credit hours per semester. If you wish to graduate in two years you must carry more than the 12 credit hours each semester or plan on attending Summer sessions.

Part-time Student

If you are carrying fewer than 12 credit hours per semester you will be a part-time student. If you are enrolled for 9-11 credit hours per semester, you are classified as "three-quarter" time, and 6-8 credit hours per semester you are a "half-time" student. If you are applying for financial aid as a part-time student, you should consult the Financial Aid Office for details regarding how much help is available to you each semester.

Regular Admission

If you are seeking admission to Muskegon Community College, applications are available online at www.muskegoncc.edu/apply. Submit official high school or GED transcript and include ACT, SAT and/or MME scores. Transcripts are considered official when they are mailed directly from a high school to MCC, sent via email (directly from a high school to MCC) to admissions@muskegoncc.edu or by requesting them through a third party such as www.parchment.com or https://www.ged.com/. It is free to apply!

Returning Students

The following information is designed for students who have not attended MCC within the last three years or have earned a degree or certificate from Muskegon Community College. You will need to complete the following information:

- Reapply to Muskegon Community College as a returning student. Your new and previous student information will be merged together. If you have changed any student information please fill out the Student Personal Data Change Request Form and submit it to the Student Welcome Center.

If you haven't already, submit an official high school or GED transcript to MCC, which can be sent to us from a third party such as https://www.parchment.com/ or www.ged.com. Transcripts can also be emailed or mailed directly from your high school or GED testing center. Please send official transcripts to:

Admissions@muskegoncc.edu

Or mail to:

Muskegon Community College
Attn: Admissions Office
221 S. Quarterline Rd.
Muskegon, MI 49442

High School Guests/Dual Enrollment Admission

High school students may be permitted to enroll as guests while still enrolled in high school. They must first submit an MCC online application identifying themselves as a high school guest, send a high school transcript with ACT, SAT and/ or MME scores to MCC's Admissions Office, and complete a dual enrollment approval form found here: muskegoncc.jotform.com/242205530759051. A new completed dual enrollment approval form is required every semester.

A dual-enrolled student may have to complete Placement Testing. Please look at course prerequisites to determine if Placement Testing is required. Interested students should contact their high school principal or counselor for further information.

Early College Students

Early college blends high school and college in a rigorous yet supportive program, compressing the time it takes to complete a high school diploma and the first two years of college. For additional information please reach out to your Early College Advisor within your local school district or contact Val Shelby at 231-777-0217.

Transfer Student

If you attended another institution and plan to transfer credits to Muskegon Community College please complete the online application as a transfer student and have all official transcripts sent to MCC for an evaluation. All College transcripts must be sent directly to MCC. MCC will not accept transcripts hand delivered. Transfer students who wish to receive a degree from Muskegon Community College must complete no less than 30 or the last 15 hours at MCC and attain a 2.0 or better overall grade-point average. Transcripts should be sent for evaluation directly to:

OfficeoftheRegistrar@muskegoncc.edu

Or mail to:

Muskegon Community College
Attn: Registrar's Office
221 S Quarterline Rd.
Muskegon, MI 49442

College Guest Admission

Students attending other Colleges or Universities within the state may be admitted as guests by filing a Michigan Uniform Undergraduate Guest Application in addition to the online admissions application. Guests should develop a program of study with an advisor at their home institution to insure proper course selection and credit transfer. College Guest status must be renewed each semester.

Please follow the following steps to ensure an effortless college guest experience:

1. Apply for admission, indicate college guest as your program, and complete the Michigan Uniform Undergraduate Guest Application.

2. Complete Part I of the Michigan Uniform Undergraduate Guest Application by printing clearly or typing, then signing the application.

3. Ask an official at your current institution to complete Part II and submit the application to MCC's Admissions office.

4. Consult your advisor at your primary institution to ensure appropriate course selection to meet your transfer requirements.

5. Register and pay for classes. Guest students pay all tuition and fees as they do not qualify for financial aid.

6. Request an official transcript be sent to your home institution after completion of the class.

Sponsorship Students
Students who are interested in attending MCC being sponsored by their employer should complete an application as well as a Sponsorship Authorization form. More info can be found here: www.muskegoncc.edu/admissions/become-a-student/employer-sponsored-students/.

Apprentice Student
Apprentice students need to complete the application as a community guest student. Regulation of the number of apprentices in any trade is a negotiated item in labor contracts or is set by the Bureau of Apprenticeship and Training. It is not a decision of the College. In addition to applying for admissions, students will also need to submit a completed Sponsor Authorization Request Form each semester; www.muskegoncc.edu/wp-content/uploads/2024/03/MCC-Sponsor-Form-Update-2023.pdf

Community Guest Admission
If you have not completed high school or the GED, or wish to take selected courses without the intent of earning a degree, diploma, or certificate, you may be admitted as a Guest (non-degree) applicant. As a Guest student you will be eligible to change to regular admission status upon submitting your high school transcript, GED test scores or appropriate test results to the Admissions Office. It is your responsibility to initiate the change to regular admission status. Additionally, Guest students are not eligible for financial aid.

International Student Enrollment International Students that would like to be considered for enrollment at MCC must submit necessary documentation, including official translated high school transcripts, proof of funds and English proficiency. The application checklist can be found at www.muskegoncc.edu/admissions/become-a-student/international-students/. Additional information can be obtained by emailing international@ muskegoncc.edu or calling 231-777-0599.

Senior Citizen Tuition Waiver Policy
Any legal resident of Muskegon County who is 60 years of age or older before the first day of the semester in which admission is sought, is eligible to receive a Senior Citizen Tuition Waiver. Interested senior citizens must:

1. Present a valid Michigan Driver's license or State ID to the Student Welcome Center for verification
2. Meet all MCC admission requirements
3. Meet all course requirements, which may include placement testing.

Senior citizens may register as degree seeking or auditing (non-credit seeking) students for courses on a space-available basis without payment of tuition. However, students will be responsible for the cost of supplies, course fees, registration fee, technology fee, and infrastructure fee. If degree seeking, students using the Senior Citizen Tuition Waiver must meet the MCC degree requirements and are recommended to attend New Student Orientation. The Senior Citizen Tuition Waiver does not cover secondary admit programs, including Medical Assistant, Nursing, and Respiratory Therapy. This waiver cannot be applied retroactively; verifying documentation must be presented to the Student Welcome Center prior to the first day of the semester in which admission is sought.

Transcripts
High school transcripts are accepted electronically from a third party such as www.parchment.com, https://www.needmytranscript.com/ or mailed directly from the high school to MCC. MCC will not accept hand delivered high school or GED transcripts. SAT and ACT score reports downloaded by the student or sent directly from www.CollegeBoard.com are accepted. GED transcripts can be sent to MCC electronically via www.GED.com. College transcripts, Advanced Placement (AP), International Baccalaureate (IB), and College Level Examination Program (CLEP) scores must be sent directly to MCC from the awarding college and/or College Board/IB.

MUSKEGON COMMUNITY COLLEGE SCHOLARSHIPS

MCC Adult and Re-entering Scholarship
Amount: up to $1,000 annually. This scholarship is for non-traditional students. Requirements:

1. Must be in a degree seeking program.
2. Must be enrolled in a minimum of 6 credit hours.
3. If re-entering, there must be a three-year break in your education at Muskegon Community College for you to be considered for this award.
4. Must complete FAFSA to demonstrate financial need.
5. Minimum 2.0 high school or last college attended GPA.
6. General essay required.

Senior Citizen Tuition Waiver
Muskegon County Residents who are 60 years of age or older may enroll under the Senior Citizen Tuition Waiver program. This program waives tuition for both credit and audited courses, except for Medical Assistant, Nursing, Respiratory Thearpy. Financial need is not a criterion for this program. You must provide proof of eligibility prior to the start of the semester at the Student Welcome Center. You may still be eligible for Financial Aid. For more details about the requirements and procedures for this tuition waiver, visit www.muskegoncc.edu

Achievement-Based Scholarships In Academic and Performance Areas
This program provides tuition grants to students who demonstrate a particular creative talent (for example: in art, music, drama, dance, creative writing, etc.) or a high level of achievement in a certain academic area. Students are nominated by the faculty of each academic department and each department sets its own guidelines for selection of students. Recipients are normally expected to participate in the activities of the department and/or maintain a specified level of academic achievement within their program of studies.

This program is not based on financial need. Grants may range up to full tuition, and may be renewed upon the recommendation of the department. Information may be obtained by contacting the Chairperson of the academic department in which the student is interested, or on MCC's website under scholarships.

Athletic Grants

These grants, ranging up to full tuition and books, are available to students who demonstrate collegiate-level athletic ability, carry a minimum of 12 credits per semester, and participate in one of the intercollegiate sports offered at MCC. Students must maintain academic eligibility in order to participate in intercollegiate athletics as well as to receive a grant. These scholarships (or grants) are awarded by sport and the amount awarded is at the discretion of the coach of that sport.

Registration Information

Registration at Muskegon Community College takes place three times a year, starting in April for the fall semester, November for the winter semester, and March for the summer session. The fall and winter semesters are 15 weeks in length and the summer session is 12 weeks in length. The summer session generally begins in May and is offered with a variety of start and ending dates. Register as soon as you are eligible to help ensure your place in the classes you desire.

To ensure you are eligible to register, make sure you have:

- Been admitted or readmitted to Muskegon Community College
- Cleared all financial holds
- Completed all placement tests or submitted appropriate ACT, SAT or MME scores.
- Have completed all course prerequisites
- Completed new student orientation

1. **Testing**. Before registering for classes, send any previous placement exam scores to Muskegon Community College, such as ACT, SAT, Accuplacer, etc. These scores may be used by a Counselor to help place you into the courses that are most appropriate for your current level of knowledge. Please consult a counselor for more information.
2. **Counseling**. Schedule an appointment to see a counselor early. The counselor can assist you in curricular planning and with other concerns you may have.

Priority Registration

Priority Registration is available exclusively to currently enrolled students. Using the MyMCC, current students have the first opportunity to select courses before registration is open to other individuals. Registration is based on a priority system that allows you to begin registration according to the number of total MCC credit hours completed. Priority begins with students who have earned the most MCC credit hours and ends with the students with the least MCC credit hours. A few weeks before priority registration begins, students will be emailed with their priority registration start times. You may register starting at your assigned time or after, but not before.

Online Registration

To register for classes online:

Step-by-Step instructions for registering for classes online in Self-Service/Student Planning are available online at www.muskegoncc.edu/registration. For additional assistance with online registration, email registration@muskegoncc.edu or call (231) 777-0211.

Adding Courses

Prior to the beginning of the semester, you may add courses from the start of the registration period up to the day the class begins. A student must have written permission of the instructor to add a class once it has met. Regarding online classes, a student must have written permission of instructor to add a class on or after its published start date. Refer to Student Planning in the MyMCC for class information.

Dropping Courses

(Other than complete withdrawal from the College)

The preferred method of dropping courses is through Student Planning in the MyMCC. You may also drop courses by submitting an Add/Drop form in-person, to the Student Welcome Center prior to the withdraw deadline. If changing courses/ sections after the drop period, students may only transfer from one section of a course to another section of the same course. Students attempting to drop and add courses of different names outside of the 100% refund period will be billed for tuition accordingly.

You are strongly encouraged to consult with your instructor and a counselor prior to processing a withdrawal. If you have financial aid or scholarships, it is especially important for you to contact the Financial Aid Office prior to withdrawing. You may drop/withdraw through Student Planning in MyMCC or by submitting an Add/Drop form to the Student Welcome Center.

- No grade will be recorded on your transcript if the course is dropped **during the drop/ refund period**.
- You may withdraw from a course **after the drop/refund period** up to the week prior to examinations. For early-ending courses, you may withdraw from a course after the refund period until one day prior to the end date of the course (prior to the final examination). Withdrawal from a course will generate a grade of "W" on your academic record and tuition/fees are not refunded.

Prerequisites & Co-Requisites

Prerequisites and co-requisites are listed in course descriptions and are subject to change with each new catalog. It is the student's responsibility to meet the prerequisites and / or co-requisites in effect for the term in which a course is taken, regardless of the catalog under which the student entered or will graduate. Students may be stopped from enrolling or may be dropped if prerequisites or co-requisites are not met.

Prerequisite: A prerequisite is a requirement that must be successfully completed before a student may enroll in a course. Prerequisites are based on the essential skills or competencies to be successful in the next level course.

Co-requisite: A co-requisite is a course that is either recommended or required to be taken in combination with another course.

Wait Lists

Once a course has reached the maximum enrollment, students are given the option to be placed on a wait list. This option must be chosen at the time of registration. The wait listed course cannot conflict with other courses in the student's registration schedule and cannot be place on multiple sections of the same course. Being on a wait list does not mean the student is registered in the course. Once space becomes available in a class, wait listed students will be offered a position in the class based on the student's position on the wait list.

Once the course begins wait lists will no longer be available.

If you wish to attend a class, but do not desire credit or a grade, you may elect to audit a class. If you audit a class, you are required to pay the same tuition and fees as those taking courses for credit.

MCC permits students to register for college credit courses on a non-credit (audit) basis. Those who wish to do so should consult with a member of the counseling staff regarding College policies and procedures for audit status enrollment.

Academic Support (College Success Center)

Academic Support, formerly The College Success Center

Room 3081
https://www.muskegoncc.edu/departments/academic-support/

The Academic Support Department's goal is to assist students in attaining academic success. We do this by helping them understand how they learn best and how to effectively use resources to maximize their learning. We meet students where they are and support them on their academic journeys.

Courses are offered in traditional classroom settings, hybrid, and synchronous online formats and include the following:

- Reading 090, an integrated reading and writing course that is taken as co-requisite support for English 101
- CSS 100A, a college success strategies course

The Academic Support Department is open at convenient times to provide students with flexibility in their scheduling. A variety of **academic support services** are offered both in-person and online.

Orientation and First-Year Experience

Getting off to a great start is proven to help students succeed in college. MCC has a brief, mandatory online orientation that shows students what they need to know before registering for classes. Students can then choose from a variety of workshops and events designed to help them thrive at MCC.

Math Support

The College Success Center provides math support for students of all experience and skill levels. These include access to free self-guided reviews, customized math refresher workshops, and one-on-one and group tutoring sessions.

Tutoring Services

Free tutoring services are available for all MCC students. Tutors can provide individual support to help students better understand assignments and course material.

The Writing Center

Whether you are amazing at writing or need a little help, MCC's Writing Center is here for you at any stage of the writing process for any writing assignment!

In-person and online Tutoring and Writing Center appointments can be made by navigating to the MyMCC page, clicking on the Schedule an Appointment link under Student Support, then selecting the desired appointment type.

MUSKEGON COMMUNITY COLLEGE BOOKSTORE

Located on the Main Campus **(231)777-0235**
muskegoncc.bncollege.com

COUNSELING AND ADVISING

Room 1050 • www.muskegoncc.edu/counseling

MCC's counseling faculty offer a wide variety of educational, career, and personal counseling services. Counselors have specific pathways in which they advise, so please specify your pathway of interest when setting up an appointment. If you are an undecided student, you may set up an appointment with any of the counselors. Counselors will work with you to create an educational map to assist you in reaching your educational and vocational goals. Counselors work closely with academic departments and transfer colleges to help advise you on the best course selections for your program. If you plan to transfer after your degree at MCC, it is strongly encouraged you meet with a counselor each semester, because suggested courses will vary with each college/university.

MCC offers six pathways for students to choose from:

(1) Arts, Humanities & Communication

(2) Engineering/Manufacturing and Industrial Technology

(3) Health Services

(4) Human Services

(5) Business & Information Technology

(6) Math & Science

Our Licensed Professional Counselors can assist you in exploring your interests, and values, and how these help build a foundation for career exploration. Educational and personal counseling can help you adjust to a new academic environment and resolve problems that may interfere with success at Muskegon Community College.

Counselors provide free, confidential and professional mental health counseling services, resources, and referrals to support the academic and personal success, health, and well-being of our students. Students often visit the Counseling and Advising Center to discuss a wide variety of topics that include, but are not limited to: depression, anxiety, relationship concerns, stress management, suicidal ideation, indecision about a major or career path, academic concerns such as failing grades or struggling with a subject.

Beyond individual services, the Counseling and Advising Center offers a variety of workshops, presentations, and activities supporting wellness and health.

Students can schedule face-to-face, virtual, or phone appointments, Monday through Friday. Appointments may be made in Room 1050 or by calling (231) 777- 0362. Current Muskegon Community College students can log into MyMCC and self-schedule appointments.

Express Counseling and Advising is available throughout the week. Express drop-ins are intended for immediate concerns that can be resolved in a 5-10 minute conversation. For in- depth counseling and advising services such as academic planning, career, personal counseling, and transfer services, you must make a full appointment. Counselors also offer Extended Counseling and Advising drop-ins during peak enrollment times each semester. The dates and times can be found on the Counseling and Advising Centers' website https://www.muskegoncc.edu/departments/counseling-advising/

DISABILITY SUPPORT SERVICES

Room 2046 Phone number: (231) 777-0309 E-mail: mccdss@muskegoncc.edu Website: www.muskegoncc.edu/student-resources/student-success/disability-support/

Mission

Disability Support Services is committed to providing reasonable accommodations and services to qualified students with disabilities. This commitment is consistent with the legal requirements set by the Americans with Disabilities Act of 1990 (ADA), the Americans with Disabilities Amendments Act of 2008, Section 504 of the Rehabilitation Act of 1973, and other federal and state laws and regulations pertaining to individuals with disabilities.

Accommodations

Muskegon Community College strives to reduce the impact of disability on a student's opportunity to learn by providing accommodations to eligible students. Accommodations must be reasonable and are determined based on the student's documentation and individual need. Disability Support Services will receive accommodation requests at any point in the semester; however, students should allow a minimum of two weeks processing time for accommodations to be implemented once all required documents have been received. Please note that accommodations cannot be provided retroactively.

Auxiliary Aids

The DSS office makes auxiliary aids, such as assistive technology, available to qualifying students.

DSS Counseling & Advising Services

Disability Support Services provides specialized counseling and advising services for students with disabilities. The DSS counselor is a Licensed Professional Counselor (LPC) in the State of Michigan and provides students with comprehensive academic advising, career counseling, group counseling, and short-term personal counseling services. Students who register with Disability Support Services should work with the DSS counselor as their assigned academic counselor regardless of degree pathway.

Perkins Occupational Grant

The Perkins Occupational Grant provides financial assistance to eligible students who are enrolled in occupational programs at Muskegon Community College. To view eligibility requirements and to learn more about applying for a Perkins Occupational Grant, please visit www.muskegoncc.edu/student-resources/student-success/disability-support/.

Service Animals

While not required, it is highly recommended that a student with a service animal register with the Disability Support Services office prior to bringing the service animal on campus

OTHER FEDERAL AND STATE PROGRAMS

Vocational Rehabilitation Service Program

This state program provides assistance to students who have physical, mental, or emotional disabilities. Information may be obtained by contacting any Michigan Department of Career Development Rehabilitation Services District Office.

Native American Tribal Scholarships

This federal program provides financial assistance for needy Native Americans. Applications may be obtained by contacting your tribal chairman. Students must also apply for financial aid through the College by submitting the FAFSA (Free Application for Federal Student Aid).

Michigan Indian Tuition Waiver

Contact your tribe or the Michigan Department of Civil Rights to determine if you qualify for the tuition waiver.

FINANCIAL AID

Muskegon Community College, through its financial aid programs, attempts to assist students who would not otherwise be able to pursue their educational goals. Numerous federal and state programs, as well as College-sponsored and privately funded programs are available to assist qualified students. Most of these programs are described in the following paragraphs.

Students must meet the criteria for particular programs, be in good academic standing, and make normal progress toward a degree in order for funds to be awarded or renewed.

Federal regulations require that, in order for an award to be renewed under a federal program, the student must not owe a repayment on a previous loan or grant. The College also reserves the right to withhold all services—including the issuing of academic transcripts—from any students who have not met their financial obligations to the College.

Applications, Procedures and Deadlines

In order to be considered for financial assistance, students must do the following:

1. Be accepted for admission to the College as a regular student (new students must submit a completed Application for Admission online at www.muskegoncc.edu).
2. Complete and submit a FAFSA (Free Application For Federal Student Aid). Request that a copy be sent to Muskegon Community College (College Code #002297). This is required for all aid programs based on financial need. See studentaid.gov for more information.
3. Immediately respond to any requests. Additional documentation, including signed copies of Federal tax returns, may be needed to complete your financial aid file.

In order to receive full consideration for financial assistance, completed applications must be on file at the College by the following dates:

for FALL SEMESTER... May 1

for WINTER SEMESTER.. October 1

for SUMMER SESSION.. March 1

Applications received after these dates will be considered on a first-come, first-served basis, if funds are available.

Most financial aid is awarded for only one academic year at a time. Students must submit new applications in order to receive consideration in a subsequent year.

HENDRICK MEIJER LIBRARY

Room 1065

Formerly the Allen G. Umbreit Library, the Hendrik Meijer Library provides instructional materials and information services to support the curricula offered by the College and to meet the informational needs of students, faculty, staff and administration. The library extends these services to the community and serves as a catalyst in the lifelong learning goals of the citizens of Muskegon County and the greater West Michigan area.

Public Services Desk
Students' MCC ID cards are used as a library card. To activate it as a library card, you must present your MCC ID card to the library along with a valid Michigan driver's license or identification card and fill out a library card application. You must present your card to check out materials.

Most materials may be renewed at the public services desk. You may renew these materials over the telephone by calling (231) 777-0270. If a book you want is already checked out, you may place a hold on it. Holds may be placed at the public services desk.

Instructor-reserved textbooks are also at the public services desk. These materials have varying check-out periods or may be limited to library use only. Also, you may reserve a study room at this desk.

Reference Area
The reference librarians will assist you in learning how to locate and use materials in the library. They can help you select materials, evaluate sources, and properly document your sources. This area contains reference material in print form and also on electronic databases. Ask a reference librarian for assistance in using these tools. There is a librarian available all hours the library is open.

Library Catalog
All books, instructor reserved materials, print periodical subscriptions, video cassettes, DVDs and CDs are listed in the online catalog. The catalog, which is mobile friendly, provides location information which enables users to quickly determine where the material is located and if it is available. If you need assistance in finding materials, ask at the reference desk or the public services desk.

Classification System
A collection of approximately 65,000 volumes is shelved in the library using the Library of Congress classification system. Subject divisions can be used for general browsing. For more specific searching, check the online catalog first or see a reference librarian.

Research Databases
Use the research databases to locate articles, reports, and online books. Many articles may be printed directly from the computers. Most of these databases are also available off campus. Access the library databases via the MyMCC library page. The majority of our periodicals are available only in electronic format via our numerous databases.

Interlibrary Loan
Books and journal articles not available at the MCC library may be requested through Interlibrary Loan.

Archives
The Archive is a collection of historical material about Muskegon Community College. For access to this material, ask a reference librarian.

Study Rooms
These nine rooms can be reserved at the Public Services desk. They are available first-come-first-served, unless reserved ahead of time. MCC students have priority use, but all patrons are welcome to check one out.

Quiet Reading Room
The quiet reading room is intended for quiet study.

Computers for Student Use
For students who desire research assistance, there are computers near the reference desk.

Special Facilities
- Wheelchair accessible stations are available for viewing the online catalog and for computer use.
- Book drops are located in various places throughout the campus:

At the public services/circulation desks

In the hall outside the front door of the library

In a drive-up outside the library in the circle drive

- A copy machine is available.
- The Cybercafe with vending machines is on the first floor.
- A microfilm/microfiche reader is located on the first floor near the reference desk.

For more information regarding library services, contact:

- Library Information: (231) 777-0269
- Reference Services: (231) 777-0326
- Circulation/Public Services: (231) 777-0270

INTERNATIONAL STUDY PROGRAMS

For information on international, travel and study opportunities at MCC, visit https://www.muskegoncc.edu/campus-life/study-abroad/ MCC offers a variety of study abroad programs through partnerships with the Illinois Consortium for International Studies and Programs. Program vary in length from two weeks to three months and provide students with exceptional choices of programming and experiences.

Internship Program

INTERNSHIP PROGRAM

MCC realizes that there are important elements of business and industry which cannot adequately be taught within the confines of the laboratory or classroom walls of MCC, and therefore, has an active internship program. The goal of the internship program is to provide the student with on-the-job experiences supervised by successful, experienced professionals. This experience shall directly support the development of a student's technical skills, knowledge, and career path. The employer shall gain a reliable, flexible, and enthusiastic potential employee while assisting in the student's career preparation goals.

For more information, visit the internship page https://www.muskegoncc.edu/academics/workforce-development/internships/ or contact internship coordinators.

For information on Business and Applied Technology internships - Jared Olson, Workforce Training and Internship Coordinator in the Sturrus Technology Center, Room #120, at (231) 777-0300 or jared.olson@muskegoncc.edu.

For information on Education Department internships - Jennifer Jones at (231) 777-0397 or Jennifer.jones@muskegoncc.edu.

MCC Jayhawk Athletics

Bartels-Rode Gymnasium

MCC has maintained a program of intercollegiate athletics for both men and women for many years, while attempting to maintain teams in a wide variety of competitive fields. MCC is a member of the Michigan Community College Athletic Association, Region 12, and the National Junior College Athletic Association. Men's sports include baseball, basketball, bowling, cross country, golf, soccer, track & field, and wrestling. Women's sports include basketball, bowling, cross country, soccer, softball, track & field, and volleyball. In 2022-2023, co-ed Esports was added. Call (231) 777-0381 or (231) 777-0462 for information.

Questions about eligibility should be directed to the Athletic Director. Transfer students should secure a transcript from any college previously attended and have it placed on file in the Office of the Registrar to aid in the determination of eligibility. Athletic scholarships are available in all sports sponsored by the College.

All regular season home contests and games are currently free to the public. Home contests and games that are indoors are held in the MCC Bartels-Rode Gymnasium. Home baseball and softball games are played on the baseball/softball fields which are south of the gymnasium. Men's and women's soccer and track & field contests are held off-campus at local high schools.

Please check www.muskegoncc.edu and click on "Athletics" for up-to-date schedules and other information.

MCC Recreation

The Health and Wellness Center is home to the HPER and Athletic Department offices as well as a state of the art fitness center, weight room, walking/ jogging indoor track, gymnasium, fitness lab, and men's and women's locker rooms. The facility is free to use for current MCC students, staff, and faculty members.
MCC is committed to providing activities that match the interests and desires of its students. The MCC Intramural Sports program shares in those efforts by providing multiple free co-ed sports leagues that include basketball, golf, volleyball, tennis, and bowling.

Athletic Director
Jason Cooper
(231) 777-0690

	HEAD COACHES	
Brian Houts *Men's Baseball*		Sam Felicioni *Men's Soccer*
Gene Gifford *Men's Basketball*		Amy Lassanske *Women's Soccer*
Jason Cooper *Women's Basketball*		Dave Veihl *Women's Softball*
Bill Bowen *Men & Women's Bowling*		Samantha Fehler *Women's Volleyball*
Nick Marcinkowski *Men & Women's Cross Country*		Cody Carpenter *Men's Wrestling*
Ted Tallefson *Men's Golf*		Nick Marcinkowski *Men & Women's Track & Field*
	David Klinger *Co-ed Esports*	

LOCAL COMMUNITY PROGRAMS

Many local clubs, businesses, and agencies sponsor scholarship programs. High school students should contact their guidance counselor for information on these sources of financial aid.

Many companies sponsor scholarships for their employees and/or children; students should check with the personnel offices of their own or their parents' employers.

STUDENT HOUSING RESOURCES

Muskegon Community College is a commuter school, so we do not offer on-campus housing. Our general housing page on our website (https:// www.muskegoncc.edu/ student-services-and- administration/student-housing/) has more information on local apartment complexes and property management offices. However, we are here to help you access community resources which offer assistance in times of immediate emergency housing needs. Please contact the Jayhawk Hub in Room 2046 or call 231-777-0224.

Student Life

Room 1055

The Muskegon Community College Office of Student Life, as a division of the Student Success Department, seeks to engage students through

- celebrating Jayhawk pride,
- out-of-classroom programming,
- leadership development, and
- community connections

Students are encouraged to enrich their college experience by participating in college-sponsored events and activities. These activities help students meet peers, learn new skills, connect with resources, mentor others, and ultimately persevere through the challenges of college life. The Office of Student Life oversees the planning of the annual Jayhawk Frenzy welcome events at the beginning of each Fall Semester, in addition to monthly events and programs throughout the academic year. Staff from Student Life are housed on campus in the Student Success Department, Room 1055. Student Life is also where students can start or join a student organization, and build leadership through this involvement. The Office also facilitates wider strategic partnerships by inviting community organizations which may benefit diverse student needs and interests onto our campus.

Registered Student Organizations and Clubs

Student Life adds to the college experience by offering the opportunity to join many diverse clubs and organizations on campus. Our goal is to empower students by providing social and leadership roles with the purpose of creating tomorrow's leaders.

Student organizations encourage intellectual, social, cultural and leadership development. In many cases these organizations enable students to work on projects related to the classroom experience. Current information on such activities is publicized on campus each semester.

If you have a common interest with other students and would like to form a student organization, stop by the Student Success Department. Full time faculty/staff advisors oversee each club. Members must be enrolled as students at MCC.

Lists and contact information for currently recognized student groups are available online at www.muskegoncc.edu/campus-life/get-involved/clubs-organizations/

Student Government Association (SGA)

Housed in the Student Success Department, Room 1055

SGA serves as the official representative body for MCC students. It provides a forum for expression on matters of concern to the student body, and presents opportunities for the development of student leadership.

The Goals of SGA:

- To convey the student voice to the administration and Board of Trustees.
- To provide for discussion, investigation and resolution of student problems, concerns and ideas.
- To retain authority to appoint and remove student representatives to the College's Council System and designated committees.
- To promote the interests of the College's student community.
- To protect and uphold student's rights.
- To plan, encourage and promote participation in College events and community service activities.

TESTING CENTER

Room 1032 ▪ www.muskegoncc.edu/testing

Services

The Testing Center provides the following testing services for students, faculty and guests: placement and waiver tests, make-up tests, online tests, independent study examinations, proctoring services for distance learning programs and CLEP testing. The Testing Center is located in Room 1032 or you may call (231) 777-0394 or email testingcenter@muskegoncc.edu.

Fees

With the exception of CLEP testing and, in some cases, external exam proctoring, testing services are free of charge to MCC students.

Fee schedule for tests with associated fees:

- Exams for other institutions: $25 charged for test takers without an MCC student ID number or MCC students who have earned less than 50 credit hours from MCC
- Placement tests for other institutions: $25
- CLEP tests: $25 proctor fee plus Collegeboard test fee. See clep.collegeboard.org/register for current test fee information

Course Placement

MCC uses a guided self-placement process to help students determine where to begin with math and English courses at the College. To view current placement guidelines and resources, visit www.muskegoncc.edu/course-placement.

Nursing, Respiratory Therapy, Engineering, Dual Enrollment and Early College Program participation may require students to take MCC Placement tests.

Many courses have skill level prerequisites; meet with a counselor to be sure you are enrolling in the appropriate class.

TUTORING SERVICES

Room 3081 ▪ www.muskegoncc.edu/departments/academic-support/

231-777-0393 or email tutoring@muskegoncc.edu

In addition to utilizing your instructor's office hours, we strongly encourage you to take advantage of Tutoring Services. If you find yourself struggling in a course, this is an excellent resource for getting extra support.

Peer Tutoring

If assistance is needed in a specific course, a student can schedule an appointment through TracCloud. This is found by navigating to the MyMCC page, clicking on the Schedule an Appointment link under Student Support, then selecting the Tutoring icon. (https://muskegoncc.sharepoint.com/sites/MyMCCDocuments/SitePages/Student/Schedule-Appointment.aspx?env=WebView) Student tutors, recommended by instructors, are available to any current student. Students may schedule up to two appointments per subject per week, with exceptions considered on a case-by-case basis. Drop-in visits are unlimited.

Professional Tutoring

Professional tutors may be hired for specific content areas when peer tutors are not available.

Supplemental Instruction (SI)

Supplemental Instruction is a small group academic assistance program which has shown to help increase student performance. It is offered only in specific introductory classes. Check with Tutoring Services and your instructor for more information.

Online Tutoring

Do you need help from home or work? Online Tutoring is available! When scheduling an appointment, please select "online" as your meeting type. At the time of your appointment, a Zoom link will become available on your TracCloud dashboard.

Drop-in Tutoring

Drop-in Tutoring is when a tutor will be available to assist with problems without an appointment. The schedule is available on TracCloud and updated daily.

General Support

For courses that do not have content specific tutors, Tutoring Services encourages students to meet with a general support tutor. General support tutors can help with time management, study tips, navigating Blackboard, and test taking strategies.

Becoming a Tutor

We are always looking to grow our team! If you are interested in becoming a peer tutor, we invite you to visit the Academic Support Department or email tutoring@muskegoncc.edu to get more information.

Veterans Office

Room 1055

The MCC Veterans Office is here to serve all military-connected students in our community. Whether a current servicemember, a veteran, a reservist, or a child or spouse of military personnel, the office is here for you. The office provides current benefit information, connections to community and national programs, and assistance in completing VA forms for educational benefits. The MCC Veterans Office also provides support for the Student Veteran Organization. The MCC Veterans Office can be reached at (231) 777- 0342 or MCCVeteransOffice@muskegoncc.edu.

Our mission

- Help clear up any uncertainties about VA's current benefit chapters.
- Aid in applying for your educational benefits through VA.
- Help with certification requests to activate your aid for the desired semester attending.
- Aid with the Military Tuition Assistance programs for active duty and reserve personnel.

Veterans Programs

U.S. military veterans, veteran dependents/ survivors, and Reserve/National Guard personnel may be eligible to receive aid under one or more of the programs listed below:

- Applications for most federal programs are found at www.va.gov.

- Applications for the state program may be obtained by contacting the Michigan Children of Veterans Tuition Grant. Information is also available from the College's Veterans Office.

- MI Veterans Tuition Grants are only available online: https://www.michigan.gov/mistudentaid/programs/children-of-veterans-tuition-grant

- The Veterans Office will also assist students in completing forms for other veteran benefits.

Federal G.I. Bill® Chapters and Eligibility Requirements

CHAPTER 30 — This federal program provides educational benefits for veterans who entered military service after July 1, 1985. Veterans who entered military service before January 1, 1977 and served actively for at least two years after July 1, 1985 may also be eligible (Montgomery G.I. Bill).

CHAPTER 31 — This federal program provides education benefits to eligible disabled veterans (Veterans Readiness and Employment - VR&E) with at least 10% service connected disability to be considered for Veterans Readiness and Employment. To get more information regarding this program please go to www.va.gov/careersemployment/vocational-rehabilitation.

CHAPTER 33 — The Post-9/11 GI Bill® is for individuals with at least 90 days of aggregate service on or after September 11, 2001, or individuals discharged with a service-connected disability after 30 days. You must have received an honorable discharge to be eligible for the Post-9/11 GI Bill®.

CHAPTER 35 (DEA) — This federal program provides educational benefits to children (between the ages of 18 and 26), spouses, and widows/ widowers of totally disabled or certain deceased veterans.

CHAPTER 1606 — This federal program provides educational benefits to persons who entered a six year Reserve or National Guard obligation after July 1, 1985 (Selected Reserve/National Guard G.I. Bill®).
For more information visit www.va.gov/education

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at www.benefits.va.gov/gibill

Michigan Child of Veterans Tuition Grant

This state program provides benefits for children (between the ages of 16 - 26 years) of certain totally disabled or deceased Michigan veterans. Eligible students must enroll at least half-time, and may receive up to $2,800 per year for tuition and class fees. (Formerly, Children of Veterans Tuition Grant). The grant is administered by the Michigan Department of Treasury. More information available at www.michigan.gov/mistudentaid/programs/children-of-veterans-tuition-grant, or call 888-447-2687. Assistance is also available by making an appointment in the Veterans Office.

MINGSTAP

Public Act 259 of 2014 established the Michigan National Guard State Tuition Assistance Program (MINGSTAP) to provide tuition assistance to members of the Michigan National Guard who are attending any public or private college, university, vocational school, technical school or trade school located in Michigan. Currently, qualified soldiers can apply for up to $6,000 in tuition assistance per year. For more information about the program, please visit www.michigan.gov/dmva/about/mingstap or call (517) 481-7640.

Responsibilities for Students with VA & Military Education Benefits (GI Bill®)

United States Department of Veterans Affairs (VA), the United States Department of Defense (DoD), the State of Michigan and the Michigan National Guard offer educational benefits to qualified veteran and military students and/or their dependents provided the beneficiary meets guidelines put forth by the program. To use these educational benefits, students must fulfill the responsibilities below.

1. I agree to request official transcripts from all previously attended institutions, including the Joint Services Transcript (JST) or Community College of the Air Force, be sent to the MCC Records Office for evaluation.
2. I agree to choose a valid program at MCC, and understand my benefits will only pay for classes that are within that program. If appropriate, I will officially change my program of study at the Counseling and Advising Center and notify the Veterans Office. I understand that only courses outlined in my program of study will be certified for payment, if the courses are within VA guidelines.
3. I agree to complete a Certification Request for VA Educational Benefits online in MyMCC for every semester I wish to draw VA Educational Benefits. I understand that submitting this request less than eight weeks prior to the term beginning will likely delay my benefit payment.
4. I will meet the MCC Standards of Academic Progress (SAP) and maintain at minimum a cumulative 2.0 GPA (detailed SAP requirements are available on page 319). I understand that if my GPA falls below 2.0 and/or I do not meet SAP, I will be placed on probation and be allowed one semester to get back into good standing. If I fail to do so, the VA will be notified of unsatisfactory progress and I understand that my benefits will be suspended.
5. I will complete the classes I start. I understand that if I stop attending class, withdraw, or drop classes, a debt will be established in my name.
6. I understand that the VA does not permit a course to be repeated in which I have earned a grade of D or better except in special circumstances where a higher grade is specifically required for me to graduate with my degree.
7. I understand that taking courses that start late or end early in the standard semester will impact my pay.
8. It is my responsibility to self-verify attendance monthly through www.gibill.va.gov/wave/ (Ch 33, Ch 35, MINGSTAP & CVTG excluded).
9. I will maintain responsible communication to inform the Veterans Office of any updates or correspondence pertaining to my VA educational benefits to ensure accuracy and efficiency, and I will stay up to date with information posted on the MyMCC Veterans Portal page.

For additional information regarding VA, certification, paperwork, or general information please visit the MCC Veterans website at www.muskegoncc.edu/veterans and in MyMCC.

Veteran Residence

See Residency Policy on page 12.

VA Student Payment Dates

Students who are receiving VA Education Benefits are expected to pay tuition and fees by the payment deadline date established by the College each semester, with exception to the following:

- Students receiving Post 9/11 Benefits and have a Certificate of Eligibility (COE) or Statement of Benefits on file in the MCC Veterans Office will receive a deferment on tuition and fee payment until payment arrives from the VA. Students shall complete a Certification Request in their MyMCC account each semester to indicate plans to use Post 9/11 Benefits.
- Students participating in the Vocational Rehabilitation Program, Chapter 31, and have a current VAF 28-1905 form on file from their Voc Rehab Counselor will receive a deferment on tuition and fee payment until payment arrives. Student shall complete a Certification Request in their MyMCC account each semester to indicate plans to use funding from Vocational Rehabilitation to cover tuition and fees payments.
- Students using Post 9/11 (Chapter 33) or Vocational Rehabilitation & Employment (Chapter 31) shall be entitled to all privileges as a Muskegon Community College student, and shall not be penalized for payments arriving after payment due date so long as Certification Request is submitted by payment due date each semester.

THE WRITING CENTER

Room 3081 • www.muskegoncc.edu/departments/academic-support/
231-777-0406 or email writingcenter@muskegoncc.edu

In addition to utilizing your instructor's office hours, we strongly encourage you to seize support at the MCC Writing Center. The Writing Center provides an excellent opportunity to receive help with an assignment no matter where you are in the writing process, no matter the discipline. Appointments take place on campus in the Academic Support Department, or online in 20-minute Zoom meetings. On-campus and online drop-ins are also welcome. Data shows utilizing the Writing Center improves students' work by a full letter grade. If you find yourself struggling with writing in any form, for any discipline, visit the Writing Center.

Writing Center Professional Support

The Writing Center is comprised of writing professionals steeped in writing techniques and specialties. From assisting with the pre-writing process, to developing effective thesis statements, assisting with unity, organization, grammar and punctuation, resumes, and the revision process, the Writing Center offers all the professional insight and quality feedback you need in a welcoming environment to achieve success in your writing.

If assistance is needed, a student can schedule an appointment through TracCloud. This is found by navigating to the MyMCC page, clicking on the Schedule an Appointment link under Student Support, then selecting the Writing Center icon. Professional Writing Consultants are available to any current student and community member. Students may schedule appointments up to 24 hours in advance. Drop-in visits are also welcome.

On Campus Professional Support

Stuck in your writing? Writing professionals are available to help on campus at any stage in the writing process, across any discipline, Monday through Friday. Check the Writing Center hours at the link above to schedule an appointment.

Drop-in Professional Support

Drop-in writing professional hours are a set schedule of times when a Writing Center professional will be available to assist with one's writing without an appointment. Check the schedule by following the link above.

Online Professional Support

If one needs remote help with writing, the Writing Center's writing professionals can assist students via 20-minute Zoom appointments. Follow the link above to submit your writing ahead of time and book an online appointment.

Audit Policy

These policies include the following:

1. Students may audit courses so long as they (a) register specifically for audit status; (b) pay regular tuition and fees as listed in the official publications of the College; and (c) comply with all assignments, projects, tests, and learning experiences required of credit status (regular status) students unless they explicitly make another arrangement that is mutually agreeable to both instructor and student.
2. Audit status students should realize that unless they complete all regular course requirements it will probably not be possible to convert from audit status to credit status at a later date. Audit status students who have completed all regular course requirements to date and wish to change from audit status to credit status must complete a Request to Change from Audit to Credit Form and submit it to Room 1048J. Such petitions must include a note from the instructor stating the student has completed all regular course requirements to date. **This request must be processed prior to the final examination**.
3. Students who register for a credit class cannot change to audit status.
4. For students who complete all requirements, instructors will record the progress of audit students in the same manner as credit students. A grade of "AU" will be recorded on the audit status student's transcript at the end of the semester, and will not be used to compute grade point averages. **Please also note that audit credit cannot be used to complete a degree or transferred to another institution.**

Credit Hour

As a rule of thumb, each credit hour equals one hour of class or two hours of laboratory work per week. Exceptions are noted in course descriptions.

Employment and Class load

Many students find it necessary or even desirable to be employed while attending college. Although enrollment on a full-time basis is very demanding, you may find that you can maintain satisfactory grades even while working part-time. The following table provides general guidelines for those students who plan to work:

Class load/Workload

Credit Hrs. per Semester	Extracurricular Hrs. per Week
13 or more .... 15 or less	
10 - 12 .... 24 or less	
7 – 9.. 32 or less	
3 – 6.. 40 or less	

If you stop attending a course and do not formally withdraw, the instructor has the option of initiating a grade of "W" or a grade of "E".

Attendance

You are expected to attend all sessions of the classes in which you enrolled. You may be withdrawn from the class at the discretion of the instructor if you have excessive absences. Instructors who do not take attendance into account when determining your status in the course must maintain other consistent means of showing participation.

Academic/Classroom Conduct

Muskegon Community College is a community of scholars whose members include administrators, faculty, staff, and students. Mutual respect and civility are expected in the classroom or other college related academic settings, as well as, in any communication.

- MCC has the duty of providing students with privileges, opportunities, and protections that best promote learning;
- Students have the right to a non-threatening learning environment;
- Students have the responsibility to refrain from infringing on the right of others to learn or the right of teachers to teach; and
- Any student whose behavior disrupts learning may be subject to disciplinary action.

Academic Integrity Policy

Muskegon Community College expects that all faculty and students will adhere to high standards of personal and academic honesty. This means that all academic work will be done by the student to whom it is assigned without unauthorized aid of any kind. Faculty members, for their part, will exercise care in the planning and supervision of academic work so that honest effort will be positively encouraged.

Definitions

Academic dishonesty consists of, but is not limited to:

1. **Cheating**. Cheating is defined as using or attempting to use, giving or attempting to give, and obtaining or attempting to obtain, materials or information, including computer material pertaining to a quiz, examination, or other work that a student is expected to do alone.
2. **Plagiarism**. Plagiarism is defined as the use of another's words or ideas without acknowledgement.

Penalties for violation of these standards of conduct may result in sanctions of up to and including suspension or expulsion from MCC.

Dispute Resolution Process

Should a student not agree with a faculty member's decision or actions as they may relate to this policy, the following steps shall be followed:

1. A student suspected of academic dishonesty shall be notified in writing within two school days of the time the violation is discovered. Copies of the written notification shall also be filed with the department chair and the Provost and Chief Student Services Officer.
2. The student should try to reach resolution of the matter through direct discussion with the involved faculty member within three school days of the written notification.
3. If the matter is not resolved in Step B, the student shall bring the matter to the attention of the department chairperson of the involved faculty member
4. If the matter is not resolved at the department chairperson level, the student shall bring the matter to the attention of the Vice President for Academic Affairs who shall render a decision within five school days of the receipt of the dispute information.
5. If a satisfactory solution is not reached at the Step D level, the student may file a written request with the Provost and Chief Student Services Officer for a hearing before the disciplinary board. This meeting shall be held not more than 20 days following the written request. A student may request a hearing before the disciplinary board.

Academic Probation

Academic Probation:

Students are placed on Academic Probation when they have completed at least 12 credit hours at MCC and have failed to meet the minimum cumulative grade point average (G.P.A.) of 2.0. A notification of the students probation status will be sent to the students MCC email. An academic probation hold will be placed on their record which will prevent them from registering for future courses or dropping current courses. **To have the hold lifted, students are required to meet with a Counselor to discuss how to improve the G.P.A. by using College resources.**

Academic Dismissal:

Students placed on academic probation for two consecutive semesters **MAY** be dismissed from MCC for one semester. Any student who is dismissed from MCC may appeal to the Petitions Committee for reinstatement.

Confidentiality of Records

Notification to Students of Rights Under FERPA

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their educational records. They are:

The **right** to inspect and review the student's education records within 45 days of the day the College receives a request for access. Students should submit to the Registrar a written request that identifies the record(s) they wish to inspect. The College will make arrangements for access and notify the student of the time and place where the records may be inspected.

The **right** to request the amendment of the student's education record that the student believes is inaccurate or misleading. Students may ask the College to amend a record that they believe is inaccurate or misleading. Student should submit to the Dean of Student Services a written request, clearly identifying the part of the record(s) they want changed, and specify why it is inaccurate or misleading. If the College decides not to amend the record as requested by the student, the College will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing. The **right** to consent to disclosures of personally identifiable information contained in the student's education records except to the extent that FERPA authorizes disclosure without consent. One exception, which permits disclosure without consent, is disclosure to school officials with legitimate educational interests. A school official is a person employed by the College in an administrative, supervisory, academic, research, or support staff position; a person or company with whom the College has contracted (such as an attorney, auditor, or collection agency); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

The **right** to file a complaint with the U.S. Department of Education concerning alleged failures by Muskegon Community College to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue SW
Washington, DC 20202-4605

Drop/Withdrawal Policy

Withdrawal from College

Withdrawal from college is defined as the student's formal withdrawal from all courses currently in progress.

Military Withdrawal

Any currently enrolled student who is called for military duty shall be dropped from all uncompleted courses with a grade of "WM" - Withdrawal Military and will be granted a refund of all tuition and fees paid upon receipt of a copy of military orders, completed Tuition Refund Appeal to the Student Welcome Center and deliberations of the Petitions Committee.

Illness Withdrawal

The Petitions Committee may allow a "WI" if a qualified professional (doctor, psychologist, etc.) provides written evidence of physical or mental illness. The initiative for such action rests with you, the student, and should be initiated in the semester in which it occurs, except under extenuating circumstances. All Withdrawal Illness requests must be received no later than one semester from the last date of the semester being appealed. A completed Tuition Refund Appeal form with proper documentation must be turned into the Student Welcome Center for review by the Petitions Committee.

Dropping A Course During The Refund Period

You may drop courses **during the listed 100% refund period** using The MyMCC or by submitting a Add/Drop form at the Student Welcome Center and no grades will be recorded on your transcript.

Withdrawing From A Course After The Refund Period Is Over

You may process withdrawals on The MyMCC or by submitting a Add/Drop form to the Student Welcome Center. You are strongly encouraged to consult with your instructor and a counselor prior to processing a withdrawal. If you have financial aid or scholarships, it is especially important for you to contact the Financial Aid Office prior to withdrawing.

You may withdraw from a course after the drop/ refund period until the Friday before final exams begin. For early-ending courses, you may withdraw from a course after the refund period until one day prior to the end date of the course (prior to the final examination). Withdrawal from a course will generate a grade of "W" on your academic record and tuition/ fees are not refunded.

Email Policy

General Statements

Electronic mail is provided to students, employees, and retirees for the official business and educational purposes of MCC. However, MCC recognizes that use of email will occasionally be personal. Accordingly, MCC authorizes the incidental, noncommercial, and personal use of email services, provided that such use does not interfere with the business or mission of MCC.

MCC is a public institution: legally, email is treated the same as any other form of written communication. Messages are subjected to the same legal restrictions and potential liabilities as those of paper documents. Email messages may be subpoenaed, and are subject to the Freedom of Information Act (FOIA). MCC reserves the right, during an investigation for inappropriate use or compromised accounts, to review the messages sent or received through individual email accounts. This action can be conducted without notice. This is intended to protect the integrity of MCC's information systems and its users against unauthorized or improper use. Users of Muskegon Community College computers, email, accounts, mobile devices, network resources, internet access, and other information systems should have no expectation of privacy, as these systems are subject to monitoring and review.

Specific Guidelines

1. All users of the MCC email system are expected to conduct themselves in a legal, professional, and ethical manner. Messages that may be viewed as harassing or intimidating are prohibited.
2. MCC email shall be used in accordance with all applicable federal, state, and local laws, as well as, all other applicable MCC policies and procedures, including those pertaining to copyrighted material.
3. Altering, dismantling, disfiguring, or other actions intended to hide or disguise the identity of the originator of an email message is prohibited. Any attempt to read, delete, copy, or modify the messages of others is prohibited.
4. MCC email may not be used for commercial purposes, other than those that may be sanctioned by MCC.
5. Users should make every effort to protect themselves and others by keeping their antivirus software up-to-date, and avoiding suspicious emails and attachments. It is also a good idea to only open outside messages that are from a familiar source.
6. Employees should notify their manager and contact the faculty/staff helpdesk if they think email accounts are being abused. Students who suspect email abuse are encouraged to contact the student help desk at (866)718- 5170. Violations of this policy may lead to, or include, withdrawal of email privileges.

Enforcement Procedure

Students

Failure to follow acceptable standards will result in the removal of authorization and privileges to use MCC's computer networks along with associated hardware and software as outlined in the MCC Code of Conduct.

Community Members

Failure to follow acceptable standards will result in the removal of authorization and privileges to use MCC's computer networks.

Reinstatement of lost authorization to use MCC's Technology

When privileges are withdrawn for violation of this policy and the individual feels that he/she has been unfairly treated in the implementation of this policy, the individual may file an appeal with the Provost and Chief Student Services Officer. This will convene a meeting of the relevant parties. His/ her decision will be binding.

False Alarm(s)

A false alarm entails activating the fire alarm system in any MCC building or on the property and/or reporting a fire, bomb threat or tampering with any lockdown device (i.e. The Boot) when no emergency exists. Any student making a bomb threat or reporting a false fire or lockdown alarm will be reported to law enforcement officials. Tampering with fire alarms, The Boot and related devices are a criminal offense, which may lead to criminal charges.

Final Grade/Attendance Appeals

Form available at the Student Welcome Center or on MyMCC

If a student chooses to appeal a grade, he/she must complete a Final Grade Appeal form and follow the steps outlined on the form to attempt to resolve the complaint (also listed below). The appeal MUST include a typed letter of explanation of what is being appealed, why it is being appealed and the requested outcome. Any documentation that is pertinent to the appeal should be included.

Steps of the Final Grade Appeal Process:

1. CONSULT WITH INSTRUCTOR to see if an understanding can be reached. If the instructor denies the request, ask the instructor to provide a written response by completing step one on the back of the Final Grade Appeal form. The instructor's response should include a copy of the course syllabus along with an explanation of how the grade was determined.
2. CONSULT WITH DEPARTMENT CHAIRPERSON if step one is denied by the instructor. Continue the appeal by consulting with the Department Chairperson in which the course was offered. The Department Chairperson should provide a written opinion of the appeal along with any additional pertinent information.
3. CONSULT WITH THE PROVOST AND CHIEF STUDENT SERVICES OFFICER or designee if step two is denied by the Department Chairperson to continue the appeal. The Provost and Chief Student Services Officer or designee will provide a written opinion of the appeal along with any additional pertinent information.
4. FINAL GRADE APPEAL REVIEWED BY PETITIONS COMMITTEE If not satisfied with the outcome of the previous decisions, submit the written appeal with Steps 1-3 completed, the typed letter of explanation of what is being appealed and why, along with any pertinent documents attached to the Student Welcome Center.
5. Once a completed Final Grade Appeal is received at the Student Welcome Center, the Petitions Committee will review the appeal at the next scheduled meeting. If the student plans to attend the meeting, he/she must indicate on the appeal form the request to attend the meeting. The student will be notified of the meeting location, date and time by the Registrar upon receipt of the completed appeal. Only the student submitting the appeal will be allowed to attend the review meeting. The student will be notified of the outcome by email to the students MCC email. The determination of the Petitions Committee is final. No further appeal will be considered.

Financial Aid Contract

By accepting the financial assistance offered to me by Muskegon Community College, I agree to and accept responsibility for the following conditions:

1. I will use the financial aid awarded to me only for my educational expenses at Muskegon Community College, including tuition and fees, books and supplies, transportation, room and board, dependent child care, and other similar costs of attendance.
2. If my financial aid awards are based on full time enrollment, the amount credited to my account may be reduced to reflect actual enrollment status. Federal and state financial aid is based on credit hours, not on contact hours. Your actual award will be determined no earlier than 1) at the semester census date (end of the refund period*) for classes that have started or 2) at the start date of any late start class or 3) at the time of awarding if it is past the semester census date. In addition, classes added after the census date may not be considered for supplementary aid. Finally, if I never attend, cease to attend, drop, withdraw or receive all "E's", my financial aid may be reduced or cancelled, and that I may be liable to repay any amount of assistance already received.
3. If I register for classes in any academic semester, and then decide not to attend, I understand that it is MY RESPONSIBILITY to drop those classes.
4. If I receive any additional financial awards from other sources, I will notify the Financial Aid Office in writing immediately. I understand that the financial aid offered by Muskegon Community College may have to be adjusted if I receive any other awards.
5. I understand that I must make normal progress towards the completion of my degree program, as set forth in the "Satisfactory Progress Policy for Financial Aid Recipients". Failure to make satisfactory progress may result in my being ineligible for further aid. I understand that if a deferred payment is extended to me and I have pending grades from the current or prior semester, my financial aid may be canceled if I have not maintained SAP after grades are posted. I agree that I have read and understand the SAP policy in the Financial Aid Contract.
6. If I borrow through the Federal Direct Loan Program, I understand that I must notify the Financial Aid Office at MCC and my lender immediately if I cease to be enrolled in at least 6 credit hours. I also understand that I must repay the loan when it is due, and that failure to repay my loan may result in my being ineligible for any further assistance at Muskegon Community College or any other school.
7. I understand that if I do not graduate from one program before changing to another program, I may no longer be eligible for a subsidized loan and I may lose the subsidy on Direct Subsidized Loans I have already received.
8. I hereby authorize the College to release information concerning my academic progress and/or financial status to any agency or donor who contributes to my financial assistance, since this information may be essential for the continuation of such assistance.
9. I understand that any violation of the regulations governing the financial aid programs is sufficient grounds for termination of my financial aid and referral for disciplinary action. Violations include, but are not limited to, falsification of any document used to obtain financial aid, using financial aid funds for non-educational purposes, and transfer of financial aid funds to others (e.g. using your book voucher to purchase items for others).
10. I understand that I am not eligible for financial aid if I am still in high school. This includes if you are enrolled as a duel enrolled or early college student.
11. I am not eligible for financial aid if I indicated "guest" student status on my admissions application at MCC.
12. I understand that if I fail to meet any or all of the above conditions, my financial aid may be cancelled or revoked, and that I may be liable to repay any amount of assistance already received.

Ombudsman for students

The U.S. Department of Education provides an Office of the Ombudsman to help resolve loan disputes and problems. The following options are available for contacting the office: call toll free at (877) 557-2575, visit the Web site at studentaid.gov/feedback-ombudsman/disputes/prepare, or write to:

Muskegon Community College

Office of the Ombudsman
Student Financial Assistance
U.S. Department of Education
Room 3012, ROB #3, 7th and D Streets, SW
Washington DC 20202-5144

Satisfactory Academic Progress (SAP) Policy for Financial Aid Recipients

To qualify for financial aid, a student must make satisfactory academic progress toward the completion of an eligible certificate or associate degree program. This policy applies to all students who apply for help from any federal or state financial aid program. It also applies to any other program administered by the College which requires satisfactory academic progress as a criterion for eligibility.

Standards for Eligibility

Students are making "Satisfactory Academic Progress" if they meet the following conditions:

1. Maintain a cumulative grade point average (GPA) of not less than the following:

Credit Hours Completed	Minimum GPA Required
1 – 11	1.50 cumulative
12 and above	2.00 cumulative

2. Complete with a passing grade (that is, an A, B, C, D, or P, including a grade with a "+" or "-") two-thirds of the cumulative hours attempted. All withdrawal grades, incompletes, no-credit grades, transfer credits and repeat classes are considered as hours attempted.
3. Complete their declared program within the maximum limit. For federal aid programs, once you have attempted 150% of the number of credits normally required to complete a degree or certificate, you will not be eligible for any additional federal aid at MCC. Transfer credits classes do not count in the calculation of the GPA, but are included in the calculation of the maximum limit.

Degree Type	Credits Required	150% limit
Regular ASA/AAS	62	93
Nursing ASA	84	126
Respiratory Therapy	101	151

Additional Standards and Definitions

*   Transfer credits, incompletes and withdrawal grades do not count in the calculation of the GPA.
*   Repeating a class – a student may receive financial aid for a previously passed course only one additional time. You are allowed to repeat a failed or withdrawn course until it is passed, if otherwise maintaining SAP.
*   Up to 30 remedial credits may be eligible for financial aid if they are required by the student's academic degree program provided the total doesn't exceed the maximum number of credits allowed by the maximum time frame standard.
*   SAP calculations include all cumulative attempted credits (regardless who paid for them) registered for at the semester's or course's census date.
*   Financial aid eligibility status - students are evaluated for SAP at the end of each semester enrolled. Eligibility status is categorized as Satisfactory, Warning or Suspension.
*   The Pace of Progression is calculated by dividing the cumulative hours successfully completed by the cumulative hours attempted. Monitoring the pace of progression will ensure completion of the program within the maximum time frame.
*   Only courses that apply to a student's declared program are eligible for financial aid.
*   The financial aid SAP Policy is separate from the College's general probation/dismissal policy.

Explanation of Eligibility Status

1. **Satisfactory Status**: The student is in good standing and meets all conditions of the SAP policy standards.
2. **Warning Status**: The student has failed to meet one or more conditions of the SAP policy standards at the end of a semester. A student placed on warning will be allowed to receive aid for one additional semester.
3. **Suspension Status**: The student has failed to meet one or more conditions of the SAP policy standards after two consecutive semesters. A student placed on suspension is not eligible for additional aid until they 1) raise the cumulative GPA up to the minimum required, and/or 2) earn enough credits to meet the minimum cumulative completion rate required. The student would be responsible to pay for any additional classes needed to bring them back into good standing.
4. **Financial Aid Probation Status**: A student placed on probation has successfully appealed their suspension status by demonstrating that they have the ability to earn a cumulative 2.00 GPA and 67% completion rate by the end of their next semester. If after one semester on probation the student is not back to satisfactory status, they would not be eligible for future aid unless they were successfully following a Financial Aid Academic Plan.
5. **Financial Aid Academic Plan**: A student on suspension that cannot return to a satisfactory status within one additional semester must meet with an MCC counselor and develop a Financial Aid Academic Plan. The Plan must be strictly followed and the conditions setforth must be met. The student will remain on the Plan until returning to a satisfactory status. If the conditions are not met, all future aid will be canceled. The student would be responsible to pay for any additional classes needed to bring them back into good standing.

Loss of Eligibility, Appeal, and Reinstatement

If you are denied aid under this Policy, you have the right to appeal. If you feel there are mitigating circumstances in your case, you must complete the "Appeal Form for Satisfactory Academic Progress (SAP) and Loan Denial". The appeal form must be submitted to the Student Welcome Center before the beginning of the semester you wish to attend. You must address the problem(s) of why you have been unsuccessful in the past and what has changed that will allow you to be successful in the future. The Committee will normally consider such things as illness, a change in job schedule, or other extenuating circumstances (which were beyond your reasonable control) as grounds for a successful appeal. Be sure to include documentation (for example, a doctor's statement) and a Financial Aid Academic Plan, if appropriate. To complete a Financial Aid Academic Plan, contact the Counseling and Advising Center at (231)777-0362.

Students that successfully appeal are placed on either Financial Aid Probation OR placed on a Financial Aid Academic Plan that ensures they will meet SAP standards by a specific point in time.

If you want federal aid to earn a second degree, you must appeal in writing, stating your academic goal, and provide a Financial Aid Academic Plan including documentation (such as a "graduation audit") of the classes needed to accomplish your goal.

This policy states the **minimum** required for most financial aid programs. However, some scholarship and loan programs require a **higher** standard (usually a higher GPA). Therefore, you may qualify for most aid programs by meeting the above conditions, but be denied a specific scholarship or loan unless you raise your GPA or pass additional credit hours.

Financial Aid Refunds

Financial Aid recipients who withdraw from classes will have their tuition accounts adjusted according to the College's regular tuition refund policy (see "Refund Policy"). If you find it necessary to withdraw during a semester, you should notify the Student Welcome Center in person as soon as you can.

Federal aid recipients who withdraw from ALL classes before they complete 60% of the semester may have to repay a prorated portion of the federal aid they received.

Freedom of Expression

MCC is an institution that believes in the freedom of expression, freedom of speech, and the right to assemble peaceably. People or groups are supported when exercising these freedoms when on our grounds. The purpose of this policy is to facilitate expressive activities while ensuring that such activities do not interfere with College operations and the learning environment.

For anyone lawfully present on the College's campuses, the outdoor common areas are designated as venues for free expression, including spontaneous expression, speeches, demonstrations, and distribution of information. Anyone who wishes to engage in commercial solicitation must reserve time and space for such activities following the terms of this policy. For purposes of this policy, the term "expressive activity" includes such activities as:

- Group activities;
- Speeches, performances, demonstrations, parades, marches, rallies, vigils, and other events;
- Distributions of informational materials, such as circulars, newspapers, leaflets, and pamphlets;
- Any other expression, including spontaneous expression, is protected by the First Amendment to the U.S. Constitution.

All Freedom of Expression requests should be directed to Chief Compliance & Title IX Officer Kenneth James at kenneth.james@muskegoncc.edu or Dean of Student Services Dr. Patti Davignon at patti.davignon@muskegoncc.edu. Requests should be made at least two business days in advance.

MCC maintains its authority to regulate the time, place, and manner of expressive activities; it shall not consider or regulate the content or viewpoint of expressive activities when enforcing this policy, including by restricting students' expression based on concerns about other person(s)' negative reaction to that expression. MCC will work to ensure that expressive activities transpire without interference by the College, provided the learning environment is not substantially and materially disrupted and the expressive activities do not compromise campus safety. If persons react negatively to expressive activities occurring on campus, the College will take necessary steps to ensure campus safety while allowing the expressive activity to continue unless the College's operations are materially and substantially disrupted.

For purposes of this policy, the term "outdoor common" refers to such areas as:

• Lawns, sidewalks, benches, and other outdoor areas that are not otherwise reserved.

For purposes of this policy, the peaceful distribution of informational materials in the outdoor common areas does not, without more, represent a substantial or material disruption to the learning environment at the College.

Expressive activities, as defined by this policy, are allowed on campus during the periods when college facilities are open to the general public.

No expressive activity at MCC shall be permitted to:

- Violate or infringe upon the rights of others;
- Falsely defame an individual;
- Constitute a genuine threat or harassment;
- Invade privacy or confidentiality interests;
- Block access to campus buildings;
- Impede entry or exit to the College or any College property, pedestrian pathway, parking lot, building, facility, or event;
- Obstruct vehicle or pedestrian traffic;
- Include the use of audio amplification devices, unless specifically authorized by the College;
- Include the use of fire or pyrotechnics, unless specifically authorized by the College;
- Affix materials to College buildings, equipment, fences, trees, or property unless specifically authorized by the College.

MCC does not assume any obligation or responsibility for the content of expressive activities or materials distributed. People engaging in expressive activities assume responsibility for damages to College property, for the cleanup of materials immediately following the conclusion of expressive activities, and for remaining in compliance with applicable local, state, and federal laws.

Policies & Procedures

General Academic Policies

Class Standing

For the purposes of records and reporting, students are classified as freshmen if they have completed 25 credit hours or less, sophomores if they have completed 26 credit hours or more.

Graduation Credential Requirements

To receive an associate degree, diploma, or certificate at Muskegon Community College, a student must meet the following requirements:

A. All candidates must maintain a cumulative 2.0 grade point average. Health programs may have a different GPA requirement.

B. A minimum Muskegon Community College credit requirement (Residency Requirement).

1. Associate Degrees - A student must complete not less than 30 credit hours or the last 15 credit hours at Muskegon Community College in order to receive an associate degree.

2. Diplomas - A student must complete 26 credit hours at Muskegon Community College in order to receive a diploma.

3. Certificates - A student must complete 6 credit hours at Muskegon Community College in order to receive a certificate.

C. Students returning to Muskegon Community College after a three (3) year absence or longer will be under the requirements of the current catalog.

Any exceptions to these graduation requirements must be brought before the Petitions Committee with the full concurrence of the department(s) involved.

Associate in Science and Arts Degree Requirements

The Associate in Science and Arts (ASA) Degree is primarily a transfer-oriented degree. In order to receive the degree, each student must complete a minimum of 62 credit hours of course work and meet all of the program requirements as listed in the Muskegon Community College catalog.

Associate in Applied Science Degree Requirements

The Associate in Applied Science (AAS) Degree is awarded for successful completion of an occupationally oriented curriculum. It may also be used as a transfer degree to certain baccalaureate programs. Please note, developmental credits can not be used toward graduation.

Candidates for this degree must complete a minimum of 62 credit hours of course work and all course requirements for a specific associate in applied science program as outlined in the Muskegon Community College catalog.

Graduation requirements for the associate degree may include two credits in physical education. Refer to program pages for specific courses which will fulfill graduation requirements.

The maximum number of cooperative internship credit hours that may be applied toward an associate degree is 12 and many programs permit even fewer.

Program Evaluation (Degree Audit)

My Progress is a tool in Student Planning that shows the requirements for students' academic program as outlined in the catalog for the year they were admitted and their progress toward completing those requirements. The audit shows both the courses transferred in from other institutions and courses completed at Muskegon Community College. It includes their grades and GPA.

Under My Progress in Student Planning, students may select "view a new program" to compare their academic record/progress to any program they might indicate, without changing their academic program. This can be a very helpful tool for students considering a change of program, but does not know how their record might apply to the requirements of the new program.

Students are encouraged to review My Progress in Student Planning by logging into MyMCC. My Progress is the primary tool used during counseling/advising and in preparing for graduation.

Application for Graduation

To graduate from Muskegon Community College with a degree or a certificate, you begin the process by completing an Application for Graduation online in Student Planning. You must have completed at least 47 credit hours if you are applying for an associates degree. The application deadline dates are as follows:

Fall Semester Graduation....................................November 1

Winter Semester Graduation.................................... March 1

Summer Semester Graduation..................................... June 1

The graduation audit will be based on the requirements in effect at the time of the student's initial enrollment, unless updated catalog requirements are specifically requested. (Students may not apply for graduation under requirements that were printed for a year they were not in attendance at the College.) Students returning to Muskegon Community College after an absence of THREE YEARS OR LONGER will be under the requirements of the current catalog.

When your Application for Graduation is complete, a review of your academic record will be conducted by the Office of the Registrar to determine if graduation requirements have been met. You will be notified through MCC email.

Students are not eligible for graduation until all delinquent tuition, fees, and fines have been paid. The student is responsible for meeting all graduation requirements.

Multiple Degrees

You may earn and be awarded two or more degrees (and/or certificates), provided that all academic requirements for the degrees have been met. A graduation audit will be conducted for each degree requested. Multiple diplomas or certificates will be awarded when appropriate.

President's List - The names of those students who have completed 12 credit hours with a 4.0 grade point average in any semester are published by the College, subject to permission of the student. Those so recognized are designated as President's List Students.

Dean's List - The names of those students who have completed 12 credit hours with a 3.5 grade point average or higher in any semester are published by the College, subject to permission of the student. Those so recognized are designated as Dean's List Students.

Academic Honors List - The names of those students who have completed at least 6 credit hours and fewer than 12 credit hours with a 3.5 grade point average or higher in any semester are published by the College, subject to permission of the student. Those so recognized are designated as Academic Honors List Students.

Academic Forgiveness

(Re-evaluation of Grades for An Entire Semester)

The College permits students within specific and defined guidelines to petition for Academic Forgiveness for an entire semester by submitting a "Performance Agreement" form. You must see a counselor to discuss and initiate the agreement.

Students granted academic forgiveness will have their cumulative grade point averages recalculated. While the forgiven grades will continue to appear on the official transcript, they will be noted on the transcript as forgiven.

Repeated Courses

The Muskegon Community College Course Repeat Rule was developed to provide fair access to classes. It allows the student to repeat the course once. Instructor permission is required to take a course more than twice.

To repeat a course, a student must register for and pay all necessary fees. Each grade received will appear on a student's record, but only the last grade awarded is used in computing a GPA. Keep in mind that if you retake a class and receive a lower grade, the last grade is still the one that counts. When transferring to another college or university, you may be held accountable for all attempts and grades associated with a course taken at Muskegon Community College.

Substitution Waiver

A substitution waiver is the substitution of a required course in a degree or certificate with an alternate course. Substitution waivers do not reduce the total number of credit hours required in a degree or certificate or in general education requirements. Course substitution waivers are granted for a specific degree or certificate and a specific catalog year. The granted substitution waiver will not automatically apply toward other degrees and certificates you are pursuing.

You may request a substitution waiver by contacting an academic counselor.

Grading System

Final grades are posted on your academic record and can be found through the MyMCC under your Planning & Registration, Student Planning & Registration, click on the Academics tab, and then choose Grades.

Quantitative Grade Values

A...............4.0	B-..............2.7	D+.............1.3
A-.............3.7	C+.............2.3	D...............1.0
B+............3.3	C...............2.0	D-.............0.7
B..............3.0	C-.............1.7	E...............0.0

Non-quantitative Grades *(not computed)*

P.. Pass

NP... No Pass

W..Withdrawal

WI...Withdrawal—Illness

WM.....................Withdrawal—Military Activated

CS...Community Service

AU... Audit

I..Incomplete

Pass/No Pass - These grades are not optional but a standard grading system for particular courses.

"Incomplete" Policy - When you are unable to complete all of the required work for a course because of illness or other unpredictable circumstances, you may request an Incomplete (I) grade. When requested by the student, the instructor's judgment will determine whether the incomplete grade will be assigned. If the instructor does not deem the circumstances to be appropriate for an Incomplete (I), you may elect to withdraw from the course according to the withdrawal policy.

Although shorter time periods may be assigned on a case-by-case basis, "I" grades must be completed within one year of the official occurrence of the grade.

Once you complete the necessary requirements for the class, a Change of Grade Form must be submitted for you by the instructor to receive a grade greater than an "E." Any "I" (incomplete) grades that are not changed within one year of the official occurrence of the grade will default to an "E."

Grade Point Average (GPA) - Each letter grade has a point value as indicated above. The number of grade points earned for each course is found by multiplying the credit value of the course by the point value of the final grade. For example, a student with a final grade of "B" in Political Science (PSCI) 111 would earn 12 grade points, since a "B" has a point value of 3, and Political Science 111 is a 4-credit course.

The semester grade point average is calculated by adding the total points for all courses and dividing by the total number of credit hours taken during the semester.

Example:

Course	Credits	Grade	Grade Points
ENG 101	3	A	12
PSCI 111	4	C	8
PHSC 101A	4	B	12
ART 198	3	D	3
TOTAL	**14**	**35**	

35 Grade Points divided by 14 Credits equals 2.50 Grade Point Average (GPA)

(35 ÷ 14 = 2.50)

The cumulative grade point average is found by dividing the total of all points earned in all semesters by all credits taken to date.

Academic Load - Students are not permitted to enroll for more than 18 credit hours without the approval of a counselor.

Academic Probation

Academic Probation: Students are placed on Academic Probation when they have completed at least 12 credit hours at MCC and have failed to meet the minimum cumulative grade point average (G.P.A.) of 2.0. Students will be notified of probation status by email. An academic probation hold will be placed on their record which will prevent them from registering for future courses or dropping current courses. **To have the hold lifted, students are required to meet with a Counselor to discuss how to improve the G.P.A. by using College resources.**

Academic Dismissal: Students placed on academic probation for two consecutive semesters **MAY** be dismissed from MCC for one semester. Any student who is dismissed from MCC may appeal to the Petitions Committee for reinstatement.

Registration Information

Registration at Muskegon Community College takes place three times a year, starting in April for the fall semester, November for the winter semester, and March for the summer session. The fall and winter semesters are 15 weeks in length and the summer session is 12 weeks in length. The summer session generally begins in May and is offered with a variety of start and ending dates. Register as soon as you are eligible to help ensure your place in the classes you desire.

To ensure you are eligible to register, make sure you have:

- Been admitted or readmitted to Muskegon Community College
- Cleared all financial holds
- Completed all placement tests or submitted appropriate ACT, SAT or MME scores.
- Have completed all course prerequisites
- Completed new student orientation

A. Testing. Before registering for classes, send any previous placement exam scores to Muskegon Community College, such as ACT, SAT, Accuplacer, etc. These scores may be-used by a Counselor to help place you into the courses that are most appropriate for your current level of knowledge. Please consult a counselor for more information.

B. Counseling. Schedule an appointment to see a counselor early. The counselor can assist you in curricular planning and with other concerns you may have.

Priority Registration

Priority Registration is available exclusively to currently enrolled students. Using the MyMCC, current students have the first opportunity to select courses before registration is open to other individuals. Registration is based on a priority system that allows you to begin registration according to the number of total MCC credit hours completed. Priority begins with students who have earned the most MCC credit hours and ends with the students with the least MCC credit hours. A few weeks before priority registration begins, students will be emailed with their priority registration start times. You may register starting at your assigned time or after, but not before.

Online Registration

To register for classes online: Step-by-Step instructions for registering for classes online in Self-Service/Student Planning are available online at www.muskegoncc.edu/registration. For additional assistance with online registration, email registration@muskegoncc.edu or call (231) 777-0211.

Adding Courses: Prior to the beginning of the semester, you may add courses from the start of the registration period up to the day the class begins. A student must have written permission of the instructor to add a class once it has met. Regarding online classes, a student must have written permission of instructor to add a class on or after its published start date. Refer to Student Planning in the MyMCC for class information.

Dropping Courses

(Other than complete withdrawal from the College)

The preferred method of dropping courses is through Student Planning in the MyMCC. You may also drop courses by submitting an Add/Drop form in-person, to the Student Welcome Center prior to the withdraw deadline. If changing courses/ sections after the drop period, students may only transfer from one section of a course to another section of the same course. Students attempting to drop and add courses of different names outside of the 100% refund period will be billed for tuition accordingly.

You are strongly encouraged to consult with your instructor and a counselor prior to processing a withdrawal. If you have financial aid or scholarships, it is especially important for you to contact the Financial Aid Office prior to withdrawing. You may drop/withdraw through Student Planning in MyMCC or by submitting an Add/Drop form to the Student Welcome Center.

- No grade will be recorded on your transcript if the course is dropped **during the drop/ refund period**.
- You may withdraw from a course **after the drop/refund period** up to the week prior to examinations. For early-ending courses, you may withdraw from a course after the refund period until one day prior to the end date of the course (prior to the final examination). Withdrawal from a course will generate a grade of "W" on your academic record and tuition/fees are not refunded.

Prerequisites & Co-Requisites

Prerequisites and co-requisites are listed in course descriptions and are subject to change with each new catalog. It is the student's responsibility to meet the prerequisites and / or co-requisites in effect for the term in which a course is taken, regardless of the catalog under which the student entered or will graduate. Students may be stopped from enrolling or may be dropped if prerequisites or co-requisites are not met.

Prerequisite: A prerequisite is a requirement that must be successfully completed before a student may enroll in a course. Prerequisites are based on the essential skills or competencies to be successful in the next level course.

Co-requisite: A co-requisite is a course that is either recommended or required to be taken in combination with another course.

Wait Lists

Once a course has reached the maximum enrollment, students are given the option to be placed on a wait list. This option must be chosen at the time of registration. The wait listed course cannot conflict with other courses in the student's registration schedule and cannot be place on multiple sections of the same course. Being on a wait list does not mean the student is registered in the course. Once space becomes available in a class, wait listed students will be offered a position in the class based on the student's position on the wait list.

If you wish to attend a class, but do not desire credit or a grade, you may elect to audit a class. If you audit a class, you are required to pay the same tuition and fees as those taking courses for credit.

MCC permits students to register for college credit courses on a non-credit (audit) basis. Those who wish to do so should consult with a member of the counseling staff regarding College policies and procedures for audit status enrollment.

Audit Policy

These policies include the following:

1. Students may audit courses so long as they (a) register specifically for audit status; (b) pay regular tuition and fees as listed in the official publications of the College; and (c) comply with all assignments, projects, tests, and learning experiences required of credit-status (regular status) students unless they explicitly make another arrangement that is mutually agreeable to both instructor and student.

2. Audit status students should realize that unless they complete all regular course requirements it will probably not be possible to convert from audit status to credit status at a later date. Audit status students who have completed all regular course requirements to date and wish to change from audit status to credit status must complete a Request to Change from Audit to Credit Form and submit it to Room 1048J. Such petitions must include a note from the instructor stating the student has completed all regular course requirements to date. **This request must be processed prior to the final examination.**

3. Students who register for a credit class cannot change to audit status.

4. For students who complete all requirements, instructors will record the progress of audit students in the same manner as credit students. A grade of "AU" will be recorded on the audit status student's transcript at the end of the semester, and will not be used to compute grade point averages. **Please also note that audit credit cannot be used to complete a degree or transferred to another institution.**

Credit Hour

As a rule of thumb, each credit hour equals one hour of class or two hours of laboratory work per week. Exceptions are noted in course descriptions.

Employment and Classload

Many students find it necessary or even desirable to be employed while attending college. Although enrollment on a full-time basis is very demanding, you may find that you can maintain satisfactory grades even while working part-time. The following table provides general guidelines for those students who plan to work:

Classload/Workload

13 or more Cr. Hr. per Semester.. 15 or less Extracurricular Hrs. per Week

10 - 12 Cr. Hr. per Semester... 24 or less Extracurricular Hrs. per Week

7 – 9 Cr. Hr. per Semester.. 32 or less Extracurricular Hrs. per Week

3 – 6 Cr. Hr. per Semester.. 40 or less Extracurricular Hrs. per Week

If you stop attending a course and do not formally withdraw, the instructor has the option of initiating a grade of "W" or a grade of "E".

Attendance

You are expected to attend all sessions of the classes in which you enrolled. You may be withdrawn from the class at the discretion of the instructor if you have excessive absences. Instructors who do not take attendance into account when determining your status in the course must maintain other consistent means of showing participation.

General Student Complaints

The General Student Complaint Form is available on MyMCC under the Care Report tile.

Student complaints regarding College operations not otherwise covered in the catalog's Petitions section should report in writing the concerns to the Provost and Chief Student Services Officer or designee. Student complaints shall not be the basis for any discipline against a supervisor, staff member, or faculty member. There are separate academic and disciplinary appeal processes and procedures to resolve academic and disciplinary issues.

The following procedures shall apply for general student complaints:

1. The Provost and Chief Student Services Officer or designee will receive a student's verbal or written complaint, consider the merit of the complaint, and will take any action considered appropriate or necessary. At this level, the student has the right to remain anonymous.

2. If the student's verbal or written complaint is not resolved to the student's satisfaction and the student wishes to continue to pursue the complaint, the student must submit a request in writing to the Provost and Chief Student Services Officer or designee requesting further resolution. The written request must include the specific nature of the complaint, reasons for filing the complaint, and specific remedy requested. At this level, the student may no longer remain anonymous. The Provost and Chief Student Services Officer or designee will seek a resolution by contacting the appropriate College employee who is responsible for the College operation complained about and arrange a meeting between the parties involved to discuss a possible resolution. The written complaint will be forwarded to all appropriate parties involved in the conflict prior to the meeting.

3. Should resolution not be reached, the Provost and Chief Student Services Officer or designee will review the complaint and all supporting material and render a written decision regarding the complaint with rationale.

4. In the event that the Provost and Chief Student Services Officer or designee is unable to resolve the complaint, the complaint will be forwarded to the Student Services Council for review and action. The student has the option to attend the meeting to provide verbal explanation. If the student plans to attend the meeting, they must indicate on the appeal form the request to the meeting. The student will be notified of the meeting location, date and time by the Registrar upon receipt of the completed appeal. Only the student submitting the appeal will be allowed to attend the review meeting. The student will be notified of the outcome by mail. The determination of the Student Services Council is final. No further appeal will be considered. In considering all other types of petitions/appeals, the Council reviews requests and refers students to the appropriate campus office for action. These referrals may be accompanied by the recommendation of the Council. Students may present questions regarding any regulation or policy of MCC.

Institutional Governance for Internal Communication

MCC has five permanent advisory councils, representative of the major service functions of the college: Instructional Affairs Council, Student Services Council, Business Administration Council, Information Technology Council, and the Joint Sustainability Council. A sixth council, the Coordinating Council, serves as the clearinghouse for all actions put forth by the advisory councils. The Coordinating Council expedites and implements recommendations made by the five councils.

These councils, in cooperation with the administration, Faculty Association, Student Government Association and non-teaching associations, provide orderly channels for seeking opinions, expressing ideas and developing recommendations. It is expected that these councils will be primarily policy-planning and recommending in their functions. However, it is conceivable that the councils may, on occasion, serve as sounding boards for determining the merit of a new idea or to discuss the feasibility of calling for a review of established polices, practices and/or procedures. Individuals who have proposals for consideration should forward them to the appropriate council through the Council Chairperson.

Council by-laws, meeting agendas, and meeting minutes may be reviewed through Campus Governance on MyMCC.

Procedural Guidelines for All Councils

1. Each Council will act to adopt its agenda as the first order of business.
2. Councils will take action by consensus rule or vote, as determined by individual councils.
3. Council meetings will be scheduled according to each council's bylaw.
4. Representatives are expected to attend all meetings.
5. A quorum will consist of a simple majority of voting membership.
6. Term of membership will be one (1) academic year and is renewable. Vacancies will be filled through appointments by the respective group.
7. Chairperson is to be elected according to each council's bylaw.
8. Chairperson's Duties:
   1. Presiding Officer
   2. Appoint Chairperson and members of sub-committees
   3. Ex-officio member of all sub-committees
   4. Council representative to Coordinating Council
9. Members of Ad-hoc committees or subcommittees need not be members of any Council.
10. Each Council shall decide their own voting membership.

Refund Policy

(Subject to change—refer to MyMCC)

Muskegon Community College believes that students should be allowed to attend at least one class meeting without penalty. During that class meeting you can review the detailed requirements of the course syllabus and estimate the workload required. This should enable you to make an informed judgment about the course and increase your probability of success.

Refunds will first be applied to any outstanding debts owed to the College by the student; the balance will be sent in an electronic disbursement through the student's "My MCC OneCard" no later than 10 business days after the award date (typically Census date) or loan disbursement. For Find more information on the "My MCC OneCard" visit www.mymcconecard.com.

Schedule of Refund Days

Fall and Winter Semesters:

Class Length (in weeks)	Number of Business Days to Drop a Class for Tuition Refund
15 Weeks	10 days from the start date of the Semester
13-14 Weeks	7 days from the start date of the class
11-12 Weeks	6 days from the start date of the class
9-10 Weeks	5 days from the start date of the class
7-8 Weeks	4 days from the start date of the class
5-6 Weeks	3 days from the start date of the class
3-4 Weeks	2 days from the start date of the class
1-2 Weeks	1st day of the class

Summer Semester:

Class Length (in weeks)	Number of Business Days to Drop a Class for Tuition Refund
12 Weeks	10 days from the start date of the Semester
11 Weeks	6 days from the start date of the class
9-10 Weeks	5 days from the start date of the class
7-8 Weeks	4 days from the start date of the class
5-6 Weeks	3 days from the start date of the class
3-4 Weeks	2 days from the start date of the class
1-2 Weeks	1st day of the class

Residency Change Appeals

Form available at the Student Welcome Center or on MyMCC.

MCC Board Policy states a student must live within the confines of Muskegon County for at least six months prior to the start of the semester in order to receive In-County Tuition or within the confines of the State Michigan in order to receive Out-of-County Tuition. If a student has proper documentation, but requests the change after the start of the semester, a Tuition Refund Appeal for Residency Change must be completed with the following requirements:

1. A complete Student Personal Data Change Request form with proof of residency (see form for allowable documents) for at least six months prior to the start of the semester being appealed.
2. If the student received financial aid for the semester being appealed, the appeal must first be reviewed by a Financial Aid representative.

3. Once a completed Tuition Refund Appeal is received at the Student Welcome Center, the Petitions Committee will review the appeal at the next scheduled meeting. The student has the option to attend the meeting to provide verbal explanation. If the student plans to attend the meeting, he/she must indicate on the appeal form the request to attend the meeting. The student will be notified of the meeting location, date and time by the Registrar upon receipt of the completed appeal. Only the student submitting the appeal will be allowed to attend the review meeting. The student will be notified of the outcome by email to the students MCC email. The determination of the Petitions Committee is final. No further appeal will be considered.

Tuition Refund Appeals Due to Course Related Issues

Form available at the Student Welcome Center or on MyMCC.

If a student withdraws from a class after the refund period has ended due to a Course Related Issue, he/she can appeal for a refund. A Tuition Refund Appeal form must be completed. The appeal MUST include a typed letter of explanation of what is being appealed, the reason for the appeal, and any specific remedy being requested. Any documentation that is pertinent to the appeal should be included.

1. Discuss the issue with the instructor to see if an understanding can be reached. If an agreement cannot be reached, ask the instructor to provide a written response.
2. To continue the appeal, consult with the Department Chairperson in which the course was offered. Ask the Department Chairperson to provide a written opinion of the appeal along with any additional pertinent information.
3. If step two does not resolve the issue, consult with the Vice President or designee to continue the appeal. Ask the Vice President for Academic Affairs or designee to provide a written opinion of the appeal along with any additional pertinent information.
4. If not satisfied with the outcome of the previous discussions, submit the written appeal with Steps 1-4 completed, a typed letter of explanation of what is being appealed, the reason for appeal, and the requested remedy, along with any pertinent documents to the Student Welcome Center. Note: If the student received financial aid for the semester being appealed, the appeal must first be reviewed by a Financial Aid representative before being submitted to the Student Welcome Center.
5. Once a completed Tuition Refund Appeal is received at the Student Welcome Center, the Petitions Committee will review the appeal at the next scheduled meeting. The student has the option to attend the meeting to provide verbal explanation. If the student plans to attend the meeting, he/she must indicate on the appeal form the request to attend the meeting. The student will be notified of the meeting location, date and time by the Registrar upon receipt of the completed appeal. Only the student submitting the appeal will be allowed to attend the review meeting. The student will be notified of the outcome by email to their MCC email account. The determination of the Petitions Committee is final. No further appeal will be considered.

Tuition Refund Appeals Due to Verifiable Error of MCC

Form available at the Student Welcome Center or on the MyMCC.

Students may appeal for a tuition refund due to a Verifiable Error of MCC when information was given to the student by a MCC staff member that was incorrect. A Tuition Refund Appeal form with the steps outlined on the form in an attempt to resolve the complaint (also listed below) must be completed. Any documentation that is pertinent to the appeal should be included.

1. The appeal MUST include a typed letter of explanation of what is being appealed, the reason for the appeal, and any specific remedy being requested.
2. A detailed account of the problem and relevant documents on College letterhead from the College Office involved or advisor indicating that incorrect information was given by a College representative.
3. If the student received financial aid for the class(es) being appealed, the appeal must first be reviewed by a Financial Aid representative.
4. Once a completed Tuition Refund Appeal is received at the Student Welcome Center, the Petitions Committee will review the appeal at the next scheduled meeting. The student has the option to attend the meeting to provide verbal explanation. If the student plans to attend the meeting, he/she must indicate on the appeal form the request to attend the meeting. The student will be notified of the meeting location, date and time by the Registrar upon receipt of the completed appeal. Only the student submitting the appeal will be allowed to attend the review meeting. The student will be notified of the outcome by email to the students MCC email. The determination of the Petitions Committee is final. No further appeal will be considered.

Tuition Refund Appeal and Withdrawal Illness (WI)

Form available at the Student Welcome Center or on the MyMCC.

Students may request to have a grade changed to Withdrawal Illness (WI) due to an illness or injury of the student or a close family member in addition to requesting a refund/credit for amount due. In the case of a death of a close family member, students can also appeal for a Withdrawal Illness (WI) due to bereavement. The Tuition Refund Appeal must be completed with the following requirements:

1. The appeal MUST include a typed letter of explanation of what is being appealed, the reason for the appeal, and any specific remedy being requested.
2. FOR ILLNESS/INJURY – A signed statement on letterhead from the health care provider must describe in writing the medical condition (whether injury or illness), how it has incapacitated the student, and recommending withdrawal of all classes or specific classes and why. Excuse slips, copies of invoices, appointment confirmations, statements of insurance payments, etc. are not acceptable documentation.
   FOR BEREAVEMENT - Documentation that clearly indicates the name and date of the deceased and includes the name of the student and the relationship. The relationship must be clearly indicated within the documents. Example: Death certificate of deceased parent and birth certificate of student should show the relationship.
3. If the student received financial aid for the class(es) being appealed, the appeal must first be reviewed by a Financial Aid representative.
4. Once a completed Tuition Refund Appeal is received at the Student Welcome Center, the Petitions Committee will review the appeal at the next scheduled meeting. The student has the option to attend the meeting to provide verbal explanation. If the student plans to attend the meeting, he/she must indicate on the appeal form the request to attend the meeting. The student will be notified of the meeting location, date and time by the Registrar upon receipt of the completed appeal. Only the student submitting the appeal will be allowed to attend the review meeting. The student will be notified of the outcome by email to the students MCC email. The determination of the Petitions Committee is final. No further appeal will be considered.

Tuition Refund Appeal and Withdrawal Military (WM)

Form available at the Student Welcome Center or on the MyMCC.

Students may request to have a grade changed to Withdrawal Military (WM) due to induction into the US Military. The Tuition Refund Appeal must be completed with the following requirements:

1. The appeal MUST include a typed letter of explanation of what is being appealed, the reason for the appeal, and any specific remedy being requested.
2. An induction letter or orders from the US Military including the date of induction or call up.
3. If the student received financial aid for the class(es) being appealed, the appeal must first be reviewed by a Financial Aid representative.
4. Once a completed Tuition Refund Appeal is received at the Student Welcome Center, the Petitions Committee will review the appeal at the next scheduled meeting. The student has the option to attend the meeting to provide verbal explanation. If the student plans to attend the meeting, he/she must indicate on the appeal form the request to attend the meeting. The student will be notified of the meeting location, date and time by the Registrar upon receipt of the completed appeal. Only the student submitting the appeal will be allowed to attend the review meeting. The student will be notified of the outcome by e-mail to their MCC email account. The determination of the Petitions Committee is final. No further appeal will be considered.

Student Code of Conduct

Article I: Statement of Purpose

The Board of Trustees, administration, faculty, and staff of Muskegon Community College have a primary concern for the academic achievement standards and personal integrity of our students. We recognize our obligation to protect MCC property and we take a special interest in the mental and physical health and safety of our community. We are committed to preserving the peace, uplifting campus morale, and creating a civil climate on our campus. Students enrolling in MCC as well as visitors on campus assume an obligation to behave in a manner compatible with the MCC's function as an educational institution. MCC has adopted the following policies and procedures as an expression of its expectations of student conduct.

Article II:

Section A:
Jurisdiction of MCC
College jurisdiction extends to individuals and conduct on college premises as well as student conduct which occurs off college premises or online and which adversely affects members of the MCC community and/or the pursuit of the MCC mission

Section B:
Conduct-Rules and Regulations
Any student or organization found to have committed or to have attempted to commit any of the following acts of misconduct is subject to the disciplinary sanctions outlined in Article IV.

Section 2.01
Acts of being dishonest or facilitating academic dishonest, including, but not limited to:

(a) Cheating, including cyber cheating
(b) Fabricating
(c) Plagiarizing, including internet plagiarizing
(d) Committing acts of forgery
(e) Bribing, purchasing or receiving another's work and using or submitting it as one's own
(f) Submitting the same assignment to more than one instructor without the permission of the instructors

Section 2.02
Violation of any provisions of the professional and/or ethical codes of programs in the fields of respiratory therapy, nursing, or any other applicable programs.
Section 2.03
Interference with the college-approved operation of any college-recognized student organization.
Section 2.04
Disorderly conduct affecting (but not limited to): administration, disciplinary proceedings, disruption or obstruction of teaching, research, and other college and campus activities.
Section 2.05
Conduct which alarms, threatens, or in some manner unreasonably disrupts the learning process of another student and/or the ability of faculty to teach.
Section 2.06
Physical abuse, verbal abuse, threats, intimidation, stalking, coercion and/or other conduct which threatens or endangers the health, well-being, or safety of any person.
Section 2.07
Sexual misconduct. (See the Sexual Misconduct Policy)
Section 2.08
Harassment which serves to degrade the status of another person. Most often, harassment focuses on a personal attribute, singling it out for ridicule, attack, or disparagement. Such attributes include, but are not limited to age, economic class, gender, gender identity, transgender status, physical or mental disability, race or ethnic origin, religion, and sexual orientation, gender identity and transgender status. Harassment may include physical contact, written, electronic or verbal comments or suggestions, obscene or offensive pictures or jokes, hostile or threatening gestures or other forms of degradation. This includes acts of harassment carried out by one or more students on behalf of and/or at the request of another student.
Section 2.09

Theft or unauthorized use or possession of and/ or damage to property of MCC, property of a member of the MCC community, or other personal or public property.

Section 2.10

Hazing, which is an act which endangers the mental or physical health or safety of a student, or involves the forced consumption of liquor or drugs, or which destroys or removes public or private property for the purpose of initiation, admission into, affiliation with, or as a condition for continued membership in a group or organization. Consent of the participants is not a defense against a complaint of hazing.

Section 2.11

Failure to comply with directions of an MCC employee, or emergency or service personnel acting in performance of their official duties.

Section 2.12

Failure to identify oneself to an MCC employee, or emergency or service personnel acting in performance of their official duties when requested to do so.

Section 2.13

Unauthorized possession, duplication or use of keys, combinations, or access cards or codes to any MCC premise, or unauthorized entry to or use of MCC property.

Section 2.14

Violation of published MCC policies, rules, or regulations found in, but not limited to, the college course catalog.

Section 2.15

Use, possession, or distribution of illegal drugs, narcotics or other controlled substances, and drug-related paraphernalia, except as permitted by federal, state, and/or local law. (See the Drug-free Campus Policy.)

Section 2.16

Public intoxication or the use, possession or distribution of alcoholic beverages except as expressly permitted by federal, state, and/or local law and MCC regulations (See the Drug Free Campus Policy.)

Section 2.17

Possession of firearms, explosives, or other weapons, or unauthorized use of dangerous chemicals or substances on MCC premises. (See the Weapons Policy.)

Section 2.18

Participation in a campus demonstration which disrupts the normal operations of MCC and infringes on the rights of other members of the MCC community; leading or inciting others to disrupt scheduled, and/or normal activities within any campus building or area.

Section 2.19

Intentional obstruction of the free flow of pedestrian or vehicular traffic on MCC premises or at MCC sponsored or supervised functions.

Section 2.20

Conduct which is disorderly, lewd, or indecent; a breach of peace; or aiding, abetting, or procuring another person to breach the peace on MCC premises or at functions sponsored by, or participated in, by MCC.

Section 2.21

Theft or other abuse of computer resources, including, but not limited to:

(a) Commercially using computing resources

(b) Intercepting data

(c) Committing acts of forgery

(d) Willfully engaging in practices that place undue burdens on MCC resources (spamming, for example) Engaging in or disseminating defamatory,discriminating, privately,embarrassing, fraudulent, harassing, illegal, intimidating, obscene, threatening, or unwelcome electronic communications

(e) Unauthorized copying, modifying, or destroying the MCC network or Internet-based files

(f) Accessing or attempting to access or use the MCC network or Internet resources for which the user is not authorized or granted explicit permission

Section 2.22

Abuse of the disciplinary, including but not limited to:

(a) Failing to comply with the directive to appear attend or attend a meeting with an administrator after having received appropriate notification of such directive, falsifying, distorting, or misrepresenting information.

(b) Disrupting or interfering with the orderly conduct of a disciplinary proceeding

(c) Influencing or attempting to influence another person to commit an abuse of the disciplinary system

(d) Attempting to discourage an individual's proper participation in, or use of the disciplinary system

(e) Attempting to influence the impartiality of a disciplinary administrator during the course of a disciplinary proceeding

(f) Harassing (verbal or physical), threatening, intimidating, and/or retaliating against any person involved in a disciplinary proceeding

(g) Failing to comply with a sanction imposed under the Student Rights and Responsibilities (h) Failing to comply with an agreed upon informal resolution

Section 2.23

Engaging in gambling activities defined as illegal by federal, state or local law and/or MCC regulations.

Section 2.24

Engaging in behavior prohibited by federal, state, and/or local laws.

Article III:

Disciplinary Procedures

Student misconduct may be handled in one of two possible ways: counseling or disciplinary action. Counseling will occur when a student appears to have behavioral problems that stem from emotional or psychological difficulties. Disciplinary action may be taken immediately in an emergency situation by the Dean of Student Services or designee if the welfare of the individual or other is endangered. Action taken should be documented to the Provost and Chief Student Services Officer of MCC.

Section A:

Complaints and Resolution

Section 3.01

Any member of the MCC community may file a complaint against a student for allegedly violating the Code of Conduct. The person who files the complaint shall be the

reporting party. The student alleged to have violated the code of conduct shall be the responding party.

Section 3.02

All complaints shall be prepared in writing and directed to the Dean of Student Services or designee. A complaint shall contain:

(a) The identity of the reporting party and the responding party;

(b) The specific element(s) of the code of conduct alleged to have been violated;

(c) The date, time, and place of the alleged violation(s);

(d) Supporting documentation if any exists; and

(e) The names of any witnesses.

Section 3.03

All reports or complaints should be made as promptly as feasible after the concurrence. A delay in reporting may be reasonable under some circumstances, as determined on a case-bycase basis. An unreasonable delay in reporting, however, may be taken into consideration in evaluating the complaint or report.

Section 3.04

The Dean of Student Services or designee shall determine if the alleged conduct may constitute a violation of the code of conduct. If so, the case shall proceed for adjudication.

Section B:

Resolution

Section 3.05

Filing a complaint shall not always require a formal adjudication process. In the event that the Dean of Student Services or designee elects to seek an informal resolution, he/she may review all relevant information, interview pertinent witnesses and bring together the reporting party and responding party, if desirable.

Section 3.06

Resolution shall be achieved when the Dean of Student Services or designee, reporting party, and responding party, are satisfied that the behavior at issue has been addressed and a mutually acceptable outcome has been achieved. The resolution shall be written by the Dean of Student Services or designee and emailed to both parties.

Section 3.07

A party's failure to respond to a request by the Dean of Student Services or designee's request to participate in an informal resolution or the failure to appear or participate in an informal resolution may result in a letter to both parties, warning that failure to respond may result in a referral of the complaint to the disciplinary board for a hearing.

Section 3.08

If the Dean of Student Services or designee is unable to resolve the complaint to the mutual satisfaction of both the reporting party and the responding party, the Dean of Student Services or designee shall advise the reporting party and responding party of his/her rights to proceed formally.

Section C:

Findings of Fact and Recommendations

Section 3.09

After reading statements, interviewing responding party, witnesses, and reviewing evidence, a member of the Behavioral Intervention Team shall either dismiss the complaint or find that the responding party violated the code of conduct.

Section 3.10

Finding that the responding party violated the code of conduct shall be made on the basis of whether it is more likely than not that the responding party violated the code of conduct.

Section 3.11

The responding party shall be presumed not responsible for a violation of the code of conduct until it has been demonstrated through credible information and evidence that it is more likely than not that the student committed the violation.

Section 3.12

If the Behavioral Intervention Team member determines that the responding party violated the Code of Conduct, they shall recommend a sanction for the violation.

Section D:

Appeal Procedure

Section 3.13

A student may appeal the outcome of the matter. A review of the matter will be prompt. A party may seek review only on the following grounds.

(a) To consider new information sufficient to alter the decision, or other relevant facts not brought out in the original hearing, because such information was not known or knowable to the person appealing during the time of the hearing.

(b) To allege a procedural error within the process that may have substantially impacted the fairness or outcome of the investigation.

Section 3.14

Appeals must be submitted in writing to the Provost and Chief student Services Officer or designee within 7 business days from the day of the parties are notified about the outcome of the Formal Resolution. Upon receipt of an appeal the Provost and Chief Student Services Officer or designee will appoint an appellate review panel of 3 members from a pool of trained Behavioral Intervention Team members. The panel will review the material within 15 days of receipt of the appeal. The panel will examine all documentation of the process and report to determine if there is a reasonable basis for changing the outcome. The panel will issue a written determination of the appeal, which could include:

(a) Affirm the original finding and sanction

(b) Affirm the original finding but issue a new sanction, which may be of greater or lesser severity, based on the new information.

(c) Change original finding to not responsible for violation of the code of conduct due to a procedural or factual defect. All sanctions are dismissed.

Section 3.15

The panel's determination is final. The student shall receive written notice of the outcome of the appeal which will include any change to the result that occurs prior to the time that such results become final; and when such results become final.

Section 3.16

Potential student sanctions will be applied based upon the facts and circumstances of the case. Possible student sanctions may include those listed in Article IV Section A but may include counseling and/or disciplinary action including but not limited to: reprimand, warning, no contact order, loss of privileges, suspension, probation, or dismissal from the College.

Section 3.17 Recommended sanctions will not be imposed while the appeal is being reviewed unless the nature of the conduct under review or other circumstances involved dictate otherwise.

Article IV: Sanctions

Section A:
Interim Suspension of Privileges
Section 3.18
Faculty members retain the right to remove from the classroom (for the duration of that class period) any student demonstrating disruptive behavior. It is the responsibility of the faculty member to report the incident to the Dean of Student Services or designee and to indicate if they do not want the student to return to class (interim suspension) and the rationale for that request. This request will be acted upon by the Dean of Student Success or designee prior to the next class session.

Section 3.19
The Dean of Student Services or designee may issue an interim suspension of privileges for the following reasons. (a) To insure the safety and well-being of members of the MCC community or to preserve MCC property; (b) To insure a student's safety or wellbeing; or (c) If a student poses a threat of disruption or interference with the normal operations of MCC.

Section 3.20
During the interim suspension, a student may be denied access to MCC activities, facilities, classes, or other privileges for which the student might otherwise be eligible, as the Dean of Student Success or designee may determine to be appropriate.

Section 3.21
The decision to suspend privileges for an interim period shall be communicated by the Dean of Student Success or designee in writing to the responding party and shall be effective immediately. Notification shall either be delivered via students MCC email account or sent by certified mail. Failure or refusal to take receipt of notification shall not negate or postpone said action. The appropriate MCC officials shall be notified of the interim suspension including those directly involved in the pending complaint.

Section 3.22
The interim suspension of privileges shall remain in effect until a final decision has been made regarding pending complaints or until the Dean of Student Success or designee determines that the reason for imposing the interim suspension of privileges no longer exists. Absent exigent circumstances, or unless otherwise agreed to by both parties, an expedited hearing shall take place within 10 business days of notification of the interim suspension.

Section B:
Other Sanctions
Section 3.23
The following sanctions may be imposed individually or in combination for any violation(s) of the code of conduct:
(a) Reprimand. A verbal or written reprimand may be issued for minor forms of misbehavior. The reprimand will be recorded in the Office of the Provost and Chief Student Services Officer but will not become part of the student's official record.
(b) Warning. A written notice to the student, identifying the nature of the code of conduct violation(s). The warning shall be placed in the student's official record.
(c) Loss of privileges. Revocation of specified privileges for a specified time period (use of MCC facilities, co-curricular activities, and work study, for example).
(d) Restitution. Compensation for loss, damage, or injury. Restitution may be monetary, an appropriate form of service, or the replacement of specific materials, as dictated by the situation.
(e) Educational project. Completion of a project specifically designed to help the student understand why the violation of the code of conduct was inappropriate.
(f) Probation. A written reprimand for violation of a specified item in the code of conduct. Probation is for a designated period of time and includes the probability of more severe disciplinary sanctions if the student is found responsible for violating the code of conduct during the probationary period.
(g) Suspension. Separation from MCC for a specified period of time after which the student is eligible to return or the organization may resume its activities.
(h) Permanent separation from MCC.

Section 3.24
The proper MCC authorities shall be notified of any sanction imposed.

Section 3.25
Sanctions shall be recorded in the student's official file and a record of it will be maintained in the office of the Provost and Chief Student Services Officer. (Minor forms of misbehavior will not become part of the student's official record.). To the maximum extent permitted under FERPA, all records are considered educational records.

Section 3.26
The following sanctions may be imposed upon student clubs or organizations:
(a) The sanctions are listed above in Section B: Other Sanctions
(b) Deactivation or loss of recognition for a specified period of time.

Article V: Withdrawal and Readmission

The Provost and Chief Student Services Officer shall be advised of any student who voluntarily withdraws from MCC while a complaint is pending. The student must present adequate evidence of permission to re-enroll. Permission for reenrollment may be granted only after the complaint has been resolved, unless circumstances dictate otherwise. If the complaint cannot be resolved because the complainant, witnesses or evidence are not available, such permission may be denied by the Provost and Chief Student Services Officer.

Technology Acceptable Use Policy

The purpose of the technology acceptable use policy is not to restrict educational use of technology but to protect employees, students, and the institution from malicious and illegal actions. This policy applies to all technology systems, which includes computers, email, websites, and the wireless system.

The college expects that all use of technology resources will be used in a responsible and ethical manner. All use must not violate local, state, federal, or international laws or regulations.

By using MCC technology, individuals agree not to use the technology to gain access to information they are not authorized to use, bypass or disable security controls, misrepresent themselves or others, harass others, commit illegal actions, cause disruptions to network systems, send spam messages, intentionally infect systems with malware, remove security controls or change administrator passwords, make unauthorized copies of copyrighted or licensed material, or to make visible or audible material that may be reasonably construed as offensive to other individuals.

Safeguarding the college's information resources is the responsibility of all individuals. By using and having access to MCC technology, individuals agree to take reasonable action to protect college data. Such action includes not sharing account passwords with anyone and never giving access to computers or sensitive information to others. Only MCC Information Technology (IT) personnel are permitted to repair college owned devices or change information security controls. Suspicions of data loss or malware on devices must be immediately reported to the IT department Help Desk.

Personal use of MCC technology is permitted where such use does not interfere with the educational goals of the college. Personal use must adhere to this policy and will be subject to the same monitoring and disciplinary action as institutional uses, which includes the possibility of Freedom of Information Act (FOIA) requests. Personal use is restricted to the tools available as part of the delivered technology. Configuration changes will not be made to accommodate personal use.

Access to technology at MCC is a privilege that can be withdrawn when an individual abuses it. By using MCC technology you agree to the above standards of technology acceptable use. Failure to comply with this policy may result in loss of access, loss of employment, or removal from academic programs.

Users of Muskegon Community College computers, email, accounts, mobile devices, network resources, internet access, and other information systems should have no expectation of privacy, as these systems are subject to monitoring and review.

Transferring Credit to MCC

Transferring Guidelines

Muskegon Community College welcomes transfer students. We may award transfer credit for coursework from accredited institutions of higher education and the United States Military Service. Transfer credits may also be awarded for some Advanced Placement (AP), College Level Examination Program (CLEP), and International Baccalaureate (IB) examinations, as well as for Life Experiential Learning (LEAP). and Industry Recognized Credentials.

Muskegon Community College will award equivalent course credit when applicable, and when direct equivalencies are not available, elective credit in appropriate academic subjects may be awarded.

Transfer credit to MCC is determined on an individual basis using these guidelines:

- Apply Online for Admission to Muskegon Community College.
- Official Transcripts and Official Score Reports must be sent directly from each college or national testing service to:

  Transfer Evaluation, Room 1048-H
  Muskegon Community College
  221 S. Quarterline Rd
  Muskegon, MI 49442

- **International**-credits must be evaluated through wes.org or ece.org to be accepted for evaluation.
- **Regionally-accredited College or University** - Transfer credit must be from a regionally-accredited college or university sent directly from the College/University or Testing Service.
- **Grades** - Only courses in which a student received a grade of C or better will be considered for transfer credit.
  - Credits only, not grades are accepted in transfer. Grades are not entered on the official MCC transcript or calculated in the cumulative grade point average.
  - The total amount of transfer credit accepted from another institution will appear on the student's MCC transcript, but not the specific credit accepted.
  - Students who transfer a course which has a higher number of credit hours than the Muskegon Community College equivalent course may be awarded the "excess" credit.
- **Residency Requirement** - A student may transfer any number of credits to MCC, however, a student must complete at least 30 credit hours, or the last 15 credit hours of a degree, at MCC in order to receive a Muskegon Community College degree.
- **Course Descriptions/Syllabi** - If a determination cannot be made on the credit a student should receive, the student may have to obtain a copy of course descriptions and/ or course syllabi with objectives. The Office of the Registrar will contact the appropriate academic department for determination.
- **Evaluation Time** - Transcripts will be evaluated within approximately three to five weeks. Transcripts older than five years or from out-of-state institutions may take an extended amount of time to be evaluated due to obtaining needed course descriptions and course syllabi.

Time Limits on Transfer Credits

In most cases, credits will be accepted without a time limit from any regionally-accredited institution. In certain courses, where a program or the academic department requires that current knowledge is essential, a time limit may be imposed on the applicability of earned credit toward satisfying a degree requirement. Such a time limit must be approved by the department. The following courses must have been taken within the time limits specified:

- Accounting Courses – Must have been taken within ten years prior to the evaluation.
- Information Technology/Computer Science Courses – Must have been taken within five years prior to the time of the evaluation.
- Liberal Arts – Liberal Arts courses generally don't have a time limit when used toward an Associate in Science and Arts Degree at Muskegon Community College.
- Medical Assistant – All non-medical assistant courses required for the medical assistant degree, must be taken within eight years prior to the time of the evaluation. If testing/coursework is over eight years old, competency must be validated on established examinations or by repeating the course. As noted on the admission checklist, Computer Science courses must have been taken within the five years prior to the time of evaluation. Medical Assistant (MA) courses cannot be transferred to MCC from another institution.

Advanced Placement Credit (AP)

AP has enabled millions of students to take national standardized exams and earn college credit.

We only accept official score reports sent directly from College Board to MCC. Please contact AP Score Reporting Services at www.collegeboard.org.

Only scores of 3 or higher will be considered for credit.

College Level Examination Program (CLEP)

CLEP is a national standardized testing program which offers tests in various academic areas. Passing scores may be accepted for college credit. The acceptance and determination of minimum scores for the CLEP exams will be determined by the department authorizing credit for that subject. Students may earn a maximum of 30 semester hours of credit through the CLEP/DANTES examinations. For more information regarding CLEP, check their website at www.collegeboard.org.

International Baccalaureate (IB)

Students who participated in an International Baccalaureate (IB) program may receive credit for completion of the Higher Level exam(s), depending on the subject area and exam score. Equivalent course credit may be granted for IB scores at the discretion of the corresponding academic department at Muskegon Community College. Due to the requirements of the Michigan Transfer Agreement (MTA), IB credits may not be used to fulfill MTA requirements at this time. Students must request for official IB examination scores to be mailed to Muskegon Community College. Official IB scores may be ordered online at https://rrs.ibo.org.

Credit for Industry - Recognized Credentials

Muskegon Community College recognizes that industry-recognized credentials, such as professional licensures and certifications, represent a level of learning and competency for which college credit may be granted. Students enrolled in a degree or certificate program at MCC may submit a current industry-recognized credential and the Credit for Industry-Recognized Credentials Application Form to the Office of the Registrar. The Office of the Registrar will forward the credential and application form to the appropriate academic department at MCC. Equivalent course credit may be granted at the discretion and approval of the corresponding academic department Chair.

Credit granted for industry-recognized credentials is intended to fulfill academic program requirements at MCC and is not intended to transfer to other institutions. Due to the requirements of the Michigan Transfer Agreement (MTA), credit granted for industry-recognized credentials may not be used to fulfill MTA requirements at this time. While there is not a maximum number of credits a student may be granted for industry-recognized credentials, students must complete at least 30 credit hours, or the last 15 credit hours of a degree, at MCC in order to receive a MCC degree.

Defense Activity for Non-Traditional Education Support (DANTES)

DANTES is a national standardized test in selected areas and is accepted for college credit. The acceptance and determination of minimum scores for DANTES examinations will be determined by the department authorizing credit for that subject. Students may earn a maximum of 30 semester hours of credit through the CLEP/DANTES examinations.

Military Experience

Muskegon Community College (MCC) will evaluate your military credits for possible award of transfer credits after your official military transcript has been received and you have been admitted to the College.

Joint Services Transcript (JST)

JST is the Joint Services Transcript that has replaced the Coast Guard Institute Transcript, the Army/American Council on Education Registry Transcript (AARTS) and the Sailor/ Marine American Council on Education Registry Transcript (SMART). JST is an academically accepted document approved by the American Council on Education (ACE) to validate a service member's military occupation experience and training along with the corresponding ACE college credit recommendation. For additional information on Military Transcript Evaluation visit ACE | Military Programs and check out Joint Service Transcript (JST) Video.

Army

Email your inquires to: usarmy.knox.hrc.mbx.tagd-jst@mail.mil or Call Toll Free: 1.888.276.9472 Login at JST.DODED.MIL to order transcript Veterans now have access to electronically submit their official JST to Muskegon Community College after they register for an account on the JST website (jst.doded.mil). The steps for submitting an official transcript via the JST website are listed below:

Step 1: Register for an account with JST, if you have not done so already via jst.doded.mil .

Step 2: Log into the JST system via jst.doded.mil

Step 3: Click on the 'Transcripts' tab at the top of the page, and then select the 'Official Transcript request' tab.

Step 4: Type in the institution name or part of the name and click 'search' or hit the enter key. For example instead of typing in the 'Some Name University' you could type in 'Some Name'. You may need to scroll through the entire list to ensure you have the correct location.

*QUICK TIP: Do not use any punctuation when typing in the name of an institution. If you receive 'no matches found', try using a smaller part of the institution's name.

Step 5: This will bring you to the order page that will show your name, rate/rank, etc., and the institution name. You will be asked if this is the institution you wish to have a transcript sent to. Please ensure you pay attention to the delivery method.

Please have your official military transcripts sent directly to:

Office of the Registrar
Transfer Evaluations, Room 1048H
Muskegon Community College
221 S. Quarterline Road
Muskegon, MI 49442

Air Force
Please send a request to the College of the Air Force (CCAF) at:

CCAF/RRR
130 West Maxwell Blvd
Maxwell AFB, AL 36112-6613
https://www.airuniversity.af.edu/Barnes/CCAF/

Coast Guard

To receive your Coast Guard Transcript, you must complete a for 1560/04e (Educational Assessment Worksheet.) If your Educational Assessment Worksheet has already been completed, please request your Coast Guard Transcript by sending your completed 1560/04e to

USCG Institute
E-mail: CGI-PF-ed_transcripts@uscg.mil
Fax: 405.954.7249
Login at: JST.DODED.MIL to order your transcript

Navy/Marine Corp
Email your JST requests to:
JST Technology Operational Center
Email: jst@doded.mil

The Joint Military Transcript will be sent to the appropriate academic department for their review and possible approval.

Military transcripts will be evaluated within approximately six to eight weeks and may take an extended amount of time to be evaluated due to sending recommendations to departments for approval.

Muskegon Community College will try to award direct course equivalencies. When direct equivalencies are not available, an elective in an appropriate academic subject may be awarded. MCC is unable to grant credit for military specific credit.

Request for Transfer Course Equivalency Reevaluation
Muskegon Community College has established the following procedure for students requesting reevaluation of their transfer equivalency. The reevaluation guidelines are:

- Only courses from a regionally accredited institution with a "C" and above will be considered. An Official transcript must be on file before a reevaluation will be considered.
- Complete one request form for each department and include a copy of course descriptions and course syllabi which includes course objectives & outcomes for the semester and year the course was taken.
- Return form, course description and syllabus to the Registrar's Office
- Results of your reevaluation are final and are based on documentation you submitted. Final results will be mailed to you within four weeks.
- Incomplete Reevaluation Forms and lack of documentation will not be considered for reevaluation.
- Approval of Registrar is required to start process.

Articulated Credit
Apply to Muskegon Community College online at www.muskegoncc.edu.

To apply for articulated credit students need to apply through their high school's counseling office.

Submit official final high school transcripts to:

Admissions
Muskegon Community College
221 S. Quarterline Road
Muskegon, MI 49442
admissions@muskegoncc.edu

Submit completed Articulated Credit Application form with signed competency checklists to:

Office of the Registrar, Room 1048-H
Muskegon Community College
221 S. Quarterline Road
Muskegon, MI 49442
officeoftheregistrar@muskegoncc.edu

Enroll within 24 months following high school graduation.

To finalize your articulation credit, please contact the Office of the Registrar at (231) 777-0240 or email officeoftheregistrar@muskegoncc.edu when at least six credit hours of 100 level courses or above have been completed with a cumulative 2.0 GPA at Muskegon Community College.

Students may earn a maximum of 15 credit hours toward a certificate program and 30 credit hours for an Associate degree program.

Michigan Transfer Network
The Michigan Transfer Network at https://www.mitransfer.org/ is a valuable "single source" website that students, counselors and the public may use to check transfer equivalencies for courses among colleges and universities in Michigan. It is sponsored by the Michigan Association of Collegiate Registrars and Admissions Officers in partnership with Michigan State University.

Non-Conventional Credit
Some course requirements may be met by methods other than completing courses. Students may wish to explore with a counselor the following options:

- **Life Experiential Learning** - Credit may also be granted to students who are unusually well-prepared in a particular discipline if they can demonstrate that preparation through a process called the Life Experience Assessment Program (LEAP). Consult a counselor for information. Applications are available on MCC's website at https://www.muskegoncc.edu/departments/registrars-office/. There is a non-refundable $20 per credit hour fee that must be paid before submitting LEAP application material. Students may pay LEAP application fees by calling the Financial Services office at (231) 777-0249 or by visiting the Financial Services office on the Main Campus. A maximum of 30 credits may be awarded through LEAP.
- **Proficiency Examination** - Credit may be granted for students seeking credit by departmental examination. Applications are available from department chairpersons.

Individual Study Courses
Students may work with a faculty member or a department chairperson in designing special courses to meet their individual needs. A form is available from the Academic Affairs Office to apply for such an individual study course. The criteria for approval are also available in that office. A student should not begin work on such a course until all approvals are completed and tuition has been paid.

A student may take, as part of his or her regular program, a maximum of ten (10) credit hours in "individual study." The application of these credits towards a given major or minor will be judged by the institution accepting these credits. Each Individual Study Course will carry variable credit (1/2 – 6) as contracted between the faculty member and the student.

Individual study course options are available to replace existing coursework for the purpose of meeting graduation requirements, to provide additional opportunities within a discipline to a student who has taken all available courses add/or their equivalent in a subject area, or to supplement transfer credit to meet program requirements.

Reverse Transfer

What is Reverse Transfer?

Reverse transfer is an agreement between Muskegon Community College and other four-year universities within Michigan that allows students to receive an associate degree by combining credits completed at Muskegon Community with credits earned at the four-year university. An associate's degree from MCC requires 62 credits, with various requirements, depending on your elected program. Reverse transfer is not applicable to certificates offered at MCC, only associate's degrees.

What are the benefits of Reverse Transfer?

Reverse transfer provides students with an opportunity to add a marketable credential to their resume that will help give them an edge in the workforce. Obtaining an associate degree also allows students to receive full credit for their academic achievements. Students who receive their associate's degree are more likely to finish their bachelor's degree, increase their earning power, and increase their hire ability by showing competency and a dedication to finishing an educational milestone.

Reverse Transfer Partners:

Institution	Minimum MCC Credits
Davenport University	30
Ferris State University	30
Grand Valley State University	30
Western Michigan University	45

How do I know if I am eligible?

If you recently transferred to a four year institution from Muskegon Community, the university's Registrar Office will notify you via email that you are eligible for review based on the number of credit hours you have completed, typically at the end of a semester. Evaluations will only be run for current active programs.

What happens next?

If you are eligible, fill out the Reverse Transfer Release Form, included in your email and turn it into your university's Registrar Office. The form and your transcripts will be released to Muskegon Community College and they will be reviewed to see if you have qualified to be awarded the associates degree. All correspondence regarding the results of the review will be sent directly to you from Muskegon Community College.

Am I guaranteed a degree from Muskegon Community College?

No. The sending of your transcript to MCC does not guarantee the granting of a degree. The courses you have completed will be evaluated and is subject to the degree and residency requirements of Muskegon Community College, which will be the degree granting institution. A minimum grade point average of a 2.0 is required.

How will I be notified to know if I qualify?

You will be informed by the email address submitted with the reverse transfer form if you meet or do not meet the degree requirements.

For more information:
Muskegon Community College
Email: officeoftheregistrar@muskegoncc.edu

Transcripts

Transcripts must be requested online at https://www.muskegoncc.edu/student-resources/student-records/transcripts/. Transcripts that are released to the student are unofficial. Transcript requests are normally processed within two or three days, but may require more time to process at the end of a semester. Your signature is required before we can release your transcript. Official transcripts must be sent directly to a college/university or business. "Sealed transcripts" are available but are "issued to student."

Unofficial transcripts may be printed online using MyMCC, under Self-Service then Academics.

OR

Official transcripts are issued DIRECTLY to an institution or place of business with the official college seal and registrar's signature. They are used for college or university transfers, job applications, scholarships, etc. Official transcripts are issued only after students have fulfilled all financial obligations to the College. If a transcript request is for pick up or mailed directly to the student, it will be unofficial. Official transcripts must be ordered online through the Parchment at https://www.muskegoncc.edu/student-resources/student-records/transcripts/ .

No Exceptions

Muskegon Community College does not fax transcripts. Transcript requests cannot be accepted verbally or from friends, spouse or relatives in accordance with the Family Educational Rights and Privacy Act of 1974.

Weapons Policy

It is the policy of Muskegon Community College that no person employed by MCC or any student or visitor to the MCC buildings, facilities, grounds, vehicles, or other MCC property shall possess a weapon in an MCC building, on MCC grounds, during an MCC-sponsored activity, or during such times as students are under the supervision of MCC authorities.

Each student enrolled in Muskegon Community College shall abide by the terms of the MCC policy respecting a weapon-free zone.

Any student who violates the terms of this policy shall be subject to immediate removal from MCC property, and the matter shall be referred to the appropriate law enforcement agency for possible prosecution. MCC reserves the right to impose such sanctions as shall be called for by MCC administrative policies, procedures, and regulations.

This policy is not intended to apply to on or off-duty law enforcement personnel under performance of their duties, armed carriers, and others who have legal cause to carry a weapon and have the President's permission.

President's Welcome

Welcome to Our Thriving Community!

On behalf of our entire faculty and staff let me be the first to say welcome to Muskegon Community College (MCC)!

We're glad you're here. Our #1 goal in everything we do is to provide you with a first-rate education as you pursue your dreams. Whether you attend classes online or in person, MCC's professors and academic team make your success their top priority.

 MCC offers classes at times that fit your busy schedule. We offer over 80 programs of study to earn an Associate in Applied Science (AAS), Associate in Science (AS), Associate in Arts (AA) degree, or certificates of completion as well as numerous personal enrichment/continuing education courses.

 Our programs will get you ready for university transfer, prepare you to enter the workforce, or advance your career. Enjoy the beauty and high-quality learning environments on our main campus with our state-of-the-art Science Center, Health and Wellness Center, Automotive Center, and Art and Music Building, or gain hands-on technical experience at our downtown Sturrus Technology Center. You may find online learning or attending class at one of our extension centers to be even more convenient. Regardless of where you attend class, MCC will provide a high-quality and affordable education with many innovative experiences including study abroad.

Dive-in! Get involved! I encourage and invite you to participate in the many activities we offer, such as athletics (including esports), student clubs, student government, art, theater, music, and other campus events. Our faculty and staff are also here to provide guidance and support along the way to help you reach your educational and professional goals.

 Take the first step today by calling us at 231-773-9131 or explore our video viewbook at https://www.muskegoncc.edu/admissions/discover-mcc/.

 We appreciate your interest in MCC and look forward to working with you to achieve your goals.

 Sincerely,

Dr. John Selmon, President
Muskegon Community College

Catalog Archives

The catalogs below range from the 2004-2005 academic year through the 2024-25 academic year.

Archived Catalogs

Campus Facilities

Art and Music Building

The state-of-the-art, Art & Music Building is home to MCC's Music and Visual Arts. The art wing has studios for painting, drawing, ceramics as well as lecture presentation rooms. The music wing houses a computer music and piano lab, soundproof recordable practice rooms, music teaching suites, music library, recording studio and rehearsal halls.

Bartels-Rode Gymnasium

The Bartels-Rode Gymnasium is a separate building, south of the main parking lot. In addition to housing a large, multipurpose gymnasium, this building also houses coaching offices. The baseball and softball fields are located south of the gymnasium.

Carr-Fles Planetarium

The Carr-Fles Planetarium has been in operation since 1972, assisting in the study of astronomy with sky movies and projections of the stars, planets, and constellations on a domed ceiling. A $4 million renovation in 2012 upgraded the facility to a digital theater with seating for 44 theater-style seats and 5 spaces for those who use wheelchairs. Free public shows, suitable for ages 8 and up, are available on Tuesday and Thursday evenings at 7:00 p.m., SeptemberJune. A complete schedule is available on the MCC website for these 35-minute shows, and no reservations are needed. Private shows may be also scheduled for groups of 15-44, and teachers or group leaders are encouraged to schedule two to three weeks in advance. For more information, or to schedule a private show, please call (231) 777-0289 or email tamera.owens@muskegoncc.edu

Classrooms

More than 100 classrooms, laboratories and conference facilities are available on campus, completely furnished to meet the needs of their particular disciplines.

Collegiate Hall

Collegiate Hall is located on the second floor. It offers students a quiet place to study where they may also eat. On occasion, this space may be utilized for conferences and workshops. When this occurs, students should use the first-floor hallway as an alternate route to classrooms.

Observatory

Located at the property of the Muskegon County Wastewater System, 8301 White Road, Muskegon, the observatory is used for MCC's Astronomy and Cosmology students doing project work and by the Muskegon Astronomical Society

Distribution and Display of Materials

Advance approval must be obtained from the Director of Student Success (or designee) for the distribution or display of posters, signs, pamphlets and handbills, newspapers or other form of printed material or visual aids originating from sources not connected with the college. Material should be brought to room 1055 for approval in distribution.

Elevators

Elevators are located in the lobby of the Hendrik Meijer Library and Information Technology Center, by the Welcome Center, at the Stevenson Center for Higher Education on the first floor near the main entrance, at the northwest corner of the main building near the English department, and in the Overbrook Theater lobby.

Frauenthal Foundation Fine Arts Center

At the heart of the Fine Arts Center is the 300- seat Overbrook Theater and adjacent Art Gallery, where works by students, faculty, and guest artists are exhibited. The Center also includes two large rehearsal rooms for theater and a studio equipped with a Marley floor and mirrors for dance.

Gerber Lounge

Gerber Lounge is located on the first floor directly across from the main entrance of MCC. It serves as a meeting place, study area, and rest stop for students and visitors. As a courtesy to all, there are some restrictions on the use of the lounge. No card playing, no food or beverages, and no loud or boisterous behavior are allowed in the Gerber Lounge.

Golf Course

University Park Golf Course is a public golf course owned and operated by Muskegon Community College. Established in 1968 and located across the street from the main campus, the nine-hole course was designed by Bruce Matthews. The course features two different tee-off areas to make for an interesting and challenging 9-holes of golf. Open seven days a week from April until October, the course has a driving range and putting green. University Park Golf Course is home to numerous leagues, catering to every caliber of player.

Health and Wellness Center

The 52,400 square foot Health and Wellness Center is next to the gymnasium. It includes classroom and learning space for Physical Education, Recreation, Nursing, and Respiratory Therapy.

John Bartley Science Museum

The John Bartley Science Museum opened in 2017 as part of MCC's promotion of STEM education and awareness. Free and open to the public, the museum honors the legacy of Dr. John Bartley, who taught geology and math at MCC for many years, and his strong commitment to scientific outreach. Located near our popular planetarium, the museum offers interactive, "hands-on" exhibits that engage children and adults alike. For more information, please email tamera.owens@muskegoncc.edu or call (231) 777-0289.

Kasey Hartz Natural Area

The diversity of the wooded forest immediately north of the Muskegon Community College campus provides an ideal setting for our educational Natural Area. The Natural Area and associated nature trail are suitable for all ages. Reservations for group tours with guides need to be at least two weeks in advance, and can be made by calling the Life Science Department at (231) 777-0273. Spring tours are available starting mid-April through June, and Fall tours are September through October, depending on weather. Individuals are free to explore on their own.

Lockers

Lockers for students' use are available in the Student Union. Lockers are free. Students may purchase locks in the Bookstore. Please place valuables in the lockers. At the conclusion of each semester all items and locks must be removed.

Lost and Found

Found items can be turned in at the Security Desks, located in the Main Lobby or the Stevenson Center. Lost items can be reported at either location or you can call (231) 777-0545.

Overbrook Gallery

Overbrook Gallery, located in the Frauenthal Fine Arts Center on the campus of Muskegon Community College, exhibits work by local, Michigan, and outof-state artists and MCC art students in a variety of solo, group, and thematic shows throughout the year. Exhibits are always free and open to the public. Visiting artist presentations are scheduled in connection with shows. Gallery hours are 9:00- 4:00 weekdays with special weekend and evening hours during theater performances, receptions, and gallery talks. Call (231) 777-0324 for details.

Parking

Two large parking lots serve the campus. The main lot is located south of the Main Building, and may be entered from Marquette Avenue or from Quarterline Road. The east entrance is located north of the James L. Stevenson Center for Higher Education, and may be entered from Quarterline Road.

Parking - Handicapped

Handicapped parking spaces are available near all main entrances. Students needing special parking are urged to apply for a reserved space in this area through the Physical Plant Office, Room 1356.

Parking Permits

Register your vehicle at the Student Welcome Center. Parking permit decals are required on all vehicles. Protect your vehicle. You may get a parking sticker at the Student Welcome Center or in Room 1356.

Restricted parking areas are few, but they are well marked. Roadways are considered emergency vehicle areas and should never be blocked. Citations are written, ranging from $3.00 to $25.00 for violations. Excessive violations will result in loss of parking privileges or cars being towed at the owner's expense.

All applicable City of Muskegon ordinances are enforced in MCC parking areas. Report any accidents or incidents to the Physical Plant (Room 1356) immediately or call Security at either (231) 777-0545 or their cell phone at (231) 557-5648. Prevent problems by keeping your vehicle locked and taking valuables with you.

Printing Services

A coin-operated copy machine is located in the library. Students can also send a Printing Request through MyMCC and pick it up the next day in the Quick Copy Center.

Room Numbers

The 1000's will run sequentially across the main floor of the main campus, with the 2000's in the same sequence below on the second floor and the 3000's in the same order beneath on the third floor. The 1200's will be located in the Art and Music Building. The 1300's, 2300's and the 3300's are on the Stevenson Center first, second and third floors, respectively. The 1400's are in the Science Center. The 1500's are located in the Automotive Building. The stairwells are denoted with capital letters, from A-L. The main entrance to the Stevenson Center for Higher Education can best be accessed by utilizing the east parking lots (second entrance off of Quarterline Road).

Stevenson Center for Higher Education

Named for MCC's 8th president James L. Stevenson this 93,500 square foot building is contiguous to the main academic facility on campus. The Center contains 40 classrooms/conference rooms including computer classrooms, a large conference room, a large lecture hall, and a science room. The Stevenson Center is also the home of MCC TV and the Quick Copy Center. Technology advancements allow for a variety of instructional delivery system.

Sturrus Technology Center

The Sturrus Technology Center (STC) is an extension site of MCC located in downtown Muskegon at 388 W. Clay Ave. STC houses Applied Technology, Entrepreneur (Lakeshore Fab Lab), and Experiential learning programs. Over 75,000 square feet of finished space include machining, welding, materials testing, computer aided design, foundry and numerous other classrooms.

Vending Services

Vending machines are located throughout all MCC buildings and campuses. Vending offers hot and cold beverages and snacks. All vending machines accept cash and credit cards.

In addition to the traditional vending machines, Muskegon Community College offers three fresh food vending machines. These machines are conveniently located on the second level in the Student Union in the Main Building, the first level in the Stevenson Center, and at the Sturrus Technology Center, in the Student Lounge. These machines offer a variety of take and heat meals, sandwiches, salads, and breakfast items.

The College Bookstore also offers convenient options, such as fresh food options, take and heat meals, cold and hot beverages, and snacks.

Campus Safety and Security

In compliance with the "Jeanne Clery Disclosure of Campus Security Policy and Campus Statistics Act," formerly known as the Crime Awareness and Campus Security Act of 1990, a guide is issued each year to provide information regarding safety and security procedures and crime statistics. Refer to our webpage at www.muskegoncc.edu/safety

If a threat to human welfare or security of personal or college property should occur, please report it to the Physical Plant office, Room 1107. For non-emergency situations, please dial Security at 7545 on a MCC phone or 231-777-0545 on a cell phone. For emergency situations, please 911. Keep your vehicle locked at all times.

CAREER AND TRANSFER SERVICES

Career Services

Room 105

We provide personalized guidance and assistance in the career decision making process by helping you identify your talents, interests and values while setting clear educational goals. For more information please visit https://www.muskegoncc.edu/departments/counseling-advising/

Transfer Services

Room 1050

The transfer process can be complex with information coming from all directions: admissions applications, college visits, official transcripts, credit evaluation, essays, references, academic requirements, financial aid, housing arrangements, major choice, etc. We can help with it all.

We can provide the following services:

- Help determining which college or university will best meet your needs
- Assist you with creating a plan to ensure you meet the transfer requirements of your chosen institution
- Navigate the application process and offer tips on essays and references
- Provide resources such as transfer guides, course equivalencies, scholarship information, college directories and catalogs to help you make the best choice
- Connect you with representatives on campus from four-year colleges and universities during Transfer Fairs and Information Sessions

For more information please visit https://www.muskegoncc.edu/departments/counseling-advising/

Crime Statistics

Muskegon Community College is a very safe place to be, as indicated by the statistics stated below. However, you need to be aware that the college is subject to many of the same problems that occur in the community in which it is located. The following information has been prepared to increase your awareness of any problems that may exist.

Refer to the Annual Safety Report page 15 on the Web for our Crime Statistics:

www.muskegoncc.edu/crime

Directory Information

The College designates certain information as "directory information." This may be disclosed without violating FERPA. It includes:

1. Student's name
2. Major field of study
3. Weight and height of athletes
4. Participation in officially recognized activities and sports
5. Dates of attendance, degrees, date of graduation and awards
6. Photographs

Directory information does not include student identification numbers, Social Security numbers, or other personally identifiable information.

MCC considers student mailing address and email address to be Limited Directory Information that may be disclosed, without the student's written consent, only for educational purposes and at the discretion of College administration. This includes (but is not limited to):

1. MCC may disclose eligible students' mailing address and email address to the Phi Theta Kappa (PTK) Honor Society for the purpose of PTK inviting students to join the honor society and receive the benefits of PTK membership.

2. MCC may disclose student mailing address and email address to representatives from other colleges and universities who are seeking to offer educational and/or scholarship opportunities to MCC students or graduates.

MCC will not disclose student contact information to outside organizations seeking to use such information for noneducational, commercial purposes.

Non-Disclosure Form

Students wishing the College to withhold directory information on them may do so during the first week of classes by submitting the Non-Disclosure form to the Registrar. Forms are available online or at the counter in the Student Welcome Center.

Disclosure of Educational Records

Muskegon Community College will not disclose student records to anyone other than the student (including the student's parents), without the student's written permission. However, FERPA does establish several exceptions that allow the institution to disclose student records without the student's prior written consent. Some of these exceptions are:

1. To other school officials with a legitimate educational interest.
2. To officials of other schools in which the student seeks to enroll.
3. In connection with a student's application for, or receipt of financial aid, as necessary to determine the eligibility, amount or conditions of the financial aid, or to enforce the terms and conditions of the aid.
4. If disclosure is necessary to protect the health or safety of the student or other persons in a health or safety issue.
5. To comply with a judicial order or to respond to a lawfully issued subpoena, provided the College first make a reasonable attempt to notify the student.
6. Directory information as defined by Muskegon Community College. You should always contact the Dean of Student Services before releasing student records to a third party, even if you think one of these exceptions applies.
7. To certain officials of the U.S. Department of Education, the Controller General, and the state or federally supported education programs.
8. To organizations conducting certain studies for or on behalf of the College.
9. To accrediting organizations to carry out their accrediting functions.
10. To parents of an eligible student who claim the student as a dependent for income tax purposes – IRS Code of 1986, Section 152.
11. To an alleged victim of any crime of violence of the results of any institutional disciplinary proceeding against the alleged perpetrator of that crime with respect to that crime.
12. Veterans Administration Officials in response to requests related to VA programs.
13. Representative of the Immigration and Naturalization Services (INS) for purposes of the coordinated interagency partnership regulating international students (SEVIS).
14. As of January 3, 2012, the U.S. Department of Education's FERPA regulations expand the circumstances under which your education records and personally identifiable information (PII) contained in such records – including your Social Security Number, grades, or other private information – may be accessed without your consent. First, the U.S. Comptroller General, the U.S. Attorney General, the U.S. Secretary of Education, or
15. State and local education authorities ("Federal and State Authorities") may allow access to your records and PII without your consent to any third party designated by a Federal or State Authority to evaluate a federal – or state-supported education program. The evaluation may relate to any program that is "principally engaged in the provision of education," such as early childhood education and job training, as well as any program that is administered by an education agency or institution. Second, Federal and State Authorities may allow access to your education records and PII without your consent to researchers performing certain types of studies, in certain cases even when we object to or do not request such research. Federal and State Authorities must obtain certain use-restriction and data security promises from the entities that they authorize to receive your PII, but the Authorities need not maintain direct control over such entities. In addition, in connection with Statewide Longitudinal Data Systems, State Authorities may collect, compile, permanently retain, and share without your consent PII from your education records, and they may track your participation in education and other programs by linking such PII to other personal information about you that they obtain from other Federal or State data sources, including workforce development, unemployment insurance, child welfare, juvenile justice, military service, and migrant student records systems.

Equal Opportunity

Equal Opportunity

Muskegon Community College is an equal opportunity employer. MCC does not discriminate on the basis of race, color, religion, sex, national origin, marital status, sexual orientation, gender identity, transgender status, political persuasion, disability, height, weight, veteran status, age or any other protected class in any of its educational programs, activities or employment. Minorities, women, veterans, and the physically challenged are encouraged to apply. Anyone with a disability will be reasonably accommodated by the College. If you have a disability and need an accommodation or assistance in applying for this position, please contact the Human Resources Office.

This catalog is for informational purposes only and is not to be considered a binding contract between Muskegon Community College and individual students.

 The information in this catalog was accurate as of February 2025 and is subject to change without notice. This publication - which details policies, procedures, rights, responsibilities, programs, and course descriptions - is intended to be used along with MyMCC and the schedule that is published each semester to provide current information on registration and course offerings.

Equal Opportunity, Harassment, and Nondiscrimination for All Faculty, Students, Employees, and Third-Parties

Commitment to Our Campus Community

Muskegon Community College (MCC) is committed to developing and sustaining a healthy learning and working environment that recognizes the value of each individual. MCC advances a safe, pleasant and respectful culture for all, free from prohibited discrimination and harassment.

EEO Statement

It is the policy of Muskegon Community College to provide equal opportunities and not discriminate in enrollment, education, employment, public accommodations, activities, or services, and the College prohibits discrimination based on the basis of age, citizenship, color, disability, ethnicity, gender identity or expression, genetic information, height, marital status, national origin, political persuasion, race, religion, sex (including the condition of pregnancy), sexual orientation, veteran status, weight, or other legally protected categories.

Title IX Coordinator and Deputy Coordinators

Ken James, Chief Compliance/Title IX Officer 231-777-0617, Room 2109F

Jason Cooper, Dean of College Services and
Athletics
231-777-0690, Room HWC 124A

Donielle Nichols, Director of Human Resources
231-777-0698, Room 2109N

Dr. Patti D'Avignon, Dean of Student Services
231-777-0341, Room 1055B

Kristine Anderson, Chief Human Resources Officer
231-777-0447, Room 2109M

Tonette Brown-Garner, Evening College Services
Coordinator
231-777-0654, Room 1353
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Classroom Speech and Content

MCC's sexual harassment policies do not prohibit instructors from bringing relevant sexual content into their courses. It is understood that the academic setting is distinct from the typical workplace in that latitude is required in determining the appropriate content of academic material. However, speech that is not necessary to teach the material, or is objectively offensive and severe or pervasive is prohibited by College Policy and may lead to discipline.

Amnesty to MCC Student Code of Conduct to Encourage Reporting

Students who in good faith report incidents of sexual assault or other sexual violence may be granted immunity for drug and alcohol use violations provided that such violations did not or do not place the health or safety of any other person at risk. The College, may, however, initiate an educational program or discussion with the individual regarding alcohol or drug use.

Faculty

FACULTY

ALLEN, STEPHANIE *Surgical Technology* *AAS Delta College* *BA Saginaw Valley State University* *MBA Herzing University*	**CHURCH, IRENE** *Business Communication* *BS, MA Central Michigan University* *ACUE Certified in Effective College Instruction*
AMMOND, CHARLES *Electronics* *BSEE University of Michigan* *MBA Grand Valley State University*	**COLCLEASURE, SEAN** *English* *BA California State University* *MA California State University*
ANDERSON, LISA *Library* *BA Lake Superior State University* *MLIS Wayne State University* *MA Western Michigan University*	**COLLINS, SHAE** *Nursing, RN* *ADN Muskegon Community College* *BSN Ferris State University* *MSN Ferris State University*
BATES, KATHLEEN *Nursing, RN, CNE* *BSN Grand Valley State University* *MSN Michigan State University* *DNP Indiana Wesleyan University*	**DATTA, ARUN K** *Chemistry* *BS University of Utah* *MS Auburn University* *PhD University of Utah*
BEALS, GAYL *Automotive* *DNP Indiana Weslyan* *BS, MA Ferris State University*	**DO, HIEU** *Mathematics* *BS Eastern Oregon University* *MS, PhD Oregon State University*
BENDER, NATHAN *Machine Technology* *BS Ferris State University* *MA Western Michigan University*	**ENRÍQUEZ, ISMAEL** *Spanish* *BA Grand Valley State University* *MA University of Toledo*
BENSON, HOLLIE *College Success Center - Reading* *BA University of Michigan* *MEd Grand Valley State University* *ACUE Certified in Effective Online College Instruction*	**EVANS, REBECCA L** *English* *BA, MA Western Michigan University*
BUDIMIR, NICHOLAS *Sociology* *BA University of Michigan* *MA Wayne State University*	**GREENE, DARRYL** *Business* *BA Dakota Wesleyan University* *MBA Heidelberg University*
BURRELL, KARIN *Mathematics* *BS, MA Western Michigan University* *ACUE Certified in Effective College Instruction*	**GRUBE, DEBRA** *Respiratory Therapy* *BSRT University of South Alabama* *MSM Cornerstone University* *ACUE Certified in Effective College Instruction*
BURRIS, YOLANDA *Nursing* *ADN West Shore Community College* *BSN University of Phoenix* *MSN University of Phoenix* *DNP Chamberlain University*	**HAYES, SHAUNA** *English* *BA Grand Valley State University* *MA College of Charleston*
CHELESVIG, TREFNY *Counseling* *BA University of Northern Iowa* *MA Western Michigan University*	**HAYES, SYLVIA M** *Counseling, LPC, NCC* *BA Western Michigan University* *MA Michigan State University*
HERRINGTON, AMY *Nursing* *ADN, BSN, MSN Ferris State University* *ACUE Certified in Effective Online College Instruction*	**KORATICH, JOANNE** *Mathematics* *BS Kettering University* *MA, MS Georgia Institute of Technology*
HOFFMAN, ERIN E *Art* *BFA University of Northern Iowa* *MFA University of Georgia*	**KNUE, KEEGAN** *Respiratory Therapy* *BA Grand Valley State University* *MBA Southern New Hampshire University*

FACULTY

JEWELL, RONNIE D JR *English* *BA High Point University* *MA Western Michigan University*	**KROLL, ELIZABETH** *Nursing, CMSRN* *BSN Wayne State University* *MSN Michigan State University*
JOHNSON, MICHAEL C *English* *BA Michigan State University* *MA Western Michigan University* *ACUE Certified in Effective College Instruction*	**KUMPF, AMBER** *Geology* *BS Michigan Technological University* *MS University of Rhode Island*
JOHNSON, HEATHER *Medical Assistant* *BS Ferris State University* *MSN Capella University* *ACUE Certified in Effective Online College Instruction*	**KYSER, KEVIN** *Graphic Design* *BFA Grand Valley State University*
JOHNSTON, JEFFERY *Computer Aided Design* *BS, MS Michigan State University*	**LARSON, JONATHAN** *Electronics* *BS Electrical Engineering Kettering University* *BS Mechanical Engineering Kettering University* *MS Engineering Kettering University*
JONES, JENNIFER *Education* *BBL Baker College* *MEd Grand Valley State University* *ACUE Certified in Effective College Instruction*	**LIEFER, KATHLEEN** *Advanced Technology* *BS Michigan State University* *MS Western Michigan University*
KENDALL, SCOTT *Biology* *BS Central Michigan University* *MS University of Georgia*	**LOCKARD, MEGAN** *Center for Teaching and Learning* *BA, MA Grand Valley State University* *Ph.D. New Mexico State University*
KILBURN, MICHAEL *Math and Science* *BS Northern Michigan University* *PhD Michigan State University* *ACUE Certified in Effective College Instruction*	**MACAULEY, SHAWN P** *Biology* *BS, MS, PhD University of Florida* *College of Medicine* *ACUE Certified in Effective College Instruction*
KLINGENBERG, JENNIFER L *English* *BA Lake Superior State University* *MA Northern Michigan University* *ACUE Certified in Effective College Instruction*	**MANIATES, GEORGE** *History* *BA University of Wisconsin - Madison* *MA DePaul University*
MEEUWENBERG, JON B *College Success Center Math* *AS Muskegon Community College* *BS, MEd Grand Valley State University* *Ed.D. Ferris State University*	**MASON, KIM** *Nursing* *BS University of Phoenix* *MS Michigan State University*
MEYERS, DANIEL M *Music/Humanities* *BA University of Michigan* *MA Central Michigan University*	**MATTONE, DARREN C** *Biology* *BS, MEd Aquinas College* *MS Columbia University*
MOLESKI, TOBIAS B *Physics* *BS Grand Valley State University* *MS Oregon State University*	**RODKEY, EVIN** *Social Sciences* *BA Indiana University* *PhD University of Illinois at Chicago* *ACUE Certified in Effective College Instruction*
NONNEMACHER, GARY S *Mathematics* *BA Cedarville University* *MS Miami University* *MEd Ohio State University*	**RORICK, LES (JAMES)** *Theater* *BA Biola University* *MFA University of Virginia* *ACUE Certified in Effective College Instruction*

FACULTY

PALMER, NICHOLAS *Arts & Humanities* *BA University of Chicago* *MA University of Chicago* *ACUE Certified in Effective College Instruction*	**RYPMA, DAN E** *Physical Education/Recreation* *BS, MS Grand Valley State University*
PARIS, ALLYSON *Theater* *BA Bradley University* *MFA University of Hawaii*	**SHARP, GEORGE** *Counseling, LLC* *BA Northern Arizona University* *MEd Grand Valley State University*
PLATT, DAWN *Medical Assistant* *ADN Baker College* *BSN Ferris State University* *MSN Capella University*	**SHAUGHNESSY, JASON** *HPER* *BA Western Michigan University* *MA Azusa Pacific University* *ACUE Certified in Effective Online College Instruction*
POLLOCK, KATHY R *Biology* *BS Oakland University* *MS, MA Michigan State University* *ACUE Certified in Effective Online College Instruction*	**SOMERVILLE, JOSHUA** *Nursing, RN* *BSN, Lake Superior State University* *MSN Grand Canyon University*
RIBBE, LISA *Counselor, LPC* *BS Grand Valley State University* *MA Western Michigan University*	**SPANIOLO-DEPOUW, ANGELA** *Psychology* *BS, MA Central Michigan University* *EdD Eastern Michigan University*
RIGGS, JENNIFER *Respiratory Therapy* *BA Ferris State University* *MEd Ferris State University* *ACUE Certified in Effective College Instruction*	**STUCKY, JESSICA** *Psychology* *BA Franciscan University of Steubenville* *MA University of West Georgia*
RODDY, CONOR *Philosophy* *BA Trinity College* *MA University of Hawaii at Manoa* *PhD University of Texas at Austin*	**SUMERIX, THOMAS** *Welding* *AAS Muskegon Community College* *BS Western Michigan University* *M.Ed. Concordia University*
VANOOSTERHOUT, CHRISTOPHER T *Business/Computer Information Systems* *BSBA, MBA Cornerstone University*	**SYTSEMA, REBECCA** *Nursing* *BSN Calvin College* *MSN Grand Valley State University*
VERHOEVEN, MARK *Business* *BCS, MBA Baker College* *ACUE Certified in Effective Online College Instruction*	**TRUAX, JONATHAN C** *Astronomy/Mathematics* *BS Grand Valley State University* *MS Michigan State University*
VOUGHT, LANCE *Business* *BS Eastern Michigan University* *MA Eastern Michigan University* *JD University of Toledo* *MS University of Oregon*	**VANDERZANDEN, HEATHER** *Nursing, RN* *ADN Westshore Community College* *BSN University of Phoenix* *MSN Michigan State University* *ACUE Certified in Effective Online College Instruction*
WIBLE, ANDREW D *Philosophy* *BA Hanover College* *MA Ohio University* *PhD Wayne State University*	**YORK, SETH** *Counselor LLPC* *BA Aquinas College* *MA Western Michigan University*
WOLFE, JORDAN *Counselor, LLC* *BA University of Michigan* *MA Central Michigan University*	**YOUNG, CLIFFTON** *English/Communications* *BA, MA Grand Valley State University*

ADMINISTRATION - PRESIDENT'S CABINET	
PRESIDENT *Selmon, John* *BS University of Nebraska at Lincoln* *MA, EdD Eastern Michigan University*	**CHIEF MARKETING AND COMMUNICATIONS OFFICER** *Tank, Kristin* *BA Michigan State University* *MA Western Michigan University*
PROVOST & CHIEF STUDENT SERVICES OFFICER	**CHIEF INFORMATION OFFICER** *Wilson, Steve* *BS, MS Ferris State University* *PhD Capella University*
CHIEF FINANCIAL OFFICER *Dick, Beth, CPA* *BA Western Michigan University*	**CHIEF COMPLIANCE AND TITLE IX OFFICER** Janes, Ken BA Kentucky State University MA Grand Valley State University
CHIEF HUMAN RESOURCES OFFICER *Anderson, Kristine* *BS Western Michigan University*	**CHIEF ADVANCEMENT OFFICER** *Samaniego, Sue* *BS, MA Eastern Michigan University*

ADMINISTRATION - EXTENDED LEADERSHIP	
ASSOCIATE DEAN OF WORKFORCE TRAINING & INTERNSHIP SERVICES *Briggs, Stephanie* *BS Grand Valley State University* *MM University of Phoenix* *Ed.D Ferris State University*	**DEAN OF ACADEMIC AFFAIRS** *Rinsema-Sybenga, Dan* *BA Calvin College* *MEd Grand Valley State University*
COUNSELING DEPARTMENT CHAIR *Sharp, George* *BA Northern Arizona University* *MEd Grand Valley State University*	**DEAN OF COLLEGE SERVICES AND ATHLETICS DIRECTOR**
DEAN OF INSTRUCTION AND ASSESSMENT *Breitenbach, Edward* *BA Cornerstone University* *MEd Grand Valley State University* *PhD Western Michigan University*	**DIRECTOR OF FINANCE** *Duff, Bruce* *BA Michigan State University* *CPA*
DEAN OF STUDENT SERVICES *D'Avignon, Patti* *BA Northwood University* *MS, EdD Ferris State University*	**DIRECTOR OF FINANCIAL AID** *Zerlut, Jody* *BS Ferris State University*
DIRECTOR OF ACADEMIC OPERATIONS *Flannery, Cheryl* *BS Grand Valley State University* *MA Central Michigan University*	**DIRECTOR OF HUMAN RESOURCES** *Nichols, Donielle* *BBA Grand Valley State University*
DIRECTOR OF ADMISSIONS *Luker, Sarah* *BA Grand Valley State University*	**DIRECTOR OF INSTITUTIONAL EFFECTIVENESS** *Strauts, Erin* *BA Illinois Wesleyan University* *MA University of Connecticut*
DIRECTOR OF AUXILIARY SERVICES *DeBrot, Stacey* *BS Kaplan University*	**DIRECTOR OF PHYSICAL PLANT** Brian Houts BS, MS Walden University
DIRECTOR OF COMPLIANCE & TITLE IX COORDINATOR *Cooper, Jason* *BA Hillsdale College*	**DIRECTOR OF STRATEGIC INITIATIVES** *Dee, Tina* *BA, MS Grand Valley State University*
	DIRECTOR OF STUDENT SUCCESS *Sanocki, Steve* *BA, MA Aquinas College* *Ph.D. Western Michigan University*
	DIRECTOR OF USER SERVICES *Pickard, Candy* *AAS Muskegon Community College*

GOVERNANCE

MCC is governed by a seven-member Board of Trustees who are elected for six-year terms on an "at large" basis from throughout the district (Muskegon County). The College's chief executive is the President, appointed by the Board of Trustees. Serving the institution at the 2023 printing of this catalog are the following persons:

About Muskegon Community College

The fourth oldest community college in Michigan, Muskegon Junior College was established in 1926 by the Muskegon Board of Education.

Originally housed in Muskegon Senior High School, enrollment had grown beyond capacity by 1934. The Junior College moved into the former Hackley School in downtown Muskegon across from Hackley Park. The building was presented to Muskegon Public Schools by its namesake, local businessman and philanthropist Charles H. Hackley.

Post-World War II enrollment quickly climbed, and the campus had to grow accordingly. The Muskegon Board of Education, which still operated the College, utilized available space in many of its buildings and rented other community facilities when enrollment exceeded the capacities of those buildings.

Until June 1951, Muskegon Junior College was primarily geared to those students intending to complete at least four years of college. After an enabling act by the Michigan Legislature, the name and educational scope of the College changed. Muskegon Junior College was renamed Muskegon Community College to reflect the expanded nature of the College's programs.

The College now served a larger number of students with a wider variety of interests. Courses were added in retailing, the vocations, the technical fields, public health, and the trades. These courses enabled young men and women to prepare themselves for a specific field of employment with their two years of training beyond high school.

By the early 1960s, enrollment had topped 2,000. The College was operating full-time at Hackley, Vanderlaan, and Wilson schools and part-time at eight other locations. The Board of Education formed a Special Citizens Committee to study the entire program and make recommendations. The Committee proposed that the College be separated from the public school system; that a county- wide community college district be created and a board of trustees be elected to plan, build, and operate the school; and that a millage be voted in sufficient amount and for enough years to build and operate the College.

In April 1963, Muskegon County overwhelmingly approved the recommendations of the committee and elected the first Board of Trustees, which went to work immediately and by September had purchased the tract of land upon which the College exists today.

Alden B. Dow and Associates was named as the architect. By the summer of 1965, drawings were completed and construction had begun. The Vocational Technical Wing was finished and occupied in the fall of 1966. The following September the entire complex was placed in service. Formal dedication ceremonies were held October 22, 1967.

The first addition to the new campus was the Frauenthal Foundation Fine Arts Center, which was completed in 1968 and named for A. Harold Frauenthal, the Muskegon industrialist whose gift made the Center possible.

When the new district was created, the name of the College was changed to Muskegon County Community College. In the spring of 1969, at the request of the Board of Trustees, the State Board of Education approved changing the name once again to Muskegon Community College.

In January 1995, a new era of educational opportunity opened with the completion of the Center for Higher Education addition to provide upper-level courses and programs offered by Ferris State, Grand Valley State, and Western Michigan universities. The 90,000 square foot facility, named in honor of former MCC President James L. Stevenson, is home to classrooms, a lecture hall, MCC-TV, Graphics and Printing.

In January 2006, the 40,000 square foot Hendrik Meijer Library Information Technology Center was added to the main building to offer students and the community the latest in communication capabilities, including wireless internet access, state-of-the-art library facilities/technologies and classrooms, and an internet café .

In 2012, MCC and the Muskegon Area Intermediate School District (MAISD) launched the Early College of Muskegon County offering select high school students an intense five-year program leading to both a high school diploma and an associate degree. The concept was expanded and MCC offered Early College of Newaygo County, North Ottawa County Early College and South Ottawa Early College.

In November 2013, Muskegon voters approved $24 million to support four MCC facilities expansion projects outlined in the College's 2010-2015 Master Plan. MCC signed a purchase agreement in September 2014 to acquire the former Muskegon Chronicle building and an adjacent parking lot for a downtown campus. In December 2017, the Peter and Carolyn I. Sturrus Technology Center opened as the new home to MCC's Applied Technology programs as well as to MCC's Experiential Learning Program.

In June 2015, local developer Jonathan Rooks donated the former Masonic Temple to MCC for its Entrepreneurial Studies program and related business-generating activities. Nick Sarnicola, a West Michigan native and highly successful entrepreneur, created a $200,000 permanent endowment through his Next Gen Foundation to the Foundation for Muskegon Community College. The funds support an annual $10,000 cash award for the best business idea generated by an MCC entrepreneurial program graduate. The Rooks-Sarnicola Entrepreneur Institute opened in June 2018 and is home to the Lakeshore Fab Lab.

In August 2015, MCC opened its $9.6 million Science Center, home to the MCC Life Sciences Department and the College's biology labs and research areas. The facility earned the Leadership in Energy and Environmental Design (LEED) Gold Certification - one of only four buildings in Muskegon to have received this high honor – for its sustainable strategies used in its design and construction.

The same year, MCC purchased the Muskegon Family YMCA's West Western Avenue property on Muskegon Lake. The former YMCA facility was re-opened in 2016 as the MCC Lakeshore Fitness Center. In February 2021, the Boys & Girls Club of the Muskegon Lakeshore Board of Directors voted unanimously to approve the purchase of the Lakeshore Fitness Center as the new home for its youth and teen Clubhouse.

In November 2018, the 52,000 square foot MCC Health and Wellness Center opened on the main campus. The facility houses the College's Health, Physical Education and Recreation Department; the Medical Assistant Program; the Athletic Department Office; a state-of-the-art Health Simulation Lab; the Ron Gaffner Multipurpose Room; a gymnasium; a running track; and a fitness center.

In August 2019, the $9 million renovation project that transformed the vacated Applied Technology Building into a state-of-the-art Art and Music Building was completed.

Building upon its more than two decades of offering classes in Grand Haven, MCC opened its Ottawa Center there in 2019. The College also offers courses in Ottawa County in Holland and Coopersville, and in Newaygo County at NCRESA.

MCC earned acclaim as a national trailblazer in student success as an Achieving the Dream (ATD) Leader College from 2015 to 2021. MCC was named the top-ranked Michigan community college in 2017 by BestColleges.com for its gainful employment, graduation rates, and earnings outcomes.

In 2021, MCC was ranked as the 19th best community college in the United States and best choice nationally for community college nursing programs by Intelligent.com. MCC has earned acclaim as a national trailblazer in student success as an Achieving the Dream Leader College.

In 2023, MCC was recertified as an ATD Leader College. MCC is also consistently recognized as a Veteran-Friendly School by the Michigan Veterans Affairs Agency and for its Licensed Practical Nurse (LPN) program.

Most recently, MCC outranked all other colleges in Michigan for the rate of students who received federal financial aid and then transferred to continue their education at a four-year institution. The college's 34% transfer-out rate was the highest in Michigan, 7 percentage points above the state average, and outpaced the average transfer rate across the nation.

HONORS COURSES

Muskegon Community College offers Honors credits to eligible students in an attempt to add an extra dimension to the education of academically motivated students.

Honors options will permit you, if eligible, to earn an additional credit in certain MCC courses. To earn this additional credit, you must complete the requirements outlined by the instructor.

The basic purpose of honors options is to enable instructors to make challenging and enriching assignments for students to gain a more sophisticated knowledge of the discipline. The additional work required on the student's part should typically require an average of two to three hours per week during the semester.

You may register for honors options when you receive instructor permission. Registration for the honors options can take place up to two weeks after the semester begins to allow time for you to meet with your instructor to discuss the requirements of your Honors coursework. Note: exceptions can be made for students to register for an honors class up to four weeks after the semester starts, but the honors class will not be eligible for financial aid if added after the two-week period.

If you earn a B or better in both the regular course and in your Honors credit, you'll be reimbursed for the tuition you paid for the Honors credit after grades are posted. (The reimbursement process will take several weeks after semester grades are due.)

You will receive separate grades on your transcript for the regular course and for the one-credit honors course. Honors options are designated on your transcript as "HON" after the course number.

For additional information, contact the Office of Academic Affairs by email at academicaffairs@muskegoncc.edu or by calling (231) 777-0254.

OFFICE OF INFORMATION TECHNOLOGY

Room 1031

MCC students should call the Student Technology Helpdesk at (866) 718-5170 for all technology- related issues. The technicians at the Student Helpdesk are specially trained to work with students' technology needs and are available 24/7/365.

Our Mission

Muskegon Community College, dedicated to excellence, prepares students, builds communities, and improves lives.

Our Vision

An educated, thriving community.

Introduction

Aspiring To Be The Best, Muskegon Community College's five-year Strategic Plan, focuses on increasing access to higher education and becoming an excellent place to learn and grow. Students come to MCC for many reasons: to finish an associate degree and transfer to a four-year university, to complete a certificate or degree to enter the workforce, to build skills for career advancement, to enrich the experience of high school, to engage in learning for the joy of learning, and, sometimes, to explore varies career paths. Whatever your reason for choosing MCC, please know that you, your goals, and your MCC experience are vitally important to us. We have many educational and career pathways, and we have many people and services in place to help you select the one that is best for you, support you as you start and stay on your path, and celebrate with you as you complete important milestones. Every member of the MCC community, from facilities staff to the college president, will be rooting for you when times get tough, when things are going well, and when you have accomplished all you came to do at MCC. Located near the shores of Lake Michigan, MCC is a vital part of a growing community, providing learning opportunities on our main campus, at our Sturrus Technology Center in downtown Muskegon, our Ottawa Center in Grand Haven, and at our off-campus locations in Ottawa and Newaygo Counties. MCC also offers many online and hybrid classes, with synchronous and asynchronous options.

Accreditation

Muskegon Community College is accredited by the Higher Learning Commission, 230 S. LaSalle Street, Suite 7-500, Chicago, Illinois, 60604. The Commission may be contacted by phone, (800) 621-7440, by fax, (312) 263-7462, or by email, info@hlcommission.org. They may also be contacted online at www.hlcommission.org. Interested persons may review a copy of the accreditation documents online at www.muskegoncc.edu/academic-affairs/accreditation.

Petitions Committee

The Petitions Committee, a standing committee of the Student Services Council, is composed of faculty members, staff, and students. The Committee exists to consider the appeals of students with respect to any MCC rule, regulation, or grade. All refund appeals must be received no later than one semester from the last date of the semester being appealed, or for grade appeals, one year from the date the grade was officially recorded. Special considerations will be given on a case-by-case basis outside of the application deadline. Forms are available on the MyMCC or at the Student Welcome Center. All appeals must be submitted at least one week prior to the scheduled meeting to be reviewed. The Committee meets on the third Tuesday of each month to consider requests submitted. The Student Services Council has empowered the Petitions Committee to take direct action in the following: Final Grade/Attendance Appeals, Residency Change Appeals, Tuition Refund Appeals Due to Course Related Issues, Tuition Refund Appeals Due to Verifiable Error of MCC, Tuition Refund Appeal and Withdrawal Illness (WI), and Tuition Refund Appeal and Withdrawal Military (WM).

Right-to-Know

Legal completion persistence rates

For the latest graduation rate and other performance-related data of MCC, please see the college dashboard at www.muskegoncc.edu/dashboard.

To get more information on MCC's tuition and price of attendance relative to other colleges, you can visit the College Affordability and Transparency Center of the US Department of Education at https://collegecost.ed.gov/.

STUDENT HONOR SOCIETIES

Phi Theta Kappa *Room 1055*

Phi Theta Kappa is the international honor society for community college students. Eligibility requirements include:

- Earn 12 or more 100-level college credits at Muskegon Community College OR six or more 100-level college credits at MCC if in a certificate program
- Earn and maintain a 3.25 GPA or higher
- Be currently enrolled

Interested students can contact advisors at PTK@ muskegoncc.edu.

Sigma Kappa Delta *Room 1003*

Sigma Kappa Delta (SKD) is the national English honor society for two-year colleges. Membership in SKD's Sigma Zeta Chapter at Muskegon Community College is open to two-year college students of any major who meet the following criteria:

- Currently enrolled at Muskegon Community College
- Completed a minimum of one college level course in English language or literature, excluding developmental or remedial courses
- Earned a grade of "B" or better in all English classes
- Have a minimum grade point average of 3.0 (on a 4.0 scale) in general scholarship
- Have completed at least one semester or two quarters of college coursework for a cumulative of 12 semester hours
- Pay the one-time $40 membership fee

Gamma Theta Upsilon (Geo Club) *Room 2316*

Gamma Theta Upsilon is an international honor society in geography. The MCC GTU Chapter is called Geo Club. Students interested in furthering their professional training in geography through academic experiences (other than those of the classroom and laboratory) may be interested in joining.

GTU is open to two-year college students of any major who meet the following criteria:

- Currently enrolled at Muskegon Community College
- Completed a minimum of one college-level course in English language or literature, excluding developmental or remedial courses
- Earned a grade of "B" or better in all English classes
- Have a minimum grade point average of 3.0 (on a 4.0 scale) in general scholarship
- Have completed at least one semester or two quarters of college coursework for a cumulative of 12 semester hours
- Pay the one-time $X membership fee

Services for the Community

The College offers courses, workshops, seminars, and special events to meet the lifelong learning needs of the community. These non-credit educational offerings emphasize career development, personal growth, cultural enrichment, and the solution of community problems.

Alumni Relations

MCC is very interested in maintaining life-long relationships with alumni. Former students are encouraged to keep Alumni Relations informed as they earn additional degrees, move, accept new jobs, get married, or reach other milestones. Updates can be sent to Alumni Relations at (231) 777-0571 or alumni@muskegoncc.edu. Alumni and other community members are invited to receive a free subscription to Reflect magazine; simply contact the Alumni Relations office to be included in the mailing list.

The MCC Alumni Relations Committee holds an Alumni Awards Dinner annually before Commencement and celebrates two awards given to select alumni. The Distinguished Alumni Award is the highest honor that Muskegon Community College bestows upon an alum. The award salutes the achievements of outstanding alumni whose personal lives, professional achievements, and community service exemplify the objectives of their alma mater. The Alumni Achievement Award honors those alumni within 15 years of graduation who have made their mark in the world with professional achievement.

Award recipients are selected based on the following criteria:

- **MCC College Career** - The nominee must have earned an associate's degree, certificate, or completed a minimum of 50 credit hours at Muskegon Community College and have demonstrated a record of excellence in academics and extracurricular participation.
- **Professional Achievement** - The nominee must have distinguished himself or herself through achievement or advancement in his or her career, earned degrees, professional training, professional recognition and/or outstanding contributions to his or her field.
- **Service to the Community** - The nominee shall have demonstrated a record of community participation and involvement.
- **Advocacy of Higher Education** and/or support of MCC - The nominee shall have a successful record in one or both of these areas.
- **Availability** - In addition to the above criteria, the nominee must be available to attend the Alumni Awards dinner and participate in the commencement ceremony.

For more information about these alumni awards, Reflect magazine, or other ways to engage with the MCC alumni community, please contact us at alumni@muskegoncc.edu or visit www. muskegoncc.edu/alumni.

Center for Theater

The Center for Theater operates with the Arts and Humanities Department. It provides theater classes for MCC students as well as a diversified schedule of performances. Performances are presented on the Overbrook Theater stage and include a season of plays produced by the Overbrook Players, music and dance concerts by the MCC Music and Dance Departments, and various lectures, speakers, and performers. The Center for Theater offers something for every MCC student, whether it be the development of artistic talents, investigation of a career in professional theater, or simply the enjoyment and excitement of a live performance. All MCC students are encouraged to participate in the activities of the Center.

Continuing Education

The Continuing Education Office provides lifelong learning opportunities to meet the needs of the community. These non-credit classes emphasize professional development, personal enrichment and community outreach. These courses are offered on campus, as well as online.

- **Continuing Education Courses**: Selected courses developed, offered on campus, as well as online to enrich your life, learn new information, or earn a certificate of completion.
- **State Continuing Education Clock Hours (SCECHs)** may be earned by professionals who require regular certification upgrading. Trainings or professional development workshops, approved by the State of Michigan Department of Education, may be arranged by calling 231-777-0456. Your program must be approved by the State of Michigan and MCC before you begin your training.
- **Continuing Education Unit credits (CEUs)** may be offered for professions that require regular upgrading for certification. Special seminars to meet the training needs of specific organizations can be arranged by calling at (231) 777-0456.

Information about courses, workshops, seminars, and special events can be viewed online at www.muskegoncc.edu/ce.

The Foundation for Muskegon Community College

The Foundation for Muskegon Community College helps Muskegon Community College (MCC) achieve its mission by devoting financial resources to strengthen the high quality education that benefits every MCC student. Contributions allow us to build and renovate facilities, expand academic programs, purchase instructional equipment, provide scholarships, and overall advance the mission of Muskegon Community College. For more information about the Foundation, joining the Foundation Board, or supporting our fundraising efforts, please contact us at foundation@muskegoncc.edu or visit www. muskegoncc.edu/foundation.

Workforce Development

The Muskegon Lakeshore area has a long history of creating prosperity for residents through meaningful employment. MCC's Workforce Development continues this proud tradition. Workforce Development offers businesses connections to many services including custom training, internships and technical related apprenticeships. For information as to the various services available, visit the Workforce Development website as www. muskegoncc.edu/workforce-training/ or contact Stephanie Briggs, Associate Dean of Workforce and Talent Development in the Sturrus Technology Center, at (231) 777-0456 or stephanie.briggs@muskegoncc.edu.

Accounting Department

Accountants and auditors are in high demand with a projected job growth of 10 percent from 2016 to 2026. Accountants and auditors prepare and examine financial records. They ensure that financial records are accurate and that taxes are paid properly and on time. Accountants and auditors assess financial operations and work to help ensure that organizations run efficiently. Most employers require a candidate to have a bachelor's degree in accounting or a related field. Certification within a specific field of accounting improves job prospects. For example, many accountants become Certified Public Accountants (CPAs). The national median annual wage for accountants and auditors was $69,350 in May 2017

Programs

ACCBK.AAS - Accounting and Bookkeeping Services- A.A.S.

Courses

ACC100 - Fundamentals of Accounting

ACC201 - Principles of Accounting I

ACC202 - Principles of Accounting II

ACC206 - Quick Books Computerized Accounting

ACC220 - Federal Taxation I

Alternative & Renewable Energy Department

Energy is a big part of our lives. It is purchased and used in the forms of electricity, automotive fuel, and heating fuel. A lot of the sources include fossil fuels, carbon based structures. Many of the decisions for production and use are based on economics – but there is a renewed interest of looking into other aspects of energy production and fuels used. Carbon footprint, availability of resources, contribution to the greenhouse effect, health impacts, small scale independence, and total efficiency are some of the areas of interest.

It is important for students to understand current production methods as well as alternative methods – of which some use renewable resources. With data and understanding of processes and total costs, informed decisions can be made regarding viability as well as more effective methods and outcomes. The study of electricity production, bio fuels, aerobic and anaerobic processes for fuel production – as well as energy efficiency measures – are all very important for energy professionals, technicians, scientists, and those that implement various technologies in structures and vehicles.

Courses

ARE115 - Wind Turbine & Solar Array Installation

ARE115HON - Alt & Renewable Energy Honors

American Sign Language Department

American Sign Language is the fourth fastest growing foreign language in the US. During this course you will learn ASL grammatical structure, signed vocabulary, fingerspelling, non-verbal elements, and Deaf Culture. Students learning the basis of American Sign Language can use their skills in numerous career settings, especially those wanting to pursue a career in Sign Language Interpretation.

Courses

ASL101 - American Sign Language I

ASL102 - American Sign Language II

ASL102HON - American Sign Language Honors

Anthropology Department

"Anthropology is the study of humans, past and present. To understand the full sweep and complexity of cultures across all of human history, anthropology draws and builds upon knowledge from the social and biological sciences as well as the humanities and physical sciences. A central concern of anthropologists is the application of knowledge to the solution of human problems. Historically, anthropologists in the United States have been trained in one of four areas: sociocultural anthropology, biological/physical anthropology, archaeology, and linguistics. Anthropologists often integrate the perspectives of several of these areas into their research, teaching, and professional lives." American Anthropological Society Job Opportunities: Anthropologists find good jobs in a number of sectors, from colleges and universities to government agencies, nongovernmental organizations, businesses, and health and human services.

Courses

ANTH103 - Cultural Diversity in Contemp. Society

ANTH103HON - Anthropology Honor Credit

ANTH105D - Intro to Phys Anthropology/Archaeology

ANTH105DHON - Intro Phys Anthropology & Arch Honors

ANTH110 - Introduction to Cultural Anthropology

ANTH110HON - Physical Anthropology-HONORS

Applied Manufacturing Tech Lab Department

Applied Manufacturing Technology Lab (AMT) specializes in advanced manufacturing processes. This area focuses on providing hands-on experience and training in modern manufacturing techniques and technologies. AMT is designed for students, engineers, and industry professionals to learn about the latest manufacturing processes, design principles, and problem-solving skills.

Programs

ENGBI.AAS - Biomedical Engineering Technology

Courses

MT218 - 5-Axis CNC & CMM

Art Department

Since 2007, seventeen MCC art students have won significant scholarships totaling nearly $160,000 to attend Kendall College of Art and Design in Grand Rapids. These scholarships were awarded based on the strength of their MCC art portfolios.

MCC art students also successfully transfer to many other colleges, universities, and art academies all across the country. These include: the School of the Art Institute of Chicago, Western Michigan University Frostic School of Art, the University of Michigan School of Architecture, the School of Visual Arts in New York City, the College of Creative Studies in Detroit, and Grand Valley State University.

Former MCC art students are now engaged in varied successful careers. These include: architects, studio art teachers, museum professionals, gallery owners, ceramicists, graphic designers, animators, fashion designers, sculptors, digital illustrators, industrial designers, filmmakers, painters, interior designers, cartoonists, printmakers, furniture designers, and art historians.

Programs

DMUS_CERT - Digital Music/Audio Production

EVART.AAS - Visual Art Entrepreneurial - A.A.S

Courses

ART100A - Art Appreciation

ART104 - Drawing I

ART104HON - Drawing I Honors

ART105B - Two-Dimensional Form and Surface

ART106B - Beginning Printmaking: Relief & Monotype

ART107 - Painting I

ART108 - Ceramics I

ART109 - Sculpture I

ART117 - Three-Dimensional Form and Space

ART118 - Beginning Printmaking Intaglio

ART198 - Art History I: Ancient Art - Renaissance

ART199 - Art History II - Renaissance Art/Modern

ART202 - Contemporary Art History

ART202HON - Contemporary Art History-Honor

ART204B - Drawing II (Transfer Portfolio Prep)

ART207 - Painting II

ART208 - Ceramics II

ART209 - Sculpture II

ART214 - Photography 35MM Black/White

ART215 - Intermediate Photography

ART220 - Figure Drawing

ART220HON - Figure Drawing - HONORS

ART240 - Professional Practices in Art

ART250 - Gallery/Collection Practicum

ART290CI - Cooperative Internship

Astronomy Department

This course will help meet science requirements for a college degree. For a person majoring in Astronomy, they will be well equipped to move into a junior level course at transfer institution. The students will learn to identify the contents of the known universe and their currently accepted place in it. Their knowledge will be tested through exams, quizzes, and a variety of homework assignments. Students will understand the scientific method and the differences between a hypothesis, theory, and law as they are presented with astronomical discoveries and interpretations from the history of this science. Students will perform field projects designed to engage the real universe in which they collect specified astronomical data, analyze it, and present findings in a written project. Students will clearly communicate current viable arguments and present clear reasoning on a variety of recent astronomical discoveries, through written exam essay questions. Students will be exposed to a number of ideas from related fields such as physics, chemistry, geology, geography, and philosophy. They will see connections between these fields and will clarify and justify some of their own beliefs about how the universe began.

Courses

ASTR101 - General Astronomy

ASTR105A - Cosmology

Automotive Tech Department

You love the sound of a finely tuned engine, you love cars. You want to know how to make a car run well and repair it properly. Your passion can become a great paying, fulfilling career. The Muskegon Community College A.A.S. degree in Automotive Technology is a blend of scientific examination and practical application. You will become skilled in theory, operation, diagnosis, testing and repair of the modern automobile.

Programs

AUTE_CERT - Automotive Technician Certificate

AUTO.AAS - Automotive Technology-Associate in Applied Science

Courses

AT114 - Automotive Power Plants - Engine

AT160A - Automotive Air Conditioning

AT120 - Introduction to Electrical Systems I

AT210 - Power Trains (Manual Drive Trains)

AT121 - Electrical Systems II

AT211 - Automatic Transmissions

AT122 - Fuel Systems and Emission Controls

AT212 - Alignment and Suspension

AT123 - Engine Tune Up (drivability)

AT214 - Service Management

AT123HON - Electrical-Tune Up Honors

AT214HON - At-214 Honors

AT140 - Hybrid and Alternative Fuel

AT223 - Advanced Engine Performance

AT150A - Automotive Brakes

AT230 - Automotive Service

Biology Department

Why study biology? If you have ever asked any of the following questions, you should take a biology course.

- **Which courses are the foundation for a degree in biology? (BIOL 130, BIOL 131)**
- **Why and how do we have so many different species? (BIOL 113)**
- **What is this illness or organ that my doctor is explaining to me? (BIOL 113, BIOL 115, BIOL 152, BIOL 207, BIOL 252)**
- **How can I improve my food preparation for my family? (BIOL 109, FS 101)**
- **How can small cells such as bacteria grow, replicate, and cause illnesses? (BIOL 207)**
- **I like going outside but what courses have field trips? (ENV 110)**
- **What type of foodborne illnesses can make me sick? (BIOL 109, BIOL 207)**
- **Biology courses are critical for careers in biology, molecular biology, microbiology, genetics, biochemistry, botany, ecology, fish and wildlife, natural resources, agriculture, animal science, earth science, horticulture, marine biology, and especially any career in the medial and health fields, including nursing.**

Programs

AGRIC.AAS - Agriculture AAS

FOPRT.AAS - Food Processing Technology AAS

FOODS_CERT - Food Science Certificate

UFMGM.AAS - Urban Forest Management

Courses

BIOL101BELH - ICS Belize -HONORS

BIOL281 - Applied Research in Biology II

BIOL103HON - BIOL-103 HONORS

BIOL281HON - Applied Research-Honors

BIOL105CSUP - BIOL 105C 1 CREDIT LAB

BIOL297ARM - Research Methods in Biology

BIOL105LABS - Biol-105labsup

BIOL299BE - Biological Evolution

BIOL110LAB - Environmental Science Lab

BIOL299M - Anatomy & Physiology Lecture

BIOL115 - Intro to Anatomy and Physiology

BIOL106L&L - Anatomy and Physiology II

BIOL115HON - Intro to Anatomy & Physiology Honors

BIOL106L&LH - Anatomy & Physiology II Honors

BIOL115L - Introduction to Anatomy & Physiology Lab

BIOL109L&L - Food Technology

BIOL121HON - Plant Biology Honors

BIOL113L&L - Introductory Biology

BIOL121LAB - Plant Biology Laboratory

BIOL121L&L - Plant Biology

BIOL121LEC - Plant Biology Lecture

BIOL130L&L - General Biology I

BIOL152HON - Human Anatomy Honors

BIOL131L&L - General Biology II

BIOL152LAB - Human Anatomy Lab

BIOL152L&L - Human Anatomy

BIOL152LEC - Human Anatomy Lecture

BIOL252L&L - Human Physiology

BIOL152SUP - Human Anatomy-Supplemental Instruction

BIOL252L&LH - Human Physiology-Honors

BIOL200 - Introductory Evolution

BIOL299HRB2 - Herbarium Digitization

BIOL207A - Microbiology Lab

ENV297 - Aquatic Ecology

BIOL207LEC - Microbiology Lecture

ENV110L&L - Environmental Science

BIOL207LECH - Microbiology-Honors

FS101L&L - Introduction to Food Science & Process

BIOL280 - Applied Research in Biology 1

Business Department

With a degree in business you enter the working world with versatility, which can be approached from multiple angles. You will be armed with the knowledge to start your own business, or work for many companies on a variety of levels. This includes inter-related fields, like marketing, research and development, accounting, human resources, advertising, public relations, and so on. Employment of business and financial operations occupations is projected to grow 10 percent from 2016 to 2026, faster than the average for all occupations.

Programs

ADMAC_CERT - Administrative Medical Assistant Certificate

ADOMM.AAS - Administrative Office Management Medical AAS

ADOMG.AAS - Administrative Office Management AAS

BCMP.ASA - Broadcasting/Multimedia/Performance ASA

BCMT.AAS - Broadcasting and Multimedia/Technical - AAS
CUST_PROF - Customer Service Specialist-Professional Development Cred
ENTRE_CERT - Entrepreneurship
EWGD.AAS - Web Game Development Entrepreneur-AAS

EWSD.AAS - Website Development Entrepreneur - AAS
MGMT.AAS - Management-Associate in Applied Science
MKTG.AAS - Marketing-Associate in Applied Science
OFASS_CERT - Office Assistant-Certificate

Courses

ACC203 - Payroll Accounting
BCOM102 - Adv Business & Technical Communications
BUS108 - Introduction to Project Management
BUS114 - Personal Finance
BUS121 - Introduction to Business
BUS122 - Principles of Management
BUS122HON - Prin of Management Honors
BUS123 - Business Law I
BUS125 - Supervision
BUS126 - Business Mathematics
BUS127 - Human Relations
BUS131 - Intro to Entrepreneurship
BUS161A - Effective Selling
BUS162 - Principles of Retailing
BUS166 - Quality Customer Service
BUS167 - Professionalism in Your Career
BUS179 - Keyboarding
BUS180D - Introduction to Word Processing-Part I
BUS181C - Office Procedures I-Document Formatting

BUS182C - Office Procedures II-Document Production
BUS195 - Medical Records Management
BUS200 - International Business
BUS204 - eMarketing
BUS220 - E-Business
BUS222 - Fundamentals of Organizational Behavior
BUS223 - Starting Your Business Plan
BUS240 - Entrepreneurship Capstone
BUS260 - Principles of Marketing
BUS262 - Social Media
BUS263 - Advertising Dynamics
BUS266 - Quality Customer Service II
BUS273A - Human Resource Management
BUS280C - Word Processing - Part II
BUS290CI - Cooperative Internship Program
BUS290CI1 - Cooperative Internship
BUS290CI2 - Cooperative Internship
BUS290CI4 - Cooperative Internship
GRD299UX - Foundations of Ux Design & Implem.

Chemistry Department

Chemistry is the study of matter and energy and the interaction between them. There are many reasons to study chemistry, even if you aren't pursuing a career in science. Chemistry is everywhere in the world around you! It's in the food you eat, clothes you wear, water you drink, medicines, air, cleaners… you name it. Chemistry sometimes is called the "central science" because it connects other sciences to each other, such as biology, physics, geology and environmental science.

Courses

CHEM100A - Chemistry Fundamentals Lab
CHEM100HON - Chemistry-Fundamentals
CHEM100LEC - Chemistry Fundamentals - Lecture
CHEM100LECH - Chemistry Fundamentals Lec - Honors
CHEM101A - General and Inorganic Chemistry Lab
CHEM101HON - Chemistry 101-HONORS
CHEM101LEC - General and Inorganic Chemistry Lecture
CHEM101LECH - General & Inorganic Chem Lecture Honors
CHEM101SUP - Chemistry 101 Fundamentals
CHEM102A - General and Inorganic Chemistry-Lab

CHEM102HON - Chemistry 102-HONORS
CHEM102LEC - General and Inorganic Chemistry-Lecture
CHEM109A - Chemistry for Health Science Lab
CHEM109HON - Chemistry Health Science Honor
CHEM109LEC - Chemistry for Health Science
CHEM201E - Organic Chemistry I - Lecture
CHEM201F - Organic Chemistry I - Lab
CHEM202F - Organic Chemistry-Lecture
CHEM202G - Organic Chemistry-Lab
CHEM299O - Aquatic Inva. Species Research

College Success Seminar Department

Established to help students realize their full educational potential at MCC, Academic Support provides educational courses and educational resources intended to help MCC students improve their study habits as well as their academic skills in math, reading, and writing.

Courses

CSS100A - College Success Seminar

SPA099 - Student Placement Advancement

Communications Department

Communication as an academic field relates to all the ways we communicate: reading, writing, speaking, and listening. It also addresses the essential skills necessary for a successful work and personal life. Whether you're interested in improving your public speaking and relationship skills or you want to have a communication-specific career, MCC has the communication offerings for you. Communication majors may move into fields such as business, advertising, electronic media/radio/television broadcasting, journalism, public relations, theatre and performing arts, government and politics, communication education, healthcare, international relations and negotiations, law, and social services. Many students begin their communication major here at MCC with our courses in Oral Communication, Mass Media, Into to Journalism, Audio Production, Practical Radio, Public Speaking, Intro to Cinema, Television Production, and Social Media.

Programs

COMPW.ASA - Communications Pathway Associate in Science and Arts

Courses

COM101 - Oral Communications
COM101HON - Oral Communications-Honors
COM102 - Mass Media
COM107 - Introduction to Journalism

COM112 - Audio Production
COM113 - Practical Radio
COM201 - Public Speaking
COM201HON - Public Speaking-HONORS

COM203 - Introduction to Cinema
COM203HON - Intro to Cinema-HONORS
COM212 - Television Production

COM290CI - Cooperative Internship
COM290CI1 - Cooperative Internship - 1 Cr.
COM290CI4 - Communication Internship - 4 C

Comp Info Systems/Business Department

Employment of computer and information technology occupations is projected to grow 13 percent from 2016 to 2026, faster than the average for all occupations. These occupations are projected to add about 557,100 new jobs.   This area offers degrees in Technology Support, which is in high demand, and Software Development, which will help students become familiar with several programming languages and prepare students for entry-level positions as programmers and developers.

Programs

CISCO_CERT - Networking CISCO Certificate
CISC_CERT - C/Java Computer Programming-Certificate
CISNS.AAS - Networking and IT Security Associate in Applied Science

CISSD.AAS - Software Development AAS
CISSU.AAS - Information Technology Support - AAS
WEBD.AAS - Web Design-Associate in Applied Science

Courses

CIS100 - Introduction to PC's-Windows
CIS101EW - Intro to Electronic Spreadsheets
CIS102EW - Intermediate Electronic Spreadsheets
CIS104A - Intro to Networks (CISCO 1)
CIS105A - Switching, Routing & Wireless (CISCO 2)
CIS109A - Comptia A+ Part A
CIS110 - Computer Concepts
CIS119PP - Introduction to Presentation Graphics
CIS120A - Intro to Computer Information Systems
CIS142 - Windows Client Administration
CIS143A - Windows Server Admin I
CIS153A - Introduction to Data Base Management
CIS183 - Networking Technologies
CIS185 - 'C' Programming
CIS186 - Python Programming
CIS199 - Internet Content Management Systems Cms

CIS202A - IT SEC & Automation (CISCO3)
CIS204 - CCNA Cybersecurity CISCO 4
CIS209A - Comptia A+ Part B
CIS228 - JavaScript
CIS243 - Telecommunications
CIS250 - Developing Information Systems
CIS253A - Database Design/Implementation
CIS257A - HTML Internet for Web Page Design
CIS258 - Advanced HTML Web Development
CIS267PHP - Server-Side Web Programming Using Php
CIS275 - Linux Operating System
CIS280 - Java Programming
CIS282 - Visual C# Programming
CIS283B - Windows Server Admin II
CIS287A - Digital Video Editing and Production
CIS293A - Network Security

Computer-Aided Drafting/Design Department

Employers are demanding students who can design and build. They spoke. . . . we listened.

CAD (Computer Aided Design) and CNC (Computer Numeric Controlled) programming/machining are separate skilled areas of applied technology. Join the two and you have a new hybrid program that aims to foster the development of flexible, multiple skilled manufacturing workers.

Programmer, Engineer, Manual Machine Operator; CNC Operator; Set-Up Machinist, Machine Repair, Maintenance Machinist, Maintenance Specialist, Tool Room Machinist.

Programs

CADCN.AAS - CAD/CNC-Associate in Applied Science
CADCN_CERT - CAD/CNC-Certificate

CADD.AAS - Computer Aided Design Technology-Aas
CADD_CERT - Computer Aided Design Technology-Certificate

Courses

CAD110 - Introduction to Computer-Aided Drafting
CAD150 - Blueprint Reading
CAD151 - Geometric Dimensioning & Tolerancing
CAD210 - Parametric Design I-Part Modeling
CAD250 - Introduction to SolidWorks 3D

CAD254 - Solidworks II
CAD255 - Introduction to Siemens Nx
CAD260 - CAD CAPSTONE
CAD297SW - Parametric Design-Solidworks

Creative/Perf Arts Dept Department

The Arts and Humanities Department at Muskegon Community College fosters an environment where students explore and develop their artistic and intellectual passions through disciplines such as art, dance, theater, music, humanities, philosophy, and media.

Criminal Justice Department

What is Criminal Justice? Technically, it's a government system designed to withhold practices and institutions in order to maintain social obedience. Muskegon Community College's Criminal Justice program will introduce you to a myriad of career choices such as:

- **Police Officer**
- **Corrections Officer**
- **Deputy Sheriff**
- **U.S. Marshall**
- **Department of Natural Resources Enforcement Officer**
- **Security Guard**
- **Public Safety Officer**
- **Probation Officer**

- **Parole Officer**

Each of these jobs encourages students to tap into their responsive skills of honesty, moral judgment, and responsibility. More important skills developed throughout this course would be maintaining neutral attitudes under pressure, making quick decisions, and working effectively as a member of a team. Students who progress into Criminal Justice fields feel a sense of trust, confidence, and dependability in the courses taken for their careers. Additionally, the Criminal Justice Field has numerous job opportunities available.

Programs

CJCO.AAS - Criminal Justice-Corrections-Associate in Applied Science

CJCO.ASA - Criminal Justice-Corrections-Associate in Science and Arts

CJCO_CERT - Criminal Justice Corrections

CJLA.AAS - Criminal Justice-Law Enforcement- A.A.S

CJLA.ASA - Criminal Justice-Law Enforcement- A.S.A

CJPW.ASA - Criminal Justice Pathway Associate in Science and Arts

Courses

CJ101 - Introduction to Law Enforcement

CJ102 - Police Administration I

CJ104 - Criminology

CJ109 - Crime Prevention & Juvenile Delinquency

CJ110 - Defensive Tactics

CJ201 - Criminal Law

CJ202 - Police Administration II

CJ204 - Criminal Investigation

CJ205 - Interrogation and Case Preparation

CJ206 - Evidence and Crime Procedure

CJ207 - Police and Community Relations

CJ250 - Corrections I

CJ251A - Legal Issues in Corrections

CJ252A - Correctional Institutions/Facilities

CJ257 - Client Relations in Corrections

CJ258A - Client Growth and Development

CJ258ASUP - Client Growth & Dev Supplement

CJ290CI - Cooperative Internship

CJ290CI1 - Cooperative Internship

CJ290CI2 - Cooperative Internship

Dance Department

Dance offers a variety of classes and performance opportunities from the novice to the student planning to major in dance. There are courses in modern dance, social dance, jazz, ballet, choreography/design, and repertory. The Repertory Dance Company has public performances as well as the dance theater and dance performances for the annual Studio on Stage.

Courses

DNC100 - Modern Dance I

DNC101 - Modern Jazz Dance I

DNC102 - Ballet I

DNC106 - Social Dance I

DNC138 - Dance Choreography & Design

DNC200 - Modern Dance II

DNC201 - Modern Jazz Dance II

DNC206 - Social Dance II

DNC210A - Repertory Dance Tour Company

DNC210B - Repertory Dance Tour Company

DNC210C - Repertory Dance Tour Group

DNC210D - Repertory Dance Tour Company

Economics Department

- Both macroeconomics and microeconomics are suitable for economics, social sciences, business administration, and engineering majors.
- The principles of macroeconomics analyzes fiscal and monetary policies by utilizing modern economic theory. Inflation and taxes, full employment, GDP, economic growth, money and banking are some of the topics discussed in the course.
- The principles of microeconomics teaches the basic price theory of the firm. Operation of supply and demand, costs, and revenue functions in the perfectly and imperfectly competitive markets. Markets for both products and factors are analyzed. International finance problems are examined in theory and practice.
- Students can find positions in Wall Street, banks, education, and industry.

Courses

ECON101A - Principles of Macroeconomics

ECON101HON - Prin. of Economics - Honors

ECON102A - Principles of Microeconomics

Education Department

A stepping stone in the State of Michigan towards transferring to a university for completion of a teacher certification this general studies programs allows a student to explore teachable majors and minors of interest. With clear guidance and exploration, this degree is the beginning of a lifelong teaching career. We are here to assist in the foundation principles of the educational process.

Programs

ED.AS - Education-Associate in Science

EDCD.AAS - Child Development Associate-Associate in Applied Science

EDCD_CERT - Child Development Associate-Certificate

EDUC.ASA - Early Childhood Education-Associate in Science & Arts

Courses

ED101B - Introduction to Education

ED109A - Parent-Child Connection

ED111A - Introduction to Early Childhood Edu

ED120C - Anti-Bias Curriculum in Early Childhood

ED202A - Teaching of Reading - Elem. School

ED210 - Child Care and Guidance

ED211A - Behavior Management

ED214A - Infant and Toddler Development and Care

ED216A - Educating Exceptional Children

ED220B - Early Childhood Observation & Assessment

ED225A - Child Development (age 0-8)

ED230A - Children's Literature

ED234A - Educational Psychology

ED252B - Child Development Practicum

ED250A - Human Growth and Learning

Electricity/Electronics Department

Electrical and electronics engineering technicians work closely with electrical engineers. They help design and develop computers, communications equipment, medical monitoring devices, navigational equipment, and other electrical and electronic equipment. They often work in product evaluation and testing, and use measuring and diagnostic devices to adjust, test, and repair equipment. They are also involved in the manufacture and deployment of equipment for automation.

Programs

ELTR_CERT - Electronics Technology-Certificate

INELE_CERT - Industrial Electricity Certificate

Courses

ELTC103 - Residential Wiring

ELTC101AL&L - Electricity-Basic

ELTC104A - Basic Industrial Robotics

ELTC160L&L - Programmable Controllers

ELTC106 - Fire Alarm Systems

ELTR101A - Electronics-Basic

ELTC150 - Industrial Electricity

ELTR102B - Electronics 1: Active Devices

ELTC152 - National Electrical Code

ELTR112A - Digital Electronics I

ELTC203 - Advanced Programmable Controllers

ELTR202B - Industrial Electronic Systems

ELTC204A - Advanced Industrial Robotics

ELTR212A - Biomedical Instrumentation II

ELTC210 - Industrial Communications

ELTR214 - Biomedical Instrumentation I

ELTC220 - Electrical Troubleshooting

Engineering Department

Engineers solve problems! They apply knowledge in STEM to solve practical problems that improve peoples lives. There are many types of engineering fields, Civil, Electrical, Mechanical, Chemical, and Manufacturing are the most common. MCC offers a variety of options for students including two-year degrees and four-year transfer pathways.

Programs

SCIPE.AS - Associate in Science and Pre-Engineering

Courses

ENGR105 - Introduction to Engineering

ENGR204 - Engineering Dynamics

ENGR202 - Statics

ENGR204HON - Engineering Dynamics-Honors

English Department

Writers and authors develop written content for various types of media, including advertisements; books; magazines; movie, play, and television scripts; and blogs. Writers and authors work in an office, at home, or anywhere they have access to a computer. About 2 in 3 writers and authors were self-employed in 2016.

You may earn an Associate's degree at Muskegon Community College to transfer to a four year college/university. A college degree in English, journalism, or communications is generally required for a full-time position as a writer or author. Experience can be gained through internships, but any form of writing that improves skill, such as blogging, is beneficial.

Employment of writers and authors is projected to grow 8 percent from 2016 to 2026, about as fast as the average for all occupations. Strong competition is expected for full-time jobs because many people are attracted to this occupation. The median annual wage for writers and authors was $61,820 in May 2017.

Courses

ENG130HON - Intro to Woman's Studies Honors

ENG218A - Horror, Fantasy, and Science Fiction

ENG200A - Heroes of Early Western Literature

ENG218AHON - Horror, Fant & Sci Fict-Honors

ENG201A - Heroes of Later Western Literature

ENG220 - Graphic Novels

ENG205 - Introduction to Poetry

ENG231 - Themes in Women's Literature

ENG208HON - Introduction to Cinema Honors

ENG231HON - Themes in Women's Studies-Hon

ENG210HON - English 210 - Honors

ENG297GN - The Graphic Novel Experience

ENG216 - Introduction to Film

ENG299RV - River Voices Journal

ENG216HON - Introduction to Film Honors

Foreign Language Dept Department

At MCC, students can study Spanish, French and German. Our country is a bilingual community. Spanish is the second most spoken language in the U.S. Having at least a moderate understanding of a second language enhances your job skills and opens you to other people and cultures.French is one of the world languages used on five continents in more than 40 countries. It is as near to us as Canada, where French is one of the two official languages. Anyone planning on going into business, the arts or many other fields may find French useful. German is a Global Connector. More than 185 million people in the world speak German. It is the most frequently spoken language in Europe and among the top 10 most frequently spoken languages in the world.

Courses

FR101 - Basic French

GER101 - Basic German

FR102 - Basic French

GER102 - Basic German

FR201 - Intermediate French

GER102HON - Basic German-Honors

FR202 - Intermediate French

ICS102ITLY - International Cultural Studies Italy

ICS101GER2 - International Cultural Study-German
SPAN090 - Workplace Conversational Spanish I
SPAN101 - Basic Spanish

SPAN102 - Basic Spanish - Second Semester
SPAN201 - Intermediate Spanish
SPAN202 - Intermediate Spanish

Geography Department

Geography is the spatial study of the earth's surface (from the Greek word *geo*, meaning "Earth," and *graphein*, which means "to write"). The first known use of the word geography was by Eratosthenes of Cyrene (in what we today call Libya in North Africa). Geographers explore the spatial relationships between all physical and cultural phenomena in the world. In a nutshell, Geography seeks to understand where things are located, why they are there, and how they develop and change over time.

The discipline of geography can be divided into main branches:

- Physical Geography- The spatial study of the natural environment: such as the weather, climate, mountains, landforms, soils, rivers, lakes, oceans and living organism.
- Human (Cultural) Geography: The study of human activities and their relationship to the earth's surface. Human Geographers explore the spatial spread of human populations, languages, agriculture, religions, ethnicities, political systems, settlement patterns, etc.

Careers in Geography: Many geographers pursue rewarding careers in education; business; local, state, or federal government agencies; and nonprofit organizations

Courses

GEOG101A - Physical Geography - Lecture and Lab
GEOG101AHON - Physical Geography Honors
GEOG104 - Cultural Geography
GEOG105 - World Regional Geography
GEOG214 - Science of Climate Change
GEOG214HON - Science of Climate Change-Honors
GEOG215 - Introduction to Weather and Climate

GEOG251 - Introduction to GIS
GEOG260 - Geoscience Field Experience
GEOG297D - Science of Climate Change
GEOG297SP - Sustainability and Place
GEOG299IN - Geography Inquiry
GEOG299IN2 - Geography Inquiry

Geology Department

Geology is amazing!! It includes any and all topics that pertain to the study of the Earth. That means anything from sand dunes and coral reefs to pollution and climate change to tsunamis and earthquakes, magma and volcanoes. A basic knowledge of geology is essential for understanding the place we humans call home.

For the average citizen, a basic understanding of geology is important for understanding the risks and hazards of our natural world, like: earthquakes, tsunamis, volcanic eruptions, floods, and landslides. In addition, the average citizen needs to be able to understand some basic geology to be able to better evaluate the drivers behind current events, political unrest, and environmental regulations, such as: legislation regarding carbon dioxide emissions and climate change, 'fracking' and oil production, diamonds and other precious resources used in manufacturing EVERYTHING we use (computers, cell phones, drywall, plastics... the list goes on and on)!

Several classes at MCC focus on different aspects of geology. In physical geology (GEOL101A) you can learn about what materials make up the Earth and what geologic processes control their formation and distribution, as well as an introduction into natural hazards (earthquakes, landslides, etc) and environmental geology (groundwater, contamination, etc). In historical geology (GEOL102) you can learn all about what has happened on Earth in the past, how we know what has happened, and how we might use that information to predict the future. For example, did you know that Pangea is not the only supercontinent that has existed in the past? There have been several and there will very likely be more in the future! In oceanography (GEOL201) you can learn about all aspects of oceanography (physical, geological, chemical, biological) and how these systems interact with one another, particularly in regards to current global concerns like climate change, ocean acidification, and sea level rise.

Courses

GEOL100 - Natural Disasters
GEOL101A - Introduction to Physical Geology
GEOL101AHON - Intro to Phys Geology-Honors

GEOL102 - Introduction to Earth History
GEOL102HON - Intro to Earth History-Honors
OCE101 - Introduction to Oceanography

Graphic Design Department

Graphic Design, Graphic Reproduction and Photography are critical in today's work environment. You see the results of all three disciplines everywhere you go...on the web, on mobile devices, on park benches, in museums, virtually everywhere you go.

These areas of study help prepare you to transfer to a four year degree institution OR go to work as a graphic design specialist upon obtaining your Associates Degree in Applied Science.

Programs

EGRDE.AAS - Graphic Design Entrepreneur
GRDE.AAS - Graphic Design-Associate in Applied Science

GRDV_CERT - Graphic Design Video/Audio Certificate
GRDW_CERT - Graphic Design Web Design Certificate

Courses

GRD101 - Introduction to InDesign
GRD102 - Introduction to Illustrator
GRD103 - Introduction to Photoshop
GRD110 - Principles of Design
GRD120 - Introduction to Graphic Design
GRD140 - Introduction to Typography
GRD160 - History of Graphic Design

GRD205 - UX Design and Implementation Foundation
GRD210 - Graphic Design II
GRD280 - Portfolio Preparation
GRD292 - Graphic Design Studio M
GRD290CI2 - Graphic Design Internship
GRD290CI3 - Graphic Design Internship

Health Education Department

Health Education *(HE)* courses at Muskegon Community College focus on improving community wellness through educational opportunities and guided activity. Students interested in preventative health careers can explore foundational courses in Personal Health, Public Health, Community Health, or Sport/Fitness Specialization (including nutrition). These courses provide knowledge and practical skills to promote healthy lifestyles and disease prevention. By raising awareness and encouraging active participation, MCC helps build a healthier and more informed community.

Programs

EXPW.ASA - Exercise Science Pathway Associate in Science and Arts

Courses

CHW101 - Community Health Worker
HE100A - Community First Aid and Safety
HE102 - Nutrition for Fitness & Sport
HE102HON - Nurtrition for Fitness & Sports Honors
HE106 - Concepts of Health and Well-being

HE110 - Industrial Safety and Workplace Training
HE120 - Introduction to Public Health
HE130 - Community Health
HE202A - Sports Injuries & Prevention

Health Sciences Dept Department

Allied Health courses in this department are designed to increase students' knowledge and skills in special areas and/or to prepare them to enter a healthcare-related program. Allied Health courses are open to all students interested in Allied Health and healthcare with the exception of AH-111, which is for current nursing students.

Programs

HESCI.ASA - Health Science - ASA
PHEPW.ASA - Public Health Pathway Associate in Science and Arts

SURG.AAS - Surgical Technology Associate in Applied Science

Courses

AH101 - Medical Terminology
AH104 - Medical Insurance Billing
AH106 - Fundamentals of Health Care Delivery
AH107 - Nurse Aide/Home Health Aide

AH111 - Environmental Stressors and Nutrition
AH196 - Electronic Health Records
MA110 - Medical Assistant Seminar/Practicum

History Department

The study of history involves looking at the achievements, events, and people which have shaped our past and current events. History provides us with a reflection of who we are, what we do and why has our nation and world developed as it has. By studying history you will be able to critically reflect, communicate and interpret the events of the past and provide an analysis and narrative.

Courses

HIST101 - Western Civilization to 1500
HIST101HON - Western Civilization to 1500 (Honors)
HIST102 - Western Civilization -1500 to Present
HIST102HON - Western Civil. 1500-Present Honors
HIST150 - World History to 1500 CE
HIST150HON - World History to 1500 Ce-Honor
HIST151 - World History From 1500 CE
HIST151HON - World History From 1500 Honors
HIST201 - United States to 1877
HIST201HON - United States History to 1877 Honors
HIST202 - U.S. From Reconstruction-Present

HIST202HON - US 1877 Reconstruct to Present-Honors
HIST202SUP - US-Reconstruction to Present
HIST207 - African American History
HIST211 - Michigan History
HIST212B - Gettysburg Battlefields
HIST214 - Siege of Vicksburg-US Civil War
HIST216 - Introduction to World War II
HIST216HON - Intro to Ww II - Honors
HIST216SUP - Introduction to World War II Sup.
HIST220 - Labor Studies

Humanities Department

Studying the humanities will help become a more thoughtful and cultured person. The humanities examine areas such as art, theater, philosophy, literature, history, and music. You will learn to appreciate music, art, and dance. You will explore great thinkers and deep thoughts. You will be inspired to ask questions and seek answers to the many facets of the human condition.

Programs

ARTPW.ASA - Arts Pathway Associate in Science and Arts

DMUS_CERT - Digital Music/Audio Production

Courses

HUM195 - Introduction to Humanities

HUM195HON - Introduction to Humanities-

Machine Tech Department

Industry is looking for people in this area. There's a national shortage of toolmakers, die makers, mold makers, machinists, and CNC programmers.

Programs

MACH.AAS - Machining Technology-Associate in Applied Science

MACH_CERT - Machining Technology-Certificate

Courses

MT101B - Basic Machining

MT102A - Intermediate Machining

MT103A - Advanced Machining

MT150 - Machinery Handbook

MT205A - NC/CNC Numerical Control/Computer

MT206A - 2-D CAD/CAM Computer-Aided

MT216 - 3-D CAD/CAM Computer-Aided Design/Mach

MT222 - Machining Capstone

MT240 - Basic Machine Repair

Materials Tech Department

Materials Technology (MET) focuses on the study and application of materials in various engineering and manufacturing processes. This field involves understanding the properties, behavior, and processing of materials such as metals, polymers, ceramics, and composites. In a Materials Tech program or lab, students and professionals learn how to select, test, and manipulate materials for specific applications, ensuring they meet performance, durability, and safety standards.

Courses

MET101 - Industrial Materials

MET101HON - Industrial Materials

MET102 - Basic Cast Metals

MET201 - Metallurgy

Mathematics Department

We should study math because it is useful:

- **Mathematical problems abound in daily life**
- **Mathematical proficiency is required for many jobs**
- **Mathematics is essential for science, engineering, and research**

We should study math because it is Important:

- **A mathematically informed citizenry will make better economic and political decisions about risk, policy, and resource allocation**

We should study math because it is Interesting:

- **The landmark accomplishments of mathematics stand alongside the masterworks of art and music as cultural triumphs that all educated persons should be able to appreciate**
- **Doing mathematics teaches patterns of problem-solving and insight that transfer to other knowledge domains**
- **Mathematical proof teaches skills in proof, argumentation and persuasion that transfer to other knowledge domains.**

Programs

MEGPW.AS - Mechanical Engineering Pathway Associate in Science

Courses

MATH041 - Mathematics for Allied Health Sciences

MATH085 - Support for Probability and Statistics

MATH087 - Support for Math for Liberal Arts

MATH089 - Support for College Algebra

MATH100NRT - Math for Health Science

MATH105 - Mathematics for Elementary Teachers

MATH105HON - Math for Elementary Teachers-Honors

MATH107A - Mathematics for Liberal Arts

MATH109A - College Algebra

MATH109HON - College Algebra W/Applications Honors

MATH112HON - Math 112-HONORS

MATH115A - Probability and Statistics

MATH115HON - Probability & Statistics Honors

MATH121 - Pre-STEM College Algebra

MATH141 - Precalculus

MATH161 - Calculus I

MATH161HON - Calculus I

MATH162A - Calculus II

MATH162HON - Calculus II-Honors

MATH215A - Statistics for Science & Engineering

MATH276 - Linear Algebra With Applications

MATH283 - Calculus III

MATH295 - Differential Equations w/Linear Algebra

MATH295HON - Differential Equat W/Lin Alg

MATH297ST - Math Topics and Skills for Pre-STEM

Medical Assistant Department

A medical assistant performs administrative and clinical duties under the direction of the physician. Administrative duties may include scheduling appointments, maintaining medical records, billing and coding information for insurance purposes. Clinical duties may include taking and recording vital signs and medical histories, preparing patients for examination, drawing blood, and administering medications as directed by physicians.

Programs

MEDAS_CERT - Medical Assistant Certificate Program

Courses

MA102LAB - Medical Assistant Clinical Lab I

MA102LEC - Medical Assistant Clinical Lecture 1

MA105A - Medical Assistant Administrative II

MA106LAB - Medical Assistant Clinical Lab II

MA106LEC - Medical Assistant Clinical Lecture II

MA108 - Medical Assistant Pharmacology

Music Department

The study of music allows and encourages careers in performance, education and even more opportunities in the entertainment industry which is projected to grow at a rate of 5% over the next 3 years with music directors and composers expecting a job growth of nearly 13% over the next 10 years earning on average $46,000 per year. So the outlook is very exciting!

Programs

EMUP.AAS - Music Performance Entrepreneurial - AAS

Courses

DMU101 - Audio Recording I
DMU102 - Audio Recording II
DMU103 - Audio Recording III
DMU104 - Live Audio Production
DMU110 - Intro to MIDI and Digital Instruments
DMU111 - Popular, Folk, World Music Form & Style
DMU201 - Digital Music & Audio Capstone Project
MU076PVT - Remedial Applied Music (Guitar)
MU100 - Introduction to Music Theory
MU101 - Music Theory
MU101HON - Music Theory Honors
MU102 - Music Theory
MU102HON - Music Theory-Honors
MU103A - Music Appreciation
MU103HON - Intro to Music Literature-Honors
MU104CS - College Singers
MU104NC - Community Chorus
MU105CS - College Singers
MU105NC - College Singers
MU106A - Collegiates
MU108CB - Concert Band (West MI Concert Winds)
MU109CB - Concert Band
MU110A - Jayhawk Sound
MU110B - Jayhawk Sound
MU110C - Jayhawk Sound
MU110D - Jayhawk Sound
MU110E - Jayhawk Sound
MU110F - Jayhawk Sound
MU111A - Wind Ensemble
MU111B - Wind Ensemble
MU111C - Wind Ensemble
MU111D - Wind Ensemble
MU111E - Wind Ensemble
MU111F - Wind Ensemble
MU117A - Jazz Ensemble
MU117B - Jazz Ensemble
MU117C - Jazz Ensemble
MU117D - Jazz Ensemble
MU117E - Jazz Ensemble
MU117F - Jazz Ensemble
MU118HON - Honors Orchestra
MU119 - Symphonic Ensemble
MU127A - Jazz Guitar-Secondary Instrument
MU127B - Jazz-Guitar Secondary Instrument
MU127C - Jazz Guitar-Secondary Instrument
MU127D - Jazz Guitar-Secondary Instrument
MU128A - Voice
MU128B - Voice
MU128C - Voice
MU128D - Voice
MU129A - Applied Mu Sec Instru-Piano
MU129B - Applied Mu Sec Instru-Piano
MU129C - Applied Mu Sec Instru-Piano
MU129D - Applied Mu Sec Instru-Piano
MU130A - Appl Mu Sec Instr Cornet-Tru
MU130B - Cornet-Trumpet
MU130C - Cornet-Trumpet

MU130D - Cornet-Trumpet
MU131A - Applied Mu Sec Instru-Clarin
MU132A - Applied Music-Sec. Instrumt. Trombone
MU132B - Trombone
MU133A - Applied Music-Sec Instrument-Baritone
MU133B - Applied Music-Sec Instrument-Baritone
MU133C - Applied Music-Sec Instrument-Baritone
MU133D - Applied Music-Sec Instrument-Baritone
MU134A - Tuba
MU135A - French Horn
MU135B - French Horn
MU136A - Flute
MU136B - Flute
MU136C - Flute
MU136D - Flute
MU137A - Oboe
MU137PVT - Applied Music Secondary Instrument
MU138A - Bassoon
MU138B - Bassoon
MU138C - Bassoon
MU138D - Bassoon
MU138PVT - Applied Music Sec Instrument-Basson
MU139A - Saxophone
MU139B - Saxophone
MU139C - Saxophone
MU139PVT - Applied Music Sec Instrument-Saxophone
MU140A - Percussion
MU140PVT - Applied Music Sec Instrument-Percussion
MU141A - Guitar
MU141B - Guitar
MU141C - Guitar
MU141PVT - Applied Music Sec Instrument-Guitar
MU142A - Organ
MU142B - Organ
MU142C - Organ
MU142D - Organ
MU142PVT - Applied Music Sec Instrument-Organ
MU143PVT - Applied Mu Sec Instru-Harp
MU144A - Violin
MU144B - Violin
MU144C - Violin
MU144D - Violin
MU144PVT - Applied Music Sec Instrument-Violin
MU145A - Viola
MU145B - Private Viola (advanced)
MU145PVT - Applied Music Secondary Instr. - Viola
MU146A - Cello
MU146B - Cello
MU146PVT - Applied Music Secondary Instr.-Cello
MU147A - Double Bass
MU147B - Double Bass
MU148 - Jazz Guitar-Primary Instrument
MU149 - Jazz Guitar-Primary Instrument
MU150 - Applied Music Primary Major Voice
MU150PVT - Applied Music Primary Instrument
MU151PVT - Applied Music Primary Major Voice
MU152PVT - Applied Music Primary Major Piano

MU153PVT - Applied Music Primary Major Piano
MU154PVT - Applied Music Primry Major Cornet
MU155PVT - Applied Music Primary Cornet
MU156PVT - Applied Music Primary Major Clarinet
MU157PVT - Applied Music Primary Major Clarinet
MU158PVT - Applied Music Primary Major-Trombone
MU159PVT - Applied Mu Prim Maj-Tromb
MU160PVT - Applied Music Primary Major-Baritone
MU161PVT - Applied Mu Prim Maj-Barit
MU162PVT - Applied Music Primary Major-Tuba
MU163PVT - Applied Music Primary Major-Tuba
MU164PVT - Applied Music Primary Major French Horn
MU165PVT - Applied Music Primary Major-French Horn
MU166PVT - Applied Music Primary Major-Flute
MU167PVT - Applied Music Primary Major-Flute
MU168PVT - Applied Music Primary Major-Oboe
MU169PVT - Applied Music Primary Major-Oboe
MU170PVT - Applied Music Primary Major-Bassoon
MU171PVT - Applied Music Primary Major-Bassoon
MU173PVT - Applied Music Primary Major-Saxophone
MU176PVT - Applied Music Primary Major-Guitar
MU177PVT - Applied Music Primary Major-Guitar
MU182PVT - Applied Music Primary Major-Violin
MU190A - Class Piano for Music Majors
MU190B - Classical Piano (Non-Music Majors)
MU190C - Class Piano (Basic Piano)
MU191A - Class Piano (Music Majors)
MU191B - Class Piano (non-Music Majors)
MU191C - Class Piano

MU192 - Music for the Classroom Teacher
MU193A - Hip-Hop, Rock, and All the World's Music
MU194 - Sight Reading and Ear Training
MU194HON - Sight Rdg & Ear Train Honors
MU195 - Sight Reading and Ear Training
MU195HON - Sight Rdg & Ear Train-Honors
MU201 - Advanced Theory
MU202 - Advanced Theory
MU203 - Vocal & Instrumental Conduct Tech
MU203HON - Vocal & Instr. Conduct-Honors
MU240 - Professional Practices in Music
MU248 - Jazz Guitar-Advanced Instrument
MU249 - Jazz-Guitar-Advanced Instrument
MU250 - Applied-Music-Advanced Instrument -Voice
MU251PVT - Applied Music-Advanced Instr. Voice
MU260PVT - Applied Music-Adv Instrument-Baritone
MU290 - Advanced Classical Piano
MU291 - Class Piano-Music Majors
MU297CG - Class Guitar
MU297HH - Jazz History: an American Art Form
MU297P - Wind Ensemble
MU297Q - Jayhawk Sound
MU297R - Jazz Ensemble
MU297S - Jazz Improvisation I
MU297V - Voice Class I-Fund of Vocal Technique
MUPVTADVP - Applied Music-Adv Primary Inst
MUPVTPRI - Applied Music-Primary Inst.
MUPVTREM - Mu 050-089 Pvt-Remedial Applied Music
MUPVTSEC - Applied Music-Secondary Inst.

Nursing Department

The MCC Nursing Program offers a Nursing Career Ladder Curriculum consisting of the practical nurse diploma and the Associate Degree in Applied Science Nursing (AAS) with the opportunity to enroll concurrently in the Michigan State University or Grand Valley University Bachelor of Science in Nursing (BSN) programs. (Please contact either university directly for more information on the concurrent programs.) Students who successfully complete the Practical Nurse Diploma will be eligible to write the National Council Licensure Examination for Practical Nurses (NCLEX-PN) to practice as a Licensed Practical Nurse (LPN). Students who successfully complete the Associate in Applied Science Nursing (AAS) degree will be eligible to write the National Council Licensure Examination for Registered Nurses (NCLEX-RN) to practice as a Registered Nurse (RN).

MCC Nursing Program admission is based on a first come, first served basis; once the entry requirements have been met, the applicant will be placed on the "Waitlist". Students are guaranteed a seat once one is available unlike other programs with competitive admissions. Licensed Practical Nurses and other individuals with prior nursing education are afforded the opportunity to enter into the curriculum with advanced placement. Students seeking an Associate in Applied Science Nursing (AAS) Nursing who have previously obtained the LPN or LVN licensure must possess an unencumbered license and current work experience and must apply for Credit for Industry Recognized Credentials (Credit for Industry-Recognized Credentials Application Form).

The MCC Nursing Program is approved by the Michigan Board of Nursing to provide a program of nursing education leading to the diploma in Practical Nursing and an Associate Degree in Nursing. The MCC Nursing Program is accredited by the Accreditation Commission for Education in Nursing (ACEN). This program prepares you to take the NCLEX exam in the State of Michigan. Graduates who intend on practicing in another state should review that state's requirements for licensure at https://www.ncsbn.org/14730.htm.

Mission Statement

Approved April 31, 2017

The Muskegon Community College Nursing Program is a ladder Associate Degree Nursing Program providing a foundation for lifelong Nursing Education.

To fulfill its mission, the Muskegon Community College Nursing Program is committed to

- Partnerships with local community healthcare agencies and university partners to meet the intellectual, technical, and professional needs of a 21st century nursing workforce.
- Stimulating intellectual curiosity, critical thinking, and evidence based practice.
- Professional ethics and accountability necessary for persons to function as professional nurses.

Accreditation

The Muskegon Community College Nursing Program is accredited by:

Accreditation Commission for Education in Nursing - www.acenursing.org

3390 Peachtree Rd NE, Suite 1400, Atlanta, GA, 30326

Phone: (404) 975-5000 Fax: (404) 975-5020

Muskegon Community College is accredited by:

Higher Learning Commission - www.HLCommission.org

230 S. LaSalle St, Chicago, IL, 60604-1413

Phone: (800) 621-7440

Programs

NURS.AAS - Nursing-Associate in Applied Science
NURS_DIPL - Nursing-Diploma

NURS_PRE - Pre-Nursing
NURS_WAIT - Nursing Wait List for New Students

Courses

NUR100 - Overview of the Nursing Profession
NUR121A - Basic Pharmacology
NUR126 - Family Health & Nursing Care
NUR131B - Care of the Childrearing Family
NUR141B - Care of the Maturing Family

NUR141BHON - Care of Maturing Family
NUR211A - Care of Family-Psycho Crisis
NUR212B - Care of the Family in Physiol. Crisis
NUR222A - Managing Care of the Family

Philosophy Department

Philosophy means the love of wisdom. Philosophy classes help people to think clearly and critically. Philosophy asks the big questions such as "Does God exist?" "What is beauty?" "Do we have free will?" "Is Artificial Intelligence possible?" "Why be moral?" and "Is ethics relative?" These are central questions about our lives and as Socrates said, asking them "makes our lives worth living." Answering them allows us to understand ourselves and the world, and helps us to become better problem solvers.

Philosophy classes are excellent preparation for jobs that demand careful reading, critical thinking, ethical behavior, and sound judgment. Mid-level salaries for philosophy majors are higher than for many other popular majors. Philosophy also is a good preparation for many professional degrees in areas such as law, medicine, religion, and business. MCC offers classes in logic, business ethics, biomedical ethics, introduction to philosophy, environmental ethics, the philosophy of religion, and world religions.

Courses

PHIL101 - Basic Concepts of Philosophy
PHIL101HON - Basic Concepts/Philos Honors
PHIL102 - Principles of Logic
PHIL102HON - Principles of Logic-Honors
PHIL104 - Symbolic Logic
PHIL104HON - Symbolic Logic Honors
PHIL105 - World Religions
PHIL202 - Introduction to Ethics

PHIL202HON - Intro to Ethics - Honors
PHIL203 - Philosophy of Religion
PHIL204 - Biomedical Ethics
PHIL204HON - Biomedical Ethics-Honors
PHIL205 - Business Ethics
PHIL205HON - Business Ethics
PHIL207 - Environmental Ethics

Physical Ed Activity Department

Physical Education Activity (PEA) classes at Muskegon Community College provide students with hands-on opportunities to develop lifelong fitness habits through guided instruction and engaging activities. These courses emphasize personal wellness, offering a variety of options such as fitness training, sports, and recreational pursuits to accommodate different interests and skill levels. Through structured lessons and practical experience, students gain the knowledge and motivation needed to integrate regular physical activity into their daily lives. The ultimate goal is to enhance overall community wellness by fostering commitment to health and fitness through education and active participation.

Courses

PEA100C - Hatha Yoga
PEA101A - Fitness, Wellness and Nutrition
PEA103 - Weight Training
PEA104A - Walking, Jogging and Conditioning
PEA105 - Pocket Billiards
PEA107 - Archery
PEA108 - Bowling
PEA109 - Sport Judo and Self Defense
PEA114 - Golf I
PEA118 - Cycling
PEA121 - Human Movement Science
PEA139A - Basic Canoeing/Kayaking

PEA154A - Volleyball I
PEA155 - Basketball I
PEA156 - Beach Volleyball
PEA164 - Zumba Movement for Fitness
PEA165 - Tai Chi
PEA166 - Beginning Pickleball
PEA200 - Kundalini Yoga
PEA201 - Aerobic Movement for Fitness
PEA201HON - Aerobic Movement - HONORS
PEA209 - Sport Judo and Self Defense II
PEA214A - Golf II

Physical Ed/Professional Department

Physical Education-Professional (PEP) classes at Muskegon Community College offer students vocational training in the health, fitness, and recreation areas. These courses align with MCC's Health, Physical Education, and Recreation Department's goal of improving community wellness through education and guided activity. Students enrolled in PEP courses will have the opportunity to earn industry-level certifications, enhancing their credentials for employment. By providing hands-on training and professional development, PEP courses allow students to build successful careers in the health and fitness industry.

Courses

OFC111 - Sports Officiating BB, BB & FB
OFC112 - Sports Officiating SB, BB & VB

PEP200 - Essentials of Personal Training
PEP203 - Fundamentals of Coaching

Physical Science Department

Physical Science is the study of the natural world. Would you like to be able to explain what causes a rainbow or why the sky is blue or how a transformer works? Take Physical Science. This class will fulfill your lab requirement for non-STEM majors. We focus on understanding and learning. This is an excellent class for elementary education majors.

Courses

PHSC101A - Introductory Physical Science L& L

PHSC101HON - Physical Science Honors

Physics Department

Do you want to understand why things work the way they do? Do you want to develop problem solving and analytical skills? Then study physics. Physics is the most basic and fundamental science; the backbone of all other sciences. As a whole, physics is concerned with matter, energy, and how they interact and transform. The principles of physics are the foundation upon which all other scientific knowledge is built. Everything from nanomachines, cell phones, lasers, to galaxies can be understood and described using physics. While learning about the organizing principles of the Universe, physics students are challenged to expand their quantitative, reasoning, and analytical skills in ways that make them even more valuable to employers. Physics is interesting, useful, and challenging. Physics is the search for the common threads that connect seemingly disparate phenomena. Students of physics learn to analyze a problem regardless of context and can apply this inventive thinking to any field. Being THE fundamental science, Physics is the route to many careers: such as particle physicist, TV producer, Alzheimer researcher, weather predictor, Wall Street analyst, astrophysicist, or engineer. Some of the benefits of studying physics at MCC include small class sizes, affordability, focused attention, and new facilities with updated labs and classrooms. MCC offers algebra-based and calculus-based physics courses

Courses

PHYS201HON - Principles of Physics

PHYS202CL&L - Principles of Physics Lecture & Lab

PHYS203HON - Physical Science-Honors

PHYS203L&L - Engineering Physics Lecture & Lab

PHYS201CL&L - College Physics I Lecture and Lab

PHYS204L&L - Engineering Physics Lecture & Lab

Political Science Department

A bachelor's degree in political science can lead to exciting careers in:

- federal, state and local governments;
- law;
- business;
- international organizations;
- nonprofit associations and organizations;
- campaign management and polling;
- journalism;
- pre-collegiate education;
- electoral politics;
- research; and
- university and college teaching.

Political science majors gain analytical skills, administrative competence and communication abilities that are valued in a wide spectrum of potential career areas.

Courses

PSCI100 - Introduction to Political Science

PSCI210C - International Organizations - NATO

PSCI111 - Introduction to American Government

PSCI210CHO - Internat Organ-Nato (honors)

PSCI111HON - Intro to American Government-Honors

PSCI211 - Comparative World Governments

PSCI202 - International Relations

PSCI211HON - Comparative World Goverments-Honors

PSCI202HON - International Relat-Honors

PSCI212A - Gettysburg Battlefields

PSCI203HON - Read in Hist of West Pol Tho

PSCI214 - Siege of Vicksburg-US Civil War

PSCI205 - Contemporary Political Issues in US

PSCI220 - Labor Studies

PSCI205HON - Contemp Political Issues in Us-Honors

PSCI220HON - Labor Studies-HONORS

PSCI210A - Int'l Organizations United Nations

PSCI299LE - Legislative Internship

PSCI210B - International Organizations/Arab League

PSCI111I2 - Intro to American Government

PSCI210BHO - Internat Org-Arab League/Hon

PSCI299LE6 - Legislative Internship

Psychology Department

Psychology is the scientific study of "ABC" (A = affect/emotions, B = behavior/actions, and C = cognition/thinking).

MCC offers Applied Psychology, which is intended for students who are earning a certificate. The General Psychology course is for those who seek an Associates Degree or wish to transfer to a university. We also offer courses in (ED-234) Educational Psychology, Abnormal Psychology, Psychological Disorders of Childhood, Life Span Development and Social Psychology. Most courses are offered both online and at MCC's main campus. General Psychology also is available at extension sites in Ottawa and Newaygo Counties.

Dr. Angela Spaniolo-DePouw and our adjunct psychology instructors invite you to enroll in a course within our discipline. What you learn in psychology is applicable to every facet of your life.

Recreation Department

Recreation *(REC)* classes at Muskegon Community College provide students with the opportunity to explore the history and benefits of recreation, promote wellness through hands-on activity, develop leadership and program planning skills, all while being introduced to career pathways in the field. These courses align with the MCC Health, Physical Education, and Recreation department's mission to improve community wellness through education and guided activities.

Courses

REC111 - Introduction to Recreation and Leisure

Respiratory Therapy Department

This is a full-time, face-to-face program. Respiratory Care Practitioners (RCPs) work in a fast-paced environment where technical and scientific responsibilities are matched by a real need for human relations skills. They are involved in a wide range of life-supporting and life-saving activities. RCPs provide assessment, diagnosis and treatment to patients suffering from heart and lung disorders. They administer life supporting therapies such as cardiopulmonary resuscitation, oxygen and inhaled drug therapy, and mechanical ventilation to the adult, pediatric and newborn intensive care units. If you enjoy science and helping people let the Respiratory Therapy Program prepare you for this dynamic health career in medicine.

Programs

RSPT.AAS - Respiratory Therapy-Associate in Applied Science

RSPT_PRE - Pre-Respiratory Therapy

Courses

RT101 - Respiratory Therapy Physics

RT102 - Basic Patient Care Skills

RT111B - Introduction to Respiratory Therapy

RT121 - Cardio-Respiratory Pharmacology

RT122 - Clinical I

RT131 - Physiology

RT132 - Respiratory Therapy Clinical II

RT134 - Intro-Mechanical Ventilation

RT141 - Respiratory Pathophsiology

RT144A - Adult Mechanical Ventilation

RT152ACLI - Clinical IV

RT162 - Clinical V

RT162ACLI - Clinical V

RT210 - Cardiovascular and Renal Physiology

RT212B - Adv Clinical Practice I

RT220C - Pediatric/Neonatal Critical Care

RT222A - Advanced Clinical II

RT230B - Pulmonary Diagnostics and Rehabilitation

RT240 - Health Care Environment

RT297F - Clinical II

RT297G - Advanced Clinical Practicum I

RT110AL&L - Equipment and Procedures I

RT120AL&L - Equipment and Procedures II

RT130AL&L - Respiratory Therapy Equipment

Social Science Dept Department

The Social Science Department help students understand human behavior, societal structures, and cultural dynamics, fostering critical thinking and a deeper appreciation of the world.

This department offers diverse courses in anthropology, education, geography, history, political science, psychology, sociology, and women and gender studies.

Programs

PSYPW.ASA - Psychology Pathway Associate in Science and Arts

SOWPW.ASA - Social Work Pathway Associates in Science and Arts

Sociology Department

Because society must be explained. Sociology is the scientific, humanistic, and critical discipline which studies almost all aspects of society from the ways parents socialize their children, to how different forms of inequality are reproduced in daily life. Sociologists use varied methods of analysis surveys, interviews, observation, participation, ethnography, and historical investigation to probe into the deepest questions about our society: Why is there poverty? What causes violent conflict? What is the nature of social interaction? How is technology changing human relationships? Does ideology affect our judgement?

Sociology truly teaches the student to be scientifically critical of the society and social circumstances in which they find themselves. Sociology can equip the student to explain the causes of social problems and then propose socially relevant solutions to those problems.

Courses

SOC101 - Principles of Sociology

SOC101HON - Prin. of Sociology-Honors

SOC102A - Race, Ethnicity, & Immigration

SOC102AHON - Race, Ethnicity, and Imm - Hon

SOC102AI - Race, Ethnicity, & Immigration

SOC102HON - Prin Ethnic Min in Amer-Hon

SOC202A - Modern Social Problems

SOC202AHON - Modern Social Problems Honors

SOC203 - Introduction to Social Work

SOC205 - Marriage and Family

SOC205HON - Marriage and Family Honors

SOC206 - Introduction to Aging

SOC206HON - Gerontology Honors

SOC210HON - Social Psychology-Honors

WGS101 - Intro to Women's & Gender Studies

WGS201 - LGBTQ Studies

WGS201HON - Lgbtq Studies Honors

Spanish Department

Our country is a bilingual community. Spanish is the second most spoken language in the U.S. Having at least a moderate understanding of a second language enhances your job skills and opens you to other people and cultures.

Courses

SPAN299 - Intermediate Spanish Conversation Intermediate Spanish   **Conversation - Ind Interm Spanish Conversation**

Surgical Tech Department

(5-Semester Program)

The Surgical Technology Program is offered through a partnership with other Michigan colleges through the <u>Michigan Workforce Training and Education Collaborative</u>. New students to the surgical technology program enroll through Westshore Community College and Michigan Colleges Online. All students accepted into the program must be employed as an apprentice and sponsored by a health care agency.

Muskegon Community College makes every effort to publish an accurate and comprehensive catalog. Occasionally, changes or additions need to be made to a published catalog. The College reserves the right to make any necessary changes. Changes to the Surgical Technology Program section of the 2024-25 catalog were made on April 17, 2024, to reflect previously approved program changes.

The Surgical Technology Program at Muskegon Community College is an Associate Degree in Applied Science program that is currently seeking the accreditation process. This program includes courses that can lead to a Sterile Processing Certificate. The curriculum includes science courses selected to provide a basis for the clinical and theory application of principles used in Surgical Technology. Basic courses in the theoretical aspects of Surgical Technology include lecture, clinical, and online instruction. All Surgical Technology courses must be passed with a minimum grade of C+. The goal of the program is to prepare entry-level surgical technologists who are competent in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains to enter the profession.

Throughout the program, students are provided with hands-on experience in cooperation with various hospitals under the direction of the Program Director/Instructor.

Collaborative Program Model

The Collaborative Surgical Technology Consortium program model allows apprentices (employer-sponsored) college students to attain an Associate in Applied Science degree in Surgical Technology. Lab and clinical education will be dependent on student location. Consortium students can take their General Education courses at any college within the Consortium and transfer them to Muskegon Community College. Core Courses will be taken through the Michigan Colleges Online (MCO). The MCO allows seamless transfer of courses between the colleges in the consortium. Each partner college within the consortium will provide preceptors and clinical education sites within their service area for students accepted into the program.

This is an employer-based program. Acceptance into the program is completed by the employers within affiliation of the Consortium partner and Muskegon Community College.

Courses

ST100 - The Surgical Patient   **ST151 - Advanced Surgical Procedures**
ST101 - Surgical Asepsis   **ST200 - Surgical Specialty/Professional Prep**
ST102 - Sterile Processing I   **ST210 - Surgical Specialty/Professional Prep**
ST103 - Sterile Processing Externship   **ST211 - Applied Surgical Techniques II**
ST110 - Fundamentals of Surgical Tech   **ST212 - Applied Surgical Techniques III**
ST115 - Surgical Pharmacology   **ST213 - Advanced Surgical Techniques IV**
ST150 - Basic Operative Procedures

Tech Related Department

The Applied Technology department at MCC provides comprehensive education and training in various technical fields, focusing on hands-on learning and practical skills to prepare students for successful careers in manufacturing and technology.

Programs

APRE_CERT - Apprenticeship Certificate   **MATEC_CERT - Manufacturing Technology Certificate**
ELENG.AAS - Electronics Engineering Technology   **METR_CERT - Mechatronics Certificate**
ENGRT.AAS - Engineering Technology   **PATTM_CERT - Patternmakers Certificate**
MAMRE_CERT - Manufacturing Machine Repair   **QUAS_CERT - Quality Assurance-Certificate**
MANUF_CERT - Manufacturing Automation Certificate   **WINSO_CERT - Wind and Solar Certificate**
MATEC.AAS - Manufacturing Technology AAS

Courses

AMT129A - Introduction to Technology   **TECH290CI1 - Cooperative Internship**
HP101 - Hydraulics/Pneumatics   **TECH290CI2 - Cooperative Internship**
HP201 - Advanced Hydraulics   **TECH290CI4 - Cooperative Internship**
QC101 - Basic Quality Control   **TECH290CI5 - Cooperative Internship**
TECH200 - Applied Alternative & Renewable Energy   **TMAT101A - Technical Math I**
TECH201A - Introduction to Mechatronics   **TMAT102A - Technical Math II**
TECH290CI - Cooperative Internship   **TMAT201 - Technical Math III**
TECH290BE6 - Cooperative Internship Biomedical Engr

Theater Department

At Muskegon Community College we have been teaching the art of theater for over 85 years. We are proud of our program and our students' achievements. MCC students receive a beginning foundation in acting and technical theater through our courses and our productions. We offer a variety of classes to develop your knowledge of theater. Plus we have a full season of plays that give you many opportunities to develop your skills both onstage and behind the stage. Former students of our program have gone on to work in professional theaters, theater education, design fields, television & radio, modeling, and many other career areas. They often credit our program for making them feel a part of a community, supporting their dreams, and giving them great opportunities for learning and growing.

Courses

TH101 - Theater Appreciation

TH101HON - Theater Appreciation-Honors

TH102 - Introduction to Acting I

TH108 - Theater for Children

TH108HON - Theater for Children-HONORS

TH121 - Introduction to Technical Theater

TH122 - Theater Set and Lighting Design

TH141 - Applied Theater-Acting

TH142 - Applied Theater-Dance

TH144 - Applied Theater-Costuming

TH145 - Applied Theater-Scenery Construction

TH147 - Applied Theater-Production Crew

TH148 - Applied Theater-Performance

TH160 - Acting for TV and Film

TH201 - Introduction to Theater History

TH202 - Introduction to Acting II

TH202HON - Theater 101 Honors

TH203 - Reader's Theater

TH204 - Improvisation for Actors

TH212 - Summer Theater Workshop

TH217 - Creative Dramatics

TH260 - Student Production Practicum

TH297AA - Introduction to Technical Theater

Welding Department

MCC offers an associate in applied science in welding technology as well as a welding technology certificate program. Welding Technology is a diversified program of skills dealing with the fabrication of metal products from rolled, stamped, forged or cast shapes. The type of metal, position of weldments, and use of structural shapes will be handled in a manner similar to that used in industrial processing. Selection of the proper welding methods, materials and procedures required will provide training in solving realistic problems found in the welding field. The demand for skilled welders is rising and students who like designing and building with metal, have interests in materials engineering, robotics, computer aided design, and systems integration have a unique opportunity to learn a career that can be shaped around their interests.

Programs

WELD.AAS - Welding Technology-Associate in Applied Science

WELD_CERT - Welding Technology-Certificate

Courses

W101A - Basic Welding

W102A - Gas Metal Arc Welding (MIG)

W103A - Gas Tungsten Arc Welding (TIG)

W105 - Shielded Metal Arc Welding

W201 - Structural Welding

W202A - Pipe Welding

W206 - Metal Fabrication

All Programs

ACCBK.AAS - Accounting and Bookkeeping Services- A.A.S.

Overview

Department Title

Accounting

Program Description

The MCC AAS in Accounting and Bookkeeping Services will be designed to provide students with a sound foundation of relevant coursework in preparation for a bachelor's degree in accounting. The program will include courses in principles, managerial and tax accounting along with business coursework. Students within the program will be provided opportunities to work in the accounting industry via partnerships with local organizations. The program will also include a practicum experience where students participate in the VITA tax assistance program.

Degree

AAS - Associate in Applied Science

Requirements

Simple Requisites

Subplan
Program Requirements- 62 credits

Type

Completion Requirement

General Education Requirements

Fulfill ALL of the following requirements:

General Education Requirements 18 credits

Complete ALL of the following Courses:

- ENG101 - English Composition
- BCOM102 - Adv Business & Technical Communications
- BUS126 - Business Mathematics
- CIS120A - Intro to Computer Information Systems
- PHIL205 - Business Ethics

—— AND ——

General Education Requirements

Earn at least 3 credits from the following:

- BUS127 - Human Relations
- COM101 - Oral Communications

Business Core Requirements 14 credits

Complete ALL of the following Courses:
- BUS123 - Business Law I
- BUS131 - Intro to Entrepreneurship
- BUS260 - Principles of Marketing
- BUS223 - Starting Your Business Plan

Choose 1:

Earn at least 3 credits from the following:
- BUS161A - Effective Selling
- BUS122 - Principles of Management

Degree Requirements 25 credits

Complete ALL of the following Courses:
- ACC201 - Principles of Accounting I
- ACC202 - Principles of Accounting II
- ACC206 - Quick Books Computerized Accounting
- ACC220 - Federal Taxation I
- BUS180D - Introduction to Word Processing-Part I
- BUS181C - Office Procedures I-Document Formatting
- BUS182C - Office Procedures II-Document Production
- CIS101EW - Intro to Electronic Spreadsheets
- CIS102EW - Intermediate Electronic Spreadsheets

Recommended Electives 5 credits

Earn at least 5 credits from the following:
- ACC100 - Fundamentals of Accounting
- BUS114 - Personal Finance
- BUS166 - Quality Customer Service
- BUS179 - Keyboarding
- CIS153A - Introduction to Data Base Management

Additional Comments:

No Requirement Level

Degree Maps
Degree Maps

Year 1

Fall Semester
Recommended Elective- see program requirements for options
BUS126
ENG101
CIS120A
BUS127 or COM101

Winter Semester
BUS123
PHIL205
BUS161A or BUS122
ACC201
BUS131
CIS101EW
Recommended Elective- see program requirements for options

Year 2

Fall Semester
BCOM102
ACC202
BUS260
BUS181C
BUS180D

Winter Semester
ACC100
BUS114
BUS166
BUS179
CIS153A

ADMAC_CERT - Administrative Medical Assistant Certificate

Overview
Department Title
Business

Program Description
The following certificate is designed to provide training to meet entry level positions in a medical office administrative position. Job titles include medical receptionist, registration clerk, scheduling clerk, business office coordinator, and patient access representative. Upon completion of the program, the student will be able to successfully recognize the importance of safeguarding confidentiality as it relates to medical/legal, professional and bio-ethical standards and laws, define and use terms related to the administrative medical office; and operate basic computer systems/software. Medical Administrative Assistants manage the front desk and office side of the medical practice. Job duties may include checking patients in and out at the front desk, answering the telephone, scheduling patients for appointments, compiling medical records and charts, using computer software, and maintaining supplies for the office. This certificate is not designed for the student planning to transfer to a four-year institution. Any student desiring to pursue a transfer program in business should consult with a counselor. This certificate flows directly into the Administrative/Office Management - Medical, AAS degree. Students are eligible to sit for the Certified Medical Administrative Assistant (CMAA) exam through the National Healthcareer Association upon completion of the program.

Degree
ADMAC - Administrative Medical Assist

Requirements
Simple Requisites

Subplan

Certificate Requirements 32-33 credits
Type
Completion Requirement

Required courses

Complete ALL of the following Courses:
- ENG101 - English Composition
- AH101 - Medical Terminology
- AH104 - Medical Insurance Billing
- AH196 - Electronic Health Records
- BIOL115 - Intro to Anatomy and Physiology
- BUS179 - Keyboarding

- BUS180D - Introduction to Word Processing-Part I
- BUS181C - Office Procedures I-Document Formatting
- BUS195 - Medical Records Management
- CIS120A - Intro to Computer Information Systems
- MA101A - Medical Assistant Administrative I
- MA105A - Medical Assistant Administrative II

Additional Comments:

No Requirement Level

Degree Maps
Degree Maps

Year 1

Fall Semester

CIS120A
BUS179
AH101
MA101A
ENG101
BUS195

Winter Semester

MA105A
AH104
BUS180D
BUS181C
BIOL115

Summer Semester

AH196

ADOMG.AAS - Administrative Office Management AAS

Overview

Department Title
Business

Program Description
This program is for the AAS degree student and is not designed for the student wishing to transfer to a four-year institution. Any student desiring to pursue a transfer program in business should consult with a counselor. This program will provide training in office skills and administration in order for the student to attain a high degree of competency and meet entry-level qualifications for an administrative office assistant position. This degree will also prepare the student to supervise and manage a small to mid-size office. Upon completion of the program, the student will be able to use hardware and software commonly used in the office; successfully communicate through effective writing and speech; demonstrate the ability to keyboard at a speed that meets industry standards; create business documents following standards; effectively supervise, organize, and lead employees in the office environment; and demonstrate critical thinking skills as they relate to the administrative/office manager.

Degree
AAS - Associate in Applied Science

Requirements
Simple Requisites

Subplan

Program Requirement Type
Completion Requirement

General Education Requirements- 18 credits

Complete ALL of the following Courses:
- ENG101 - English Composition
- BCOM102 - Adv Business & Technical Communications
- BUS126 - Business Mathematics
- BUS127 - Human Relations
- CIS120A - Intro to Computer Information Systems
- PHIL205 - Business Ethics

Business/OSE Core Requirements- 9 credits

Complete ALL of the following Courses:
- ACC100 - Fundamentals of Accounting
- BUS121 - Introduction to Business
- BUS180D - Introduction to Word Processing-Part I

Administrative Assistant/Specialist Core Requirements- 29-30 credits

Complete ALL of the following Courses:
- ACC206 - Quick Books Computerized Accounting
- BUS125 - Supervision
- BUS123 - Business Law I
- BUS179 - Keyboarding
- BUS181C - Office Procedures I-Document Formatting
- BUS182C - Office Procedures II-Document Production
- BUS280C - Word Processing - Part II
- BUS290CI - Cooperative Internship Program
- BUS167 - Professionalism in Your Career
- CIS101EW - Intro to Electronic Spreadsheets
- CIS102EW - Intermediate Electronic Spreadsheets
- CIS119PP - Introduction to Presentation Graphics

Recommended Electives

Complete ANY of the following Courses:
- BUS123 - Business Law I
- BUS166 - Quality Customer Service
- BUS200 - International Business
- BUS220 - E-Business
- ECON101A - Principles of Macroeconomics

Additional Comments:

No Requirement Level

Degree Maps
Degree Maps

Year 1

Fall Semester

CIS120A
BUS179
BUS121

ENG101
BUS126
Elective- see program requirements for options

Winter Semester

BUS181C
ACC100
BUS180D
BCOM102
Elective- see program requirements for options

Year 2

Fall Semester

BUS127 or COM101
BUS182C
CIS106 - Missing course
CIS101EW
ACC206
BUS125

Winter Semester

BUS167
CIS102EW
CIS119PP
BUS280C
CIS153A
BUS123
BUS290CI
PHIL205

ADOMM.AAS - Administrative Office Management Medical AAS

Overview

Department Title
Business

Program Description
This program is for the AAS degree student and is not designed for the student planning to transfer to a four-year institution. Any student desiring to pursue a transfer program in business should consult with a counselor. This program will provide training in medical office activities/procedures in order for the student to attain a high degree of competency and meet entry-level qualifications for an administrative office with specialized medical office skills. This includes the ability to manage administrative support staff of a small medical practice. Upon completion of the program, the student will be able to successfully communicate through effective writing and speech; recognize the importance of safeguarding confidentiality as it relates to the medical/legal, professional and bio-ethical standards and laws; define and use terms related to the administrative medical office; operate computer systems/software or other types of technology to accomplish office tasks; effectively supervise, organize, and lead employees in a medical office environment; and demonstrate problem solving skills as related to the management of employees.

Degree
AAS - Associate in Applied Science

Requirements

Simple Requisites

Subplan
Program Requirements- 62 credits
Type

Completion Requirement

General Education Requirements- 18 credits

Fulfill ALL of the following requirements:

Complete all:

Complete ALL of the following Courses:
- ENG101 - English Composition
- BCOM102 - Adv Business & Technical Communications
- BUS126 - Business Mathematics
- CIS120A - Intro to Computer Information Systems
- PSYC102 - Applied Psychology

— AND —

Choose 1:

Earn at least 3 credits from the following:
- BUS127 - Human Relations
- COM101 - Oral Communications

— AND —

Choose 1:

Earn at least 3 credits from the following:
- PHIL204 - Biomedical Ethics
- PHIL205 - Business Ethics

Business/Technology Core Requirements- 9 credits

Complete ALL of the following Courses:
- ACC100 - Fundamentals of Accounting
- BUS121 - Introduction to Business
- BUS180D - Introduction to Word Processing-Part I

Medical/Administrative Degree Core Requirements- 35 credits

Complete ALL of the following Courses:
- ACC206 - Quick Books Computerized Accounting
- AH101 - Medical Terminology
- AH104 - Medical Insurance Billing
- AH196 - Electronic Health Records
- BIOL115 - Intro to Anatomy and Physiology
- BUS125 - Supervision
- BUS167 - Professionalism in Your Career
- BUS179 - Keyboarding
- BUS181C - Office Procedures I-Document Formatting
- BUS182C - Office Procedures II-Document Production
- BUS195 - Medical Records Management
- CIS101EW - Intro to Electronic Spreadsheets
- MA101A - Medical Assistant Administrative I
- MA105A - Medical Assistant Administrative II

Recommended Electives (If BUS-179 keyboarding is waived)

Complete ANY of the following Courses:
- BUS290CI - Cooperative Internship Program
- CIS102EW - Intermediate Electronic Spreadsheets
- CIS119PP - Introduction to Presentation Graphics
- CIS153A - Introduction to Data Base Management

Additional Comments:

No Requirement Level

Degree Maps
Degree Maps

Year 1

Fall Semester

ACC100
BUS126
ENG101
CIS120A
AH101
BUS179 (see program requirements for choice of electives if BUS-179 waived)

Winter Semester

PHIL204
BUS121
BUS167
CIS101EW
BUS180D
BUS181C

Year 2

Fall Semester

BCOM102
AH104
BUS182C
BIOL115
MA101A

Winter Semester

ACC206
BUS127
AH196
BUS125
BUS195

AGRIC.AAS - Agriculture AAS

Overview

Department Title
Biology

Program Description
The MCC curriculum, paired with courses within a particular Michigan State University Certificate Program, prepares students for entry-level employment in agricultural operations. Students will earn an MSU certificate while also working towards an associate's degree. There are three available certificates from which to choose, listed following the MCC degree requirements. MSU Transfer Students: Students wishing to transfer to MSU as juniors must meet with the program coordinator during their first semester to alter general education courses to meet MSU requirements.

Degree
AAS - Associate in Applied Science

Requirements

Simple Requisites

Subplan

Program Requirements- 62 credits
Type
Completion Requirement

> **General Education Requirements- 25 credits**
>
> **Fulfill ALL of the following requirements:**
>
> > Complete ALL English Requirements
> >
> > **Complete ALL of the following Courses:**
> > - ENG101 - English Composition
> > - ENG102 - English Composition
>
> ──────── AND ────────
>
> > Required Courses
> >
> > **Complete ALL of the following Courses:**
> > - BIOL121L&L - Plant Biology
> > - BUS127 - Human Relations
> > - HE110 - Industrial Safety and Workplace Training
> > - GEOG215 - Introduction to Weather and Climate
> > - ENV110L&L - Environmental Science
> > - CIS120A - Intro to Computer Information Systems
>
> ──────── AND ────────
>
> > choose 1:
> >
> > **Complete ANY of the following Courses:**
> > - TMAT101A - Technical Math I
> > - TMAT102A - Technical Math II
> > - TMAT201 - Technical Math III
> > - BUS126 - Business Mathematics
> > - MATH109A - College Algebra
> > - MATH115A - Probability and Statistics
>
> MSU Occupational Specialty Requirements Credits: 34 credits
>
> Students will complete 34 credits of MSU Coursework in their concentration.
>
> **Agriculture Operations, Fruit & Vegetable Crop Management, Landscape Management**

Additional Comments:

No Requirement Level

Degree Maps
Degree Maps

Year 1

Fall Semester

ENG101 English Composition
HE110 Industr Safety/Wkplace Trng
PLP-105
CSS-105
CSS-143
MCC Elective

Winter Semester

BIOL-121L&L
BCOM102 Adv. Business & Tech Communi or ENG102 English Composition
AE-143
CSS-101
MSU Elective

Summer Semester

MSU Internship

Year 2

Fall Semester

BUS127 Human Relations
CIS120A Computer Information Systems
CSS-126
AT-202
ENT-110
MCC Elective

Winter Semester

Math Requirement
FS-101L&L
ABM-130
AE-131
MSU Elective

AGS.AGS - Associate in General Studies

Overview

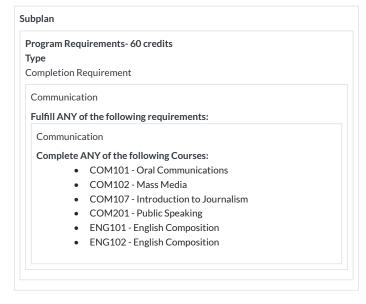**Department Title**
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Program Description
The AGS degree is designed for students interested in self-enrichment who are not following a specific occupational or transfer program. Courses may be selected to suit individual student goals. Students should consult with a counselor for further information.

Degree
AGS - Associate in General Studies

Requirements

Simple Requisites

Subplan

Program Requirements- 60 credits
Type
Completion Requirement

Communication

Fulfill ANY of the following requirements:

Communication

Complete ANY of the following Courses:
- COM101 - Oral Communications
- COM102 - Mass Media
- COM107 - Introduction to Journalism
- COM201 - Public Speaking
- ENG101 - English Composition
- ENG102 - English Composition

— OR —

Any 200-level English course

except 234D

Problem Solving- 3 credits

Fulfill ANY of the following requirements:

Business

Enroll in the following Courses:
- BUS126 - Business Mathematics

— OR —

Math

Any 100 level or higher Math course

— OR —

Technical Math

any Technical Math course

Science and Technology- 3 credits

Fulfill ANY of the following requirements:

Science and Technology

Complete ANY of the following Courses:
- ANTH105D - Intro to Phys Anthropology/Archaeology
- AMT129A - Introduction to Technology
- GEOG101A - Physical Geography - Lecture and Lab
- GEOG215 - Introduction to Weather and Climate

— OR —

Astronomy

Any Astronomy course

— OR —

Biology

Any Biology course

— OR —

Chemistry

Any Chemistry course

— OR —

Computer Information Systems

Any CIS course

— OR —

Geology

Any Geology course

---OR---

Physical Science

Any Physical Science course

---OR---

Physics

Any Physics course

Ethical Reasoning and Creativity- 6 credits

Fulfill ANY of the following requirements:

Ethical Reasoning and Creativity

Complete ANY of the following Courses:
- ART100A - Art Appreciation
- ART104 - Drawing I
- ART105B - Two-Dimensional Form and Surface
- ART106B - Beginning Printmaking: Relief & Monotype
- ART107 - Painting I
- ART108 - Ceramics I
- ART109 - Sculpture I
- ART117 - Three-Dimensional Form and Space
- ART118 - Beginning Printmaking Intaglio
- ART204B - Drawing II (Transfer Portfolio Prep)
- ART207 - Painting II
- ART208 - Ceramics II
- ART209 - Sculpture II
- ART214 - Photography 35MM Black/White
- ART220 - Figure Drawing
- ART240 - Professional Practices in Art
- COM203 - Introduction to Cinema
- ENG216 - Introduction to Film
- ENG223 - Poetry Writing Seminar
- PHIL101 - Basic Concepts of Philosophy
- PHIL102 - Principles of Logic
- PHIL104 - Symbolic Logic
- PHIL202 - Introduction to Ethics
- PHIL204 - Biomedical Ethics
- PHIL205 - Business Ethics
- PHIL207 - Environmental Ethics

---OR---

Dance

Any Dance course

---OR---

Music

Any Music course

---OR---

Theatre

Any Theatre course

Personal, Social, and Cultural Awareness- 3 credits

Fulfill ANY of the following requirements:

Personal, Social, and Cultural Awareness

Complete ANY of the following Courses:
- ANTH103 - Cultural Diversity in Contemp. Society
- ANTH110 - Introduction to Cultural Anthropology
- ART198 - Art History I: Ancient Art - Renaissance
- ART199 - Art History II - Renaissance Art/Modern
- ART202 - Contemporary Art History
- BUS127 - Human Relations
- ENG200A - Heroes of Early Western Literature
- ENG201A - Heroes of Later Western Literature
- ENG205 - Introduction to Poetry
- ENG207 - Literature of Race & Ethnicity
- ENG210 - The Nature of Language
- ENG211 - Literature of World Mythology
- ENG213 - Literature of Shakespeare
- ENG218A - Horror, Fantasy, and Science Fiction
- ENG225 - Major American Writers-American
- ENG226 - Major American Writers-American
- ENG227 - British Literature I (673-1744)
- ENG228 - British Literature II (1750-Today)
- ENG231 - Themes in Women's Literature
- GEOG104 - Cultural Geography
- GEOG105 - World Regional Geography
- MU103A - Music Appreciation
- PHIL105 - World Religions
- PHIL203 - Philosophy of Religion
- TH201 - Introduction to Theater History

---OR---

Economics

Any Economics course

---OR---

Foreign Language

Any Foreign Language course

---OR---

History

Any History course

---OR---

Humanities

Any Humanities course

---OR---

Political Science

Any Political Science course

---OR---

Psychology

Any Psychology course

———— OR ————

Sociology

Any Sociology course

———— OR ————

Women's Studies

Any Women's Studies course

Physical Education- 2 credits

Fulfill ANY of the following requirements:

Option 1:

Fulfill ALL of the following requirements:

PEA

Complete ANY of the following Courses:
- PEA101A - Fitness, Wellness and Nutrition
- PEA103 - Weight Training
- PEA104A - Walking, Jogging and Conditioning
- PEA118 - Cycling
- PEA201 - Aerobic Movement for Fitness

———— AND ————

Physical Education or Dance course

Any PEA/DNC course

———— OR ————

Option 2:

Enroll in the following Courses:
- PEA121 - Human Movement Science

Electives

35 credits

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

Communication Requirement
Problem Solving Course
Ethical Reasoning & Creativity
Electives (6 credits)- Meet with a counselor
PEA Requirement

Winter Semester

Communication Requirement
Science & Technology Requirement
Ethical Reasoning & Creativity
Personal Social & Cultural Awareness
PEA Requirement

Year 2

Fall Semester

Electives (15 credits)- Meet with a counselor

Winter Semester

Electives (16 credits)- Meet with a counselor

APRE_CERT - Apprenticeship Certificate

Overview

Department Title
Tech Related

Program Description
This certificate program provides students with the foundation skills necessary to complete the academic portion of their apprenticeship. Students will learn basic technical skills required to build, install, repair, and service industrial equipment. Students who are interested in enrolling in this program must be a registered apprentice.

Degree
APRE - Apprenticeship

Requirements

Simple Requisites

Subplan

Certificate Requirements-24 credits
Type
Completion Requirement

Required Math 3-5 credits

Complete at least 1 of the following courses:
- TMAT101A - Technical Math I
- TMAT102A - Technical Math II
- TMAT201 - Technical Math III
- MATH109A - College Algebra
- MATH141 - Precalculus

Electives 19-21 credits

Earn at least 19 credits from the following:
- AMT129A - Introduction to Technology
- ARE115 - Wind Turbine & Solar Array Installation
- CAD110 - Introduction to Computer-Aided Drafting
- CAD150 - Blueprint Reading
- CAD151 - Geometric Dimensioning & Tolerancing
- CAD210 - Parametric Design I-Part Modeling
- CAD250 - Introduction to SolidWorks 3D
- CAD254 - Solidworks II
- CAD255 - Introduction to Siemens Nx
- CAD260 - CAD CAPSTONE
- ELTC101AL&L - Electricity-Basic
- ELTC103 - Residential Wiring
- ELTC104A - Basic Industrial Robotics

- ELTC106 - Fire Alarm Systems
- ELTC150 - Industrial Electricity
- ELTC152 - National Electrical Code
- ELTC160L&L - Programmable Controllers
- ELTC203 - Advanced Programmable Controllers
- ELTC204A - Advanced Industrial Robotics
- ELTC210 - Industrial Communications
- ELTC220 - Electrical Troubleshooting
- ELTR101A - Electronics-Basic
- ELTR102B - Electronics 1: Active Devices
- ELTR112A - Digital Electronics I
- ELTR202B - Industrial Electronic Systems
- ELTR212A - Biomedical Instrumentation II
- ELTR214 - Biomedical Instrumentation I
- ENGR105 - Introduction to Engineering
- HE110 - Industrial Safety and Workplace Training
- HP101 - Hydraulics/Pneumatics
- HP201 - Advanced Hydraulics
- MET101 - Industrial Materials
- MET102 - Basic Cast Metals
- MET201 - Metallurgy
- MT101B - Basic Machining
- MT102A - Intermediate Machining
- MT103A - Advanced Machining
- MT150 - Machinery Handbook
- MT205A - NC/CNC Numerical Control/Computer
- MT206A - 2-D CAD/CAM Computer-Aided
- MT216 - 3-D CAD/CAM Computer-Aided Design/Mach
- MT218 - 5-Axis CNC & CMM
- MT222 - Machining Capstone
- MT240 - Basic Machine Repair
- PEA103 - Weight Training
- QC101 - Basic Quality Control
- TECH200 - Applied Alternative & Renewable Energy
- TECH201A - Introduction to Mechatronics
- TECH290CI - Cooperative Internship
- W101A - Basic Welding
- W102A - Gas Metal Arc Welding (MIG)
- W103A - Gas Tungsten Arc Welding (TIG)
- W105 - Shielded Metal Arc Welding
- W201 - Structural Welding
- W202A - Pipe Welding
- W206 - Metal Fabrication

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

Math
Electives (4-16 credits-meet with a counselor)

Winter Semester

Electives (5-20 credits- Meet with a counselor)

ARTPW.ASA - Arts Pathway Associate in Science and Arts

Overview

Department Title
Humanities

Program Description
The Art Pathway degree will prepare students who plan to transfer to a participating four-year college or university and work towards a bachelor's degree in Art, Fine Arts or Graphic Design, dependent on the signed agreement by the four-year college or university.

Degree
ASA - Associate in Science and Arts

Requirements

Simple Requisites

Subplan

Program Requirements- 62 credits
Type
Completion Requirement

English

Enroll in the following Courses:
- ENG101 - English Composition
- ENG102 - English Composition

Science

Fulfill ALL of the following requirements:

Science Lab Course

Fulfill ANY of the following requirements:

Science lab course

Complete ANY of the following Courses:
- ENV110L&L - Environmental Science
- GEOG101A - Physical Geography - Lecture and Lab
- GEOG215 - Introduction to Weather and Climate
- GEOL101A - Introduction to Physical Geology
- GEOL102 - Introduction to Earth History
- PHSC101A - Introductory Physical Science L& L
- PHYS201CL&L - College Physics I Lecture and Lab
- PHYS202CL&L - Principles of Physics Lecture & Lab
- PHYS203L&L - Engineering Physics Lecture & Lab
- PHYS204L&L - Engineering Physics Lecture & Lab

——— OR ———

Biology

Any Biology course with lab

——— OR ———

Chemistry

Any Chemistry course with lab

——— AND ———

Non-Lab course:

Complete ANY of the following Courses:
- ANTH105D - Intro to Phys Anthropology/Archaeology
- ASTR101 - General Astronomy
- ASTR105A - Cosmology
- BIOL115 - Intro to Anatomy and Physiology
- BIOL200 - Introductory Evolution
- BIOL207LEC - Microbiology Lecture
- GEOG214 - Science of Climate Change
- GEOG260 - Geoscience Field Experience
- GEOL100 - Natural Disasters

Math

Complete ANY of the following Courses:
- MATH107A - Mathematics for Liberal Arts
- MATH109A - College Algebra
- MATH115A - Probability and Statistics
- MATH141 - Precalculus
- MATH161 - Calculus I
- MATH162A - Calculus II
- MATH215A - Statistics for Science & Engineering
- MATH276 - Linear Algebra With Applications
- MATH283 - Calculus III
- MATH295 - Differential Equations w/Linear Algebra

Ethics and Logic

Complete ANY of the following Courses:
- PHIL101 - Basic Concepts of Philosophy
- PHIL102 - Principles of Logic
- PHIL104 - Symbolic Logic
- PHIL202 - Introduction to Ethics
- PHIL203 - Philosophy of Religion
- PHIL204 - Biomedical Ethics
- PHIL205 - Business Ethics
- PHIL207 - Environmental Ethics

Social Relations

Complete ANY of the following Courses:
- ECON101A - Principles of Macroeconomics
- ECON102A - Principles of Microeconomics
- PSYC102 - Applied Psychology
- PSYC201 - General Psychology
- PSYC203 - Abnormal Psychology
- PSYC207 - Life Span Development
- PSYC209 - Psychological Disorders of Childhood
- PSYC210 - Social Psychology
- SOC101 - Principles of Sociology
- SOC102A - Race, Ethnicity, & Immigration
- SOC202A - Modern Social Problems
- SOC203 - Introduction to Social Work
- SOC205 - Marriage and Family
- SOC206 - Introduction to Aging
- WGS101 - Intro to Women's & Gender Studies
- WGS201 - LGBTQ Studies

Western Culture

Enroll in the following Courses:
- ART198 - Art History I: Ancient Art - Renaissance

American Culture

Complete ANY of the following Courses:
- HIST201 - United States to 1877
- HIST202 - U.S. From Reconstruction-Present
- HIST207 - African American History
- HIST211 - Michigan History
- HIST212B - Gettysburg Battlefields
- HIST214 - Siege of Vicksburg-US Civil War
- HIST220 - Labor Studies
- PSCI111 - Introduction to American Government
- PSCI205 - Contemporary Political Issues in US
- PSCI220 - Labor Studies

Aesthetic Values

Enroll in the following Courses:
- ART104 - Drawing I

Physical Education

Fulfill ANY of the following requirements:

Option 1:

Fulfill ALL of the following requirements:

PEA course 1 credit

Complete ALL of the following Courses:
- PEA101A - Fitness, Wellness and Nutrition
- PEA103 - Weight Training
- PEA104A - Walking, Jogging and Conditioning
- PEA118 - Cycling
- PEA201 - Aerobic Movement for Fitness

————— **AND** —————

One PEA/DNC course

1 credit

————— **OR** —————

Option 2 (3 credits):

Enroll in the following Courses:
- PEA121 - Human Movement Science

Program Specific Courses- 9 credits

Complete ALL of the following Courses:
- ART199 - Art History II - Renaissance Art/Modern
- ART105B - Two-Dimensional Form and Surface
- ART117 - Three-Dimensional Form and Space

Computer Competency

Fulfill ANY of the following requirements:

CIS Class- 3 credits

Pass any 3-credit-hour or greater CIS class with a "C" or better.

————— **OR** —————

CIS Competency Test

Pass MCC's CIS-110/120A Computer Competency Test

Recommended Electives- 18 credits

Complete ANY of the following Courses:
- ART106B - Beginning Printmaking: Relief & Monotype
- ART107 - Painting I
- ART108 - Ceramics I
- ART109 - Sculpture I
- ART118 - Beginning Printmaking Intaglio
- ART202 - Contemporary Art History
- ART204B - Drawing II (Transfer Portfolio Prep)
- ART214 - Photography 35MM Black/White
- ART220 - Figure Drawing

Additional Comments:

No Requirement Level

Degree Maps
Degree Maps

Year 1

Fall Semester
ENG101
ART105B
ART198
ART104
CIS110 or CIS120A

Winter Semester
ENG102
ART199
ART117
Math Requirement
Physical Education Requirement (2 credits)

Year 2

Fall Semester
Art Studio Elective
Science Requirement
Ethics/Logic Requirement
American Culture Requirement
Social Relationships

Winter Semester
Art Studio Elective
Science with Lab Requirement
International Culture Requirement
Electives (6 credits)

ASA.ASA - Associate in Science and Arts

Overview
Department Title
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Program Description

This degree is for students intending to transfer to a four-year college or university. If you wish to major in a program that requires you to transfer to a four year college, such as Social Work or Computer Science, the courses you need to take are outlined in the transfer guides available online at www.muskegoncc.edu. These programs are planned to enable students to transfer to bachelor degree-granting colleges and universities with advanced standing. Students graduating from Muskegon Community College with an Associate in Science and Arts Degree are generally admitted to the bachelor degree-granting institutions with junior year standing.

Degree
ASA - Associate in Science and Arts

Requirements
Simple Requisites

Subplan

General Education Requirements
Type
Completion Requirement

Communication

6 credits with grades of "C" or better

Complete ALL of the following Courses:
- ENG101 - English Composition
- ENG102 - English Composition

Science

6 credits with grades of "C" or better. Courses must be in two or more disciplines (subjects). Must include at least one lab science.

Fulfill ALL of the following requirements:

Lab Classes

Fulfill ANY of the following requirements:

Biology

Complete at least 1 courses in the following course sets:
- Untitled Course set

—— OR ——

Chemistry

Complete at least 1 courses in the following course sets:
- Untitled Course set

—— OR ——

Environmental Science

Complete ANY of the following Courses:
- ENV110L&L - Environmental Science

—— OR ——

Geography

Complete ANY of the following Courses:
- GEOG101A - Physical Geography - Lecture and Lab
- GEOG215 - Introduction to Weather and Climate

— OR —

Geology

Complete ANY of the following Courses:
- GEOL101A - Introduction to Physical Geology
- GEOL102 - Introduction to Earth History

— OR —

Physical Science

Complete ANY of the following Courses:
- PHSC101A - Introductory Physical Science L& L

— OR —

Physics

Complete ANY of the following Courses:
- PHYS201CL&L - College Physics I Lecture and Lab
- PHYS202CL&L - Principles of Physics Lecture & Lab
- PHYS203L&L - Engineering Physics Lecture & Lab
- PHYS204L&L - Engineering Physics Lecture & Lab

— AND —

Non-Lab Classes

Fulfill ANY of the following requirements:

Anthropology

Complete ANY of the following Courses:
- ANTH105D - Intro to Phys Anthropology/Archaeology

— OR —

Astronomy

Complete ANY of the following Courses:
- ASTR101 - General Astronomy
- ASTR105A - Cosmology

— OR —

Biology

Complete ANY of the following Courses:
- BIOL115 - Intro to Anatomy and Physiology
- BIOL200 - Introductory Evolution
- BIOL207LEC - Microbiology Lecture

— OR —

Geography

Complete ANY of the following Courses:
- GEOG214 - Science of Climate Change
- GEOG260 - Geoscience Field Experience

— OR —

Geology

Complete ANY of the following Courses:
- GEOL100 - Natural Disasters

Math

3 credits with grades of "C" or better.

Complete ANY of the following Courses:
- MATH107A - Mathematics for Liberal Arts
- MATH109A - College Algebra
- MATH115A - Probability and Statistics
- MATH141 - Precalculus
- MATH161 - Calculus I
- MATH162A - Calculus II
- MATH215A - Statistics for Science & Engineering
- MATH276 - Linear Algebra With Applications
- MATH283 - Calculus III
- MATH295 - Differential Equations w/Linear Algebra

Ethics and Logic

3 credits with grades of "C" or better.

Complete ANY of the following Courses:
- PHIL101 - Basic Concepts of Philosophy
- PHIL102 - Principles of Logic
- PHIL104 - Symbolic Logic
- PHIL202 - Introduction to Ethics
- PHIL203 - Philosophy of Religion
- PHIL204 - Biomedical Ethics
- PHIL205 - Business Ethics
- PHIL207 - Environmental Ethics

Social Relationships

3 credits with grades of "C" or better

Fulfill ANY of the following requirements:

Economics

Complete ANY of the following Courses:
- ECON101A - Principles of Macroeconomics
- ECON102A - Principles of Microeconomics

— OR —

Psychology

Complete ANY of the following Courses:
- PSYC102 - Applied Psychology
- PSYC201 - General Psychology
- PSYC203 - Abnormal Psychology
- PSYC207 - Life Span Development
- PSYC209 - Psychological Disorders of Childhood
- PSYC210 - Social Psychology

— OR —

Sociology

Complete ANY of the following Courses:
- SOC101 - Principles of Sociology

- SOC102A - Race, Ethnicity, & Immigration
- SOC202A - Modern Social Problems
- SOC203 - Introduction to Social Work
- SOC205 - Marriage and Family
- SOC206 - Introduction to Aging

—— OR ——

Women and Gender Studies

Complete ANY of the following Courses:
- WGS101 - Intro to Women's & Gender Studies
- WGS201 - LGBTQ Studies

Western Culture

3 credits with grades of "C" or better.

Fulfill ANY of the following requirements:

Art

Complete ANY of the following Courses:
- ART198 - Art History I: Ancient Art - Renaissance
- ART199 - Art History II - Renaissance Art/Modern
- ART202 - Contemporary Art History

—— OR ——

English

Complete ANY of the following Courses:
- ENG200A - Heroes of Early Western Literature
- ENG201A - Heroes of Later Western Literature
- ENG205 - Introduction to Poetry
- ENG210 - The Nature of Language
- ENG213 - Literature of Shakespeare
- ENG225 - Major American Writers-American
- ENG226 - Major American Writers-American
- ENG227 - British Literature I (673-1744)
- ENG228 - British Literature II (1750-Today)
- ENG231 - Themes in Women's Literature

—— OR ——

History

Complete ANY of the following Courses:
- HIST101 - Western Civilization to 1500
- HIST102 - Western Civilization -1500 to Present

—— OR ——

Humanities

Complete ANY of the following Courses:
- HUM195 - Introduction to Humanities

—— OR ——

Theater

Complete ANY of the following Courses:

- TH201 - Introduction to Theater History

American Culture

3 credits with grades of "C" or better.

Fulfill ANY of the following requirements:

History

Complete ANY of the following Courses:
- HIST201 - United States to 1877
- HIST202 - U.S. From Reconstruction-Present
- HIST207 - African American History
- HIST211 - Michigan History
- HIST212B - Gettysburg Battlefields
- HIST214 - Siege of Vicksburg-US Civil War
- HIST220 - Labor Studies

—— OR ——

Political Science

Complete ANY of the following Courses:
- PSCI111 - Introduction to American Government
- PSCI205 - Contemporary Political Issues in US
- PSCI220 - Labor Studies

International Culture

3 credits with grades of "C" or better.

Fulfill ANY of the following requirements:

Anthropology

Complete ANY of the following Courses:
- ANTH103 - Cultural Diversity in Contemp. Society
- ANTH110 - Introduction to Cultural Anthropology

—— OR ——

English

Complete ALL of the following Courses:
- ENG207 - Literature of Race & Ethnicity
- ENG218A - Horror, Fantasy, and Science Fiction
- ENG220 - Graphic Novels

—— OR ——

French

Complete ANY of the following Courses:
- FR101 - Basic French
- FR102 - Basic French
- FR201 - Intermediate French
- FR202 - Intermediate French

—— OR ——

Geography

Complete ANY of the following Courses:
- GEOG104 - Cultural Geography

- GEOG105 - World Regional Geography

OR

German

Complete ANY of the following Courses:
- GER101 - Basic German
- GER102 - Basic German

OR

History

Complete ANY of the following Courses:
- HIST150 - World History to 1500 CE
- HIST151 - World History From 1500 CE
- HIST216 - Introduction to World War II

OR

International Cultural Studies

Complete ANY of the following Courses:

OR

Philosophy

Complete ANY of the following Courses:
- PHIL105 - World Religions

OR

Political Science

Complete ANY of the following Courses:
- PSCI202 - International Relations
- PSCI210A - Int'l Organizations United Nations
- PSCI210B - International Organizations/Arab League
- PSCI211 - Comparative World Governments

OR

Spanish

Complete ANY of the following Courses:
- SPAN101 - Basic Spanish
- SPAN102 - Basic Spanish - Second Semester
- SPAN201 - Intermediate Spanish
- SPAN202 - Intermediate Spanish

Aesthetic Values

3 credits

Fulfill ANY of the following requirements:

Art

Complete ANY of the following Courses:
- ART100A - Art Appreciation
- ART104 - Drawing I

- ART105B - Two-Dimensional Form and Surface
- ART106B - Beginning Printmaking: Relief & Monotype
- ART107 - Painting I
- ART108 - Ceramics I
- ART109 - Sculpture I
- ART117 - Three-Dimensional Form and Space
- ART118 - Beginning Printmaking Intaglio
- ART204B - Drawing II (Transfer Portfolio Prep)
- ART207 - Painting II
- ART208 - Ceramics II
- ART209 - Sculpture II
- ART214 - Photography 35MM Black/White
- ART215 - Intermediate Photography
- ART220 - Figure Drawing

OR

Dance

Complete ANY of the following Courses:
- DNC100 - Modern Dance I
- DNC101 - Modern Jazz Dance I
- DNC102 - Ballet I
- DNC106 - Social Dance I
- DNC200 - Modern Dance II
- DNC201 - Modern Jazz Dance II
- DNC206 - Social Dance II
- DNC210A - Repertory Dance Tour Company
- DNC210B - Repertory Dance Tour Company
- DNC210C - Repertory Dance Tour Group
- DNC210D - Repertory Dance Tour Company

OR

English

Complete ANY of the following Courses:
- ENG216 - Introduction to Film
- ENG223 - Poetry Writing Seminar

OR

Music

Complete at least 1 courses in the following course sets:
- Untitled Course set

OR

Theater

Complete ANY of the following Courses:
- TH101 - Theater Appreciation
- TH102 - Introduction to Acting I
- TH108 - Theater for Children
- TH121 - Introduction to Technical Theater
- TH122 - Theater Set and Lighting Design
- TH141 - Applied Theater-Acting
- TH142 - Applied Theater-Dance
- TH144 - Applied Theater-Costuming
- TH145 - Applied Theater-Scenery Construction
- TH147 - Applied Theater-Production Crew

- TH148 - Applied Theater-Performance
- TH160 - Acting for TV and Film
- TH202 - Introduction to Acting II
- TH203 - Reader's Theater
- TH204 - Improvisation for Actors
- TH217 - Creative Dramatics
- TH260 - Student Production Practicum

Physical Education

Minimum 2 credits. Choose ONE of the following options:

Fulfill ANY of the following requirements:

Option 1

Complete ANY of the following Courses:
- PEA101A - Fitness, Wellness and Nutrition
- PEA103 - Weight Training
- PEA104A - Walking, Jogging and Conditioning
- PEA118 - Cycling
- PEA201 - Aerobic Movement for Fitness

and any Physical Education, Dance, or Physical Education Professional 200.

— OR —

Option 2

Complete ALL of the following Courses:
- PEA121 - Human Movement Science

Computer Competency

Pass any 3-credit-hour or greater CIS class with a "C" or better, or pass MCC's CIS 110/120A Computer Competency Test.

Electives

Minimum 27 credits, chosen from courses above, or others reflecting your major or personal interests.

Additional Comments:

No Requirement Level

AUTE_CERT - Automotive Technician Certificate

Overview

Department Title
Automotive Tech

Program Description
The curriculum is designed to educate and train personnel to fill the mechanical, technical, and supervisory position in the automotive industry. Upon completing the porgram students will be prepared to work as an Auto Mechanic, Automotive Service Technician, Automotive Technician, or Automotive Parts Specialist. Students planning to transfer should consult with an MCC counselor. This is intended to go directly into the workforce.

Degree
AUTE - Automotive Technician

Requirements

Simple Requisites

Subplan

Certificate Requirements-30-32 credits
Type
Completion Requirement

Math Requirement 3-5 credits

Complete course(s) and earn 3 - 5 credits from the following:
- TMAT101A - Technical Math I
- TMAT102A - Technical Math II
- TMAT201 - Technical Math III
- MATH109A - College Algebra
- MATH141 - Precalculus

Required Courses- 27 credits

Complete ALL of the following Courses:
- AT114 - Automotive Power Plants - Engine
- AT120 - Introduction to Electrical Systems I
- AT121 - Electrical Systems II
- AT122 - Fuel Systems and Emission Controls
- AT123 - Engine Tune Up (drivability)
- AT150A - Automotive Brakes
- AT160A - Automotive Air Conditioning
- AT210 - Power Trains (Manual Drive Trains)
- AT212 - Alignment and Suspension

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

AT114
AT120
AT121
AT150A
AT210

Winter Semester

AT122
AT123
AT212
Math

Summer Semester

AT160A

AUTO.AAS - Automotive Technology-Associate in Applied Science

Overview

Department Title
Automotive Tech

Program Description

This curriculum is designed to educate and train personnel to fill the mechanical, technical, and supervisory positions in the automotive industry. Successful completion of the program leads to the degree of Associate in Applied Science. (Students may elect only those courses required to develop a particular skill without enrolling in the entire program of study that leads to a degree.) Students who wish to complete a program in two years are advised to use a sequence of courses recommended by their counselor or by the instructor. If a student wishes to attend college on less than a full-time basis, the program may be extended beyond two years.

Degree

AAS - Associate in Applied Science

Requirements

Simple Requisites

Subplan

Program Requirements- 60 credits

Type

Completion Requirement

General Education Requirements- 15-20 credits

Fulfill ALL of the following requirements:

English

Enroll in the following Courses:
- ENG101 - English Composition

— AND —

Choose 4:

Complete exactly 4 course(s) and earn 12 - 17 credits from the following:
- ANTH103 - Cultural Diversity in Contemp. Society
- BCOM102 - Adv Business & Technical Communications
- BUS127 - Human Relations
- COM201 - Public Speaking
- CSS100A - College Success Seminar
- ECON101A - Principles of Macroeconomics
- HUM195 - Introduction to Humanities
- MATH109A - College Algebra
- MATH141 - Precalculus
- PHIL102 - Principles of Logic
- PHIL202 - Introduction to Ethics
- SOC101 - Principles of Sociology
- TMAT101A - Technical Math I
- TMAT102A - Technical Math II
- TMAT201 - Technical Math III

Automotive Technology Requirements- 24 credits

Complete ALL of the following Courses:
- AT114 - Automotive Power Plants - Engine
- AT120 - Introduction to Electrical Systems I
- AT121 - Electrical Systems II
- AT122 - Fuel Systems and Emission Controls
- AT123 - Engine Tune Up (drivability)
- AT150A - Automotive Brakes
- AT210 - Power Trains (Manual Drive Trains)
- AT212 - Alignment and Suspension

Choose 1 Option- 17 credits

Fulfill ANY of the following requirements:

Option 1

Complete ALL of the following Courses:
- AT140 - Hybrid and Alternative Fuel
- AT160A - Automotive Air Conditioning
- AT211 - Automatic Transmissions
- AT214 - Service Management
- AT223 - Advanced Engine Performance
- AT230 - Automotive Service

— OR —

Option 2

Complete ALL of the following Courses:
- HIST101 - Western Civilization to 1500
- MATH161 - Calculus I
- PHYS201CL&L - College Physics I Lecture and Lab
- PSYC201 - General Psychology

Required Electives- 0-4 credits

Complete ANY of the following Courses:
- COM201 - Public Speaking
- CSS100A - College Success Seminar
- ECON101A - Principles of Macroeconomics
- HE110 - Industrial Safety and Workplace Training
- HP101 - Hydraulics/Pneumatics
- MET101 - Industrial Materials
- MET201 - Metallurgy
- MT101B - Basic Machining
- PHYS201CL&L - College Physics I Lecture and Lab
- W101A - Basic Welding
- TECH290CI - Cooperative Internship

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Option 1:

Year 1

Fall Semester

AT114
AT120
AT121
ENG101
Choose One from options in Program Requirement

Winter Semester

AT122
AT123
AT212
Choose One from options in Program Requirement

Summer Semester

AT160A
AT214

Year 2

Fall Semester

AT150A
AT210
AT223
Choose One from options in Program Requirement

Winter Semester

Choose One from options in Program Requirement
AT140
AT211
AT230

Option 2:

Year 1

Fall Semester

AT114
AT120
AT121
ENG101
Choose One from options in Program Requirement

Winter Semester

AT122
AT123
AT212
HIST101
Choose One from options in Program Requirement

Year 2

Fall Semester

AT150A
AT210
MATH161
Choose One from options in Program Requirement

Winter Semester

Choose One from options in Program Requirement
PHYS201CL&L
PSYC201

BCMP.ASA - Broadcasting/Multimedia/Performance ASA

Overview

Department Title
Business

Program Description
The Michigan Transfer Agreement Associate in Science and Arts (ASA) degrees are effective as of fall 2014. A minimum of 62 credit hours with a minimum cumulative 2.0 GPA is required for the ASA Degree. Courses numbered below 100 do not count toward the ASA. MCC and the Michigan Transfer Agreement require a "C" or better in courses used to meet ASA and MTA requirements.

Degree
ASA - Associate in Science and Arts

Requirements

Simple Requisites

> **Subplan**
>
> > **Program Requirements- 62 credits**
> > **Type**
> > Completion Requirement
> >
> > > **Communication- 6 credits**
> > >
> > > **Enroll in the following Courses:**
> > > - ENG101 - English Composition
> > > - ENG102 - English Composition
> >
> > > **Science- 6 credits**
> > >
> > > **Fulfill ALL of the following requirements:**
> > >
> > > > **Lab Classes:**
> > > >
> > > > **Fulfill ANY of the following requirements:**
> > > >
> > > > > Biology
> > > > >
> > > > > **Any MCC Biology course with lab**
> > > >
> > > > ──────── OR ────────
> > > >
> > > > > Chemistry
> > > > >
> > > > > **Any MCC Chemistry course with lab**
> > > >
> > > > ──────── OR ────────
> > > >
> > > > > Science with lab
> > > > >
> > > > > **Complete ANY of the following Courses:**
> > > > > - ENV110L&L - Environmental Science
> > > > > - GEOG101A - Physical Geography - Lecture and Lab
> > > > > - GEOG214 - Science of Climate Change
> > > > > - GEOG215 - Introduction to Weather and Climate
> > > > > - GEOL101A - Introduction to Physical Geology
> > > > > - GEOL102 - Introduction to Earth History
> > > > > - PHSC101A - Introductory Physical Science L& L
> > > > > - PHYS201CL&L - College Physics I Lecture and Lab
> > > > > - PHYS202CL&L - Principles of Physics Lecture & Lab
> > > > > - PHYS203L&L - Engineering Physics Lecture & Lab
> > > > > - PHYS204L&L - Engineering Physics Lecture & Lab
> > >
> > > ──────── AND ────────
> > >
> > > > **Non-Lab:**
> > > >
> > > > **Complete ANY of the following Courses:**
> > > > - ANTH105D - Intro to Phys Anthropology/Archaeology
> > > > - ASTR101 - General Astronomy
> > > > - ASTR105A - Cosmology
> > > > - BIOL200 - Introductory Evolution
> > > > - BIOL207LEC - Microbiology Lecture
> > > > - GEOL100 - Natural Disasters
> > > > - GEOG214 - Science of Climate Change
> > > > - GEOG260 - Geoscience Field Experience
> >
> > > **Math- 3 credits**
> > >
> > > **Complete ANY of the following Courses:**

- MATH107A - Mathematics for Liberal Arts
- MATH109A - College Algebra
- MATH115A - Probability and Statistics
- MATH141 - Precalculus
- MATH161 - Calculus I
- MATH162A - Calculus II
- MATH215A - Statistics for Science & Engineering
- MATH276 - Linear Algebra With Applications
- MATH283 - Calculus III
- MATH295 - Differential Equations w/Linear Algebra

Ethics and Logic- 3 credits

Complete ANY of the following Courses:
- PHIL101 - Basic Concepts of Philosophy
- PHIL102 - Principles of Logic
- PHIL104 - Symbolic Logic
- PHIL202 - Introduction to Ethics
- PHIL203 - Philosophy of Religion
- PHIL204 - Biomedical Ethics
- PHIL205 - Business Ethics
- PHIL207 - Environmental Ethics

Social Relationships- 3 credits

Complete ANY of the following Courses:
- ECON101A - Principles of Macroeconomics
- ECON102A - Principles of Microeconomics
- PSYC102 - Applied Psychology
- PSYC201 - General Psychology
- PSYC203 - Abnormal Psychology
- PSYC207 - Life Span Development
- PSYC209 - Psychological Disorders of Childhood
- PSYC210 - Social Psychology
- SOC101 - Principles of Sociology
- SOC102A - Race, Ethnicity, & Immigration
- SOC202A - Modern Social Problems
- SOC203 - Introduction to Social Work
- SOC205 - Marriage and Family
- SOC206 - Introduction to Aging
- WGS101 - Intro to Women's & Gender Studies
- WGS201 - LGBTQ Studies

Western Culture- 3 credits

Complete ANY of the following Courses:
- ART198 - Art History I: Ancient Art - Renaissance
- ART199 - Art History II - Renaissance Art/Modern
- ART202 - Contemporary Art History
- ENG200A - Heroes of Early Western Literature
- ENG201A - Heroes of Later Western Literature
- ENG205 - Introduction to Poetry
- ENG210 - The Nature of Language
- ENG213 - Literature of Shakespeare
- ENG225 - Major American Writers-American
- ENG226 - Major American Writers-American
- ENG227 - British Literature I (673-1744)
- ENG228 - British Literature II (1750-Today)
- ENG231 - Themes in Women's Literature
- HIST101 - Western Civilization to 1500
- HIST102 - Western Civilization -1500 to Present
- HUM195 - Introduction to Humanities
- TH201 - Introduction to Theater History

American Culture- 3 credits

Complete ANY of the following Courses:
- HIST201 - United States to 1877
- HIST202 - U.S. From Reconstruction-Present
- HIST207 - African American History
- HIST211 - Michigan History
- HIST212B - Gettysburg Battlefields
- HIST214 - Siege of Vicksburg-US Civil War
- HIST220 - Labor Studies
- PSCI111 - Introduction to American Government
- PSCI205 - Contemporary Political Issues in US
- PSCI220 - Labor Studies

International Culture- 3 credits

Complete ANY of the following Courses:
- ANTH103 - Cultural Diversity in Contemp. Society
- ANTH110 - Introduction to Cultural Anthropology
- ENG207 - Literature of Race & Ethnicity
- ENG211 - Literature of World Mythology
- ENG218A - Horror, Fantasy, and Science Fiction
- FR101 - Basic French
- FR102 - Basic French
- FR201 - Intermediate French
- FR202 - Intermediate French
- GEOG104 - Cultural Geography
- GEOG105 - World Regional Geography
- GER101 - Basic German
- GER102 - Basic German
- HIST150 - World History to 1500 CE
- HIST151 - World History From 1500 CE
- HIST216 - Introduction to World War II
- PHIL105 - World Religions
- PSCI202 - International Relations
- PSCI210A - Int'l Organizations United Nations
- PSCI210B - International Organizations/Arab League
- PSCI211 - Comparative World Governments
- SPAN101 - Basic Spanish
- SPAN102 - Basic Spanish - Second Semester
- SPAN201 - Intermediate Spanish
- SPAN202 - Intermediate Spanish

Aesthetic Values- 3 credits

Enroll in the following Courses:
- TH160 - Acting for TV and Film

Physical Education and Health- 2 credits

Fulfill ANY of the following requirements:

Option 1:

Fulfill ALL of the following requirements:

One credit must be from:

Complete ANY of the following Courses:
- PEA101A - Fitness, Wellness and Nutrition
- PEA103 - Weight Training
- PEA104A - Walking, Jogging and Conditioning
- PEA118 - Cycling
- PEA201 - Aerobic Movement for Fitness

———————————— **AND** ————————————

One credit from:

Any PEA/DNC course

— OR —

Option 2:

Enroll in the following Courses:
- PEA121 - Human Movement Science

Program Required Courses-25 credits

Fulfill ALL of the following requirements:

Required Courses

Complete ALL of the following Courses:
- COM101 - Oral Communications
- COM102 - Mass Media
- COM107 - Introduction to Journalism
- COM112 - Audio Production
- COM113 - Practical Radio
- COM201 - Public Speaking
- COM212 - Television Production

— AND —

Choose one from the following:

Complete exactly 1 course(s) and earn exactly 3 credits from the following:
- CIS110 - Computer Concepts
- CIS120A - Intro to Computer Information Systems

— AND —

Choose one from the following:

Complete ANY of the following Courses:
- TH102 - Introduction to Acting I
- TH203 - Reader's Theater

Recommended Electives- minimum 2 credits

Complete ANY of the following Courses:
- BUS263 - Advertising Dynamics
- CIS119PP - Introduction to Presentation Graphics
- CIS287A - Digital Video Editing and Production
- COM203 - Introduction to Cinema
- COM290CI - Cooperative Internship
- ENG222 - Creative Writing
- GRD120 - Introduction to Graphic Design

Additional Comments:

No Requirement Level

Degree Maps
Degree Maps

Year 1

Fall Semester

ENG 101
CIS110 or CIS120A
COM101
COM112
CHOOSE 1: PEA101A, PEA103, PEA104A, PEA118, or PEA201

Winter Semester

ENG102
COM113
PSYC201 (Social Relationships)
Western Culture
COM203
DNC or PEA

Year 2

Fall Semester

COM107
TH102
ENG207
TH160
COM102
Science W/Lab

Winter Semester

COM212
COM201
Ethics/Logic
Science (W/out Lab)
American Culture

BCMT.AAS - Broadcasting and Multimedia/Technical - AAS

Overview

Department Title
Business

Program Description
The Broadcasting and Multimedia/Technical curriculum is designed to prepare students for entry into the production side of television, radio, and related careers in news media. Core requirement classes strive to provide real world experience within the college's radio and television stations. As broadcasting transitions to digital delivery and expands to web and other new media methods of reaching listeners and viewers, this curriculum requires students to broaden their experiences to include networking, web design and graphic design. This program is not designed to transfer to a four-year institution. Any student wishing to transfer to a four-year college is urged to consult with a counselor.

Degree
AAS - Associate in Applied Science

Requirements

Simple Requisites

Subplan
Program Requirements- 62 credits

Type

Completion Requirement

General Education Requirements- 20-22 credits

Fulfill ALL of the following requirements:

Communication

Complete ALL of the following Courses:
- ENG101 - English Composition
- BCOM102 - Adv Business & Technical Communications

— AND —

Math

Complete exactly 1 course(s) and earn 3 - 4 credits from the following:
- BUS126 - Business Mathematics
- MATH109A - College Algebra

— AND —

Computer

Complete exactly 1 course(s) and earn exactly 3 credits from the following:
- CIS110 - Computer Concepts
- CIS120A - Intro to Computer Information Systems

— AND —

Social Science

Complete exactly 1 course(s) and earn 3 - 4 credits from the following:
- GEOG104 - Cultural Geography
- PHIL205 - Business Ethics
- PSCI111 - Introduction to American Government
- PSCI211 - Comparative World Governments
- PSYC102 - Applied Psychology
- PSYC201 - General Psychology

— AND —

PEA-2 credits

Fulfill ALL of the following requirements:

PEA

Complete ANY of the following Courses:
- PEA101A - Fitness, Wellness and Nutrition
- PEA103 - Weight Training
- PEA104A - Walking, Jogging and Conditioning
- PEA118 - Cycling
- PEA201 - Aerobic Movement for Fitness

— AND —

1 PEA credit

Any PEA/DNC credit of choice

Broadcasting and Multimedia/Technical Core Requirements- 34 credits

Complete ALL of the following Courses:

- CIS109A - Comptia A+ Part A
- CIS143A - Windows Server Admin I
- CIS287A - Digital Video Editing and Production
- COM101 - Oral Communications
- COM102 - Mass Media
- COM112 - Audio Production
- COM113 - Practical Radio
- COM212 - Television Production
- COM290CI - Cooperative Internship
- ART105B - Two-Dimensional Form and Surface
- GRD120 - Introduction to Graphic Design
- MATH121 - Pre-STEM College Algebra

Recommended Electives- 6-8 credits

Complete ANY of the following Courses:
- BUS200 - International Business
- BUS263 - Advertising Dynamics
- COM107 - Introduction to Journalism
- COM201 - Public Speaking
- COM203 - Introduction to Cinema
- ENG222 - Creative Writing
- GRD103 - Introduction to Photoshop

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

ENG 101
CIS110 or CIS120A
COM101
COM112
BUS127 or BUS166
CHOOSE 1: PEA101A, PEA103, PEA104A, PEA118, or PEA201

Winter Semester

BCOM102
CHOOSE 1: GEOG104, PHIL205, PSCI111, PSCI211, PSYC102 or PSYC201
CIS287A
COM113
GRD120

Year 2

Fall Semester

TH121
CIS109A
CIS143A
COM102
BUS122 or BUS125

Winter Semester

COM212
COM290CI
ART105B

BUS126 or MATH109A
GRD103
One PEA/DNC

BIOPW.ASA - Biology Pathway Associate in Science and Arts

Overview

Program Description
The MiTransfer Pathway Associate in Science and Arts (ASA) degree includes the Michigan Transfer Agreement (MTA) and is designed for students who plan to transfer to a four-year college or university and major in a particular discipline.

Degree
ASA - Associate in Science and Arts

Requirements

Simple Requisites

Subplan

Program Requirements- 62 credits
Type
Completion Requirement

Communication- 6 credits

Enroll in the following Courses:
- ENG101 - English Composition
- ENG102 - English Composition

Science- 6 credits- from 2 or more disciplines/subjects.

Fulfill ALL of the following requirements:

Lab Courses

Enroll in the following Courses:
- BIOL130L&L - General Biology I
- CHEM101A - General and Inorganic Chemistry Lab
- CHEM101LEC - General and Inorganic Chemistry Lecture

Math- 3 credits

Complete ANY of the following Courses:
- MATH109A - College Algebra
- MATH115A - Probability and Statistics
- MATH141 - Precalculus
- MATH161 - Calculus I
- MATH162A - Calculus II
- MATH283 - Calculus III

Ethics and Logic- 3 credits

Complete ANY of the following Courses:
- PHIL101 - Basic Concepts of Philosophy
- PHIL102 - Principles of Logic
- PHIL104 - Symbolic Logic
- PHIL202 - Introduction to Ethics
- PHIL203 - Philosophy of Religion
- PHIL204 - Biomedical Ethics
- PHIL205 - Business Ethics
- PHIL207 - Environmental Ethics

Social Relationships- 3 credits

Complete ALL of the following Courses:
- ECON101A - Principles of Macroeconomics
- ECON102A - Principles of Microeconomics
- PSYC102 - Applied Psychology
- PSYC201 - General Psychology
- PSYC203 - Abnormal Psychology
- PSYC207 - Life Span Development
- PSYC209 - Psychological Disorders of Childhood
- PSYC210 - Social Psychology
- SOC101 - Principles of Sociology
- SOC102A - Race, Ethnicity, & Immigration
- SOC202A - Modern Social Problems
- SOC203 - Introduction to Social Work
- SOC205 - Marriage and Family
- SOC206 - Introduction to Aging
- WGS101 - Intro to Women's & Gender Studies
- WGS201 - LGBTQ Studies

Western Culture- 3 credit

Complete ANY of the following Courses:
- ART198 - Art History I: Ancient Art - Renaissance
- ART199 - Art History II - Renaissance Art/Modern
- ART202 - Contemporary Art History
- ENG200A - Heroes of Early Western Literature
- ENG205 - Introduction to Poetry
- ENG210 - The Nature of Language
- ENG213 - Literature of Shakespeare
- ENG225 - Major American Writers-American
- ENG226 - Major American Writers-American
- ENG227 - British Literature I (673-1744)
- ENG228 - British Literature II (1750-Today)
- ENG231 - Themes in Women's Literature
- HIST101 - Western Civilization to 1500
- HIST102 - Western Civilization -1500 to Present
- HUM195 - Introduction to Humanities
- TH201 - Introduction to Theater History

American Culture- 3 credits

Complete ANY of the following Courses:
- HIST201 - United States to 1877
- HIST202 - U.S. From Reconstruction-Present
- HIST207 - African American History
- HIST211 - Michigan History
- HIST212B - Gettysburg Battlefields
- HIST214 - Siege of Vicksburg-US Civil War
- HIST220 - Labor Studies
- PSCI111 - Introduction to American Government
- PSCI205 - Contemporary Political Issues in US
- PSCI220 - Labor Studies

International Culture- 3 credits

Complete ANY of the following Courses:
- ANTH103 - Cultural Diversity in Contemp. Society
- ANTH110 - Introduction to Cultural Anthropology
- ENG207 - Literature of Race & Ethnicity
- ENG211 - Literature of World Mythology
- ENG218A - Horror, Fantasy, and Science Fiction
- FR101 - Basic French
- FR102 - Basic French
- FR201 - Intermediate French

- FR202 - Intermediate French
- GEOG104 - Cultural Geography
- GEOG105 - World Regional Geography
- GER101 - Basic German
- GER102 - Basic German
- HIST150 - World History to 1500 CE
- HIST151 - World History From 1500 CE
- HIST216 - Introduction to World War II
- PHIL105 - World Religions
- PSCI202 - International Relations
- PSCI210A - Int'l Organizations United Nations
- PSCI210B - International Organizations/Arab League
- PSCI211 - Comparative World Governments
- SPAN101 - Basic Spanish
- SPAN102 - Basic Spanish - Second Semester
- SPAN201 - Intermediate Spanish
- SPAN202 - Intermediate Spanish

Aesthetic Values- 3 credit

Complete ANY of the following Courses:
- ART100A - Art Appreciation
- ART104 - Drawing I
- ART105B - Two-Dimensional Form and Surface
- ART106B - Beginning Printmaking: Relief & Monotype
- ART107 - Painting I
- ART108 - Ceramics I
- ART109 - Sculpture I
- ART117 - Three-Dimensional Form and Space
- ART118 - Beginning Printmaking Intaglio
- ART204B - Drawing II (Transfer Portfolio Prep)
- ART207 - Painting II
- ART208 - Ceramics II
- ART209 - Sculpture II
- ART214 - Photography 35MM Black/White
- ART215 - Intermediate Photography
- ART220 - Figure Drawing
- DNC100 - Modern Dance I
- DNC101 - Modern Jazz Dance I
- DNC102 - Ballet I
- DNC106 - Social Dance I
- DNC200 - Modern Dance II
- DNC201 - Modern Jazz Dance II
- DNC206 - Social Dance II
- DNC210A - Repertory Dance Tour Company
- DNC210B - Repertory Dance Tour Company
- DNC210C - Repertory Dance Tour Group
- DNC210D - Repertory Dance Tour Company
- ENG216 - Introduction to Film
- ENG223 - Poetry Writing Seminar
- MU100 - Introduction to Music Theory
- MU101 - Music Theory
- MU102 - Music Theory
- MU103A - Music Appreciation
- MU192 - Music for the Classroom Teacher
- MU193A - Hip-Hop, Rock, and All the World's Music
- MU194 - Sight Reading and Ear Training
- MU195 - Sight Reading and Ear Training
- MU201 - Advanced Theory
- MU202 - Advanced Theory
- TH101 - Theater Appreciation
- TH102 - Introduction to Acting I
- TH108 - Theater for Children
- TH121 - Introduction to Technical Theater

- TH122 - Theater Set and Lighting Design
- TH141 - Applied Theater-Acting
- TH142 - Applied Theater-Dance
- TH144 - Applied Theater-Costuming
- TH145 - Applied Theater-Scenery Construction
- TH147 - Applied Theater-Production Crew
- TH148 - Applied Theater-Performance
- TH160 - Acting for TV and Film
- TH202 - Introduction to Acting II
- TH203 - Reader's Theater
- TH204 - Improvisation for Actors
- TH212 - Summer Theater Workshop
- TH217 - Creative Dramatics
- TH260 - Student Production Practicum

Physical Education- 2-3 credits

Fulfill ANY of the following requirements:

Option 1 (2 credits):

Fulfill ALL of the following requirements:

PEA- 1 credit

Complete ANY of the following Courses:
- PEA101A - Fitness, Wellness and Nutrition
- PEA103 - Weight Training
- PEA104A - Walking, Jogging and Conditioning
- PEA118 - Cycling
- PEA201 - Aerobic Movement for Fitness

————— **AND** —————

PEA- 1 credit

Any PEA/DNC course

————— **OR** —————

Option 2 (3 credits):

Enroll in the following Courses:
- PEA121 - Human Movement Science

Program Specific Courses- 19 credits

Complete ALL of the following Courses:
- BIOL131L&L - General Biology II
- CHEM102A - General and Inorganic Chemistry-Lab
- CHEM102LEC - General and Inorganic Chemistry-Lecture
- CHEM201E - Organic Chemistry I - Lecture
- CHEM201F - Organic Chemistry I - Lab
- CHEM202F - Organic Chemistry-Lecture
- CHEM202G - Organic Chemistry-Lab

Computer Competency

Fulfill ANY of the following requirements:

CIS Course

Pass any 3-credit-hour or greater CIS class with a "C" or better

————— **OR** —————

Competency Test

Pass MCC's CIS-110/120A Computer Competency Test

Electives- Minimum 8-credits

Elective credits will be comprised of additional required class credits earned in the general education requirements. Please work with an MCC counselor and refer to the transfer guide from 4 year institution to select courses to transfer.

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

ENG101
BIOL130L&L
CHEM101LEC
CHEM100A
Physical Education Requirement (1 credit)
Western Culture Requirement

Winter Semester

ENG102
CIS110 or CIS120A
CHEM102LEC
CHEM102A
BIOL131L&L
Physical Education Requirement (1 credit)

Year 2

Fall Semester

CHEM201E
CHEM201F
Math Requirement
American Culture Requirement
Social Relationships

Winter Semester

CHEM202F
CHEM202G
Aesthetic Values
Ethics & Logic
International Culture

BUSPW.ASA - Business Pathway Associates in Science and Arts

Overview

Program Description

The MiTransfer Pathway Associate in Science and Arts (ASA) degree includes the Michigan Transfer Agreement (MTA) and is designed for students who plan to transfer to a four-year college or university and major in a particular discipline.

Degree
ASA - Associate in Science and Arts

Requirements

Simple Requisites

Subplan

Program Requirements- 62 credits
Type
Completion Requirement

Communication- 6 credits

Enroll in the following Courses:
- ENG101 - English Composition
- ENG102 - English Composition

Science- 6 credits- from 2 or more disciplines/subjects. 1 lab course

Fulfill ALL of the following requirements:

Lab Course:

Fulfill ANY of the following requirements:

Biology

Any MCC Biology course with a lab

——— **OR** ———

Chemistry

Any MCC Chemistry course with a lab

——— **OR** ———

Lab courses

Complete ANY of the following Courses:
- ENV110L&L - Environmental Science
- GEOG101A - Physical Geography - Lecture and Lab
- GEOG215 - Introduction to Weather and Climate
- GEOL101A - Introduction to Physical Geology
- GEOL102 - Introduction to Earth History
- PHSC101A - Introductory Physical Science L& L
- PHYS201CL&L - College Physics I Lecture and Lab
- PHYS202CL&L - Principles of Physics Lecture & Lab
- PHYS203L&L - Engineering Physics Lecture & Lab
- PHYS204L&L - Engineering Physics Lecture & Lab

——— **AND** ———

Non-Lab

Complete ANY of the following Courses:
- ANTH105D - Intro to Phys Anthropology/Archaeology
- ASTR101 - General Astronomy
- ASTR105A - Cosmology
- BIOL115 - Intro to Anatomy and Physiology
- BIOL200 - Introductory Evolution
- BIOL207LEC - Microbiology Lecture
- GEOG214 - Science of Climate Change
- GEOG260 - Geoscience Field Experience
- GEOL100 - Natural Disasters

Math - 3 credits

Enroll in the following Courses:
- MATH115A - Probability and Statistics

Ethics and Logic- 3 credits

Complete ANY of the following Courses:
- PHIL101 - Basic Concepts of Philosophy
- PHIL102 - Principles of Logic
- PHIL104 - Symbolic Logic
- PHIL202 - Introduction to Ethics
- PHIL203 - Philosophy of Religion
- PHIL204 - Biomedical Ethics
- PHIL205 - Business Ethics
- PHIL207 - Environmental Ethics

Social Relationships- 3 credits

Enroll in the following Courses:
- ECON101A - Principles of Macroeconomics

Western Culture- 3 credits

Complete ANY of the following Courses:
- ART198 - Art History I: Ancient Art - Renaissance
- ART199 - Art History II - Renaissance Art/Modern
- ART202 - Contemporary Art History
- ENG200A - Heroes of Early Western Literature
- ENG201A - Heroes of Later Western Literature
- ENG205 - Introduction to Poetry
- ENG210 - The Nature of Language
- ENG213 - Literature of Shakespeare
- ENG225 - Major American Writers-American
- ENG226 - Major American Writers-American
- ENG227 - British Literature I (673-1744)
- ENG228 - British Literature II (1750-Today)
- ENG231 - Themes in Women's Literature
- HIST101 - Western Civilization to 1500
- HIST102 - Western Civilization -1500 to Present
- HUM195 - Introduction to Humanities
- TH201 - Introduction to Theater History

American Culture- 3 credits

Complete ANY of the following Courses:
- HIST201 - United States to 1877
- HIST202 - U.S. From Reconstruction-Present
- HIST207 - African American History
- HIST211 - Michigan History
- HIST212B - Gettysburg Battlefields
- HIST214 - Siege of Vicksburg-US Civil War
- HIST220 - Labor Studies
- PSCI111 - Introduction to American Government
- PSCI205 - Contemporary Political Issues in US
- PSCI220 - Labor Studies

International Culture- 3 credits

Complete ANY of the following Courses:
- ANTH103 - Cultural Diversity in Contemp. Society
- ANTH110 - Introduction to Cultural Anthropology
- ENG207 - Literature of Race & Ethnicity
- ENG211 - Literature of World Mythology
- ENG218A - Horror, Fantasy, and Science Fiction
- FR101 - Basic French
- FR102 - Basic French
- FR201 - Intermediate French
- FR202 - Intermediate French
- GEOG104 - Cultural Geography
- GEOG105 - World Regional Geography
- GER101 - Basic German
- GER102 - Basic German
- HIST150 - World History to 1500 CE
- HIST151 - World History From 1500 CE
- HIST216 - Introduction to World War II
- PHIL105 - World Religions
- PSCI202 - International Relations
- PSCI210A - Int'l Organizations United Nations
- PSCI210B - International Organizations/Arab League
- PSCI211 - Comparative World Governments
- SPAN101 - Basic Spanish
- SPAN102 - Basic Spanish - Second Semester
- SPAN201 - Intermediate Spanish
- SPAN202 - Intermediate Spanish

Aesthetic Values- 3 credits

Fulfill ANY of the following requirements:

Aesthetic Values

Complete ANY of the following Courses:
- ART100A - Art Appreciation
- ART104 - Drawing I
- ART105B - Two-Dimensional Form and Surface
- ART106B - Beginning Printmaking: Relief & Monotype
- ART107 - Painting I
- ART108 - Ceramics I
- ART109 - Sculpture I
- ART117 - Three-Dimensional Form and Space
- ART118 - Beginning Printmaking Intaglio
- ART204B - Drawing II (Transfer Portfolio Prep)
- ART207 - Painting II
- ART208 - Ceramics II
- ART209 - Sculpture II
- ART214 - Photography 35MM Black/White
- ART215 - Intermediate Photography
- ART220 - Figure Drawing
- DNC100 - Modern Dance I
- DNC101 - Modern Jazz Dance I
- DNC102 - Ballet I
- DNC106 - Social Dance I
- DNC200 - Modern Dance II
- DNC201 - Modern Jazz Dance II
- DNC206 - Social Dance II
- DNC210A - Repertory Dance Tour Company
- DNC210B - Repertory Dance Tour Company
- DNC210C - Repertory Dance Tour Group
- DNC210D - Repertory Dance Tour Company
- ENG216 - Introduction to Film
- ENG223 - Poetry Writing Seminar
- MU100 - Introduction to Music Theory
- MU101 - Music Theory
- MU102 - Music Theory
- MU103A - Music Appreciation
- MU192 - Music for the Classroom Teacher
- MU193A - Hip-Hop, Rock, and All the World's Music
- MU194 - Sight Reading and Ear Training
- MU195 - Sight Reading and Ear Training
- MU201 - Advanced Theory

- MU202 - Advanced Theory
- TH101 - Theater Appreciation
- TH102 - Introduction to Acting I
- TH108 - Theater for Children
- TH121 - Introduction to Technical Theater
- TH122 - Theater Set and Lighting Design
- TH141 - Applied Theater-Acting
- TH142 - Applied Theater-Dance
- TH144 - Applied Theater-Costuming
- TH145 - Applied Theater-Scenery Construction
- TH147 - Applied Theater-Production Crew
- TH148 - Applied Theater-Performance
- TH160 - Acting for TV and Film
- TH202 - Introduction to Acting II
- TH203 - Reader's Theater
- TH204 - Improvisation for Actors
- TH217 - Creative Dramatics
- TH260 - Student Production Practicum

—————— OR ——————

Music course

Music classes numbered 100 and above except MU-240

Physical Education- 2-3 credits

Fulfill ANY of the following requirements:

Option 1:

Fulfill ALL of the following requirements:

PEA 1 credit

Complete ANY of the following Courses:
- PEA101A - Fitness, Wellness and Nutrition
- PEA103 - Weight Training
- PEA104A - Walking, Jogging and Conditioning
- PEA118 - Cycling
- PEA201 - Aerobic Movement for Fitness

—————— AND ——————

PEA 1 credit

Any PEA/DNC course

—————— OR ——————

Option 2 (3 credits):

Enroll in the following Courses:
- PEA121 - Human Movement Science

Program Specific Courses- 15 credits

Complete ALL of the following Courses:
- ACC201 - Principles of Accounting I
- ACC202 - Principles of Accounting II
- ECON102A - Principles of Microeconomics
- BUS123 - Business Law I

Computer Competency

Fulfill ANY of the following requirements:

CIS Course

Pass any 3-credit-hour or greater CIS class with a "C" or better

—————— OR ——————

Competency Test

Pass MCC's CIS-110/120A Computer Competency Test

Electives- Minimum 12 credits

Electives comprised of additional classes and required class credits earned in the general education requirements. Please work with an MCC Pathway Counselor and refer to the transfer guide from 4 year institution to select courses to transfer.

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

ENG101
ACC201
CIS110 or CIS120A
Western Culture
Physical Education

Winter Semester

ENG102
MATH115A
ACC202
ECON102A
Physical Education

Year 2

Fall Semester

BUS123
ECON101A
Science
American Culture
Elective (meet with a counselor)

Winter Semester

Aesthetic Values
Science with Lab
International Culture
Ethics & Logic
Elective (meet with a counselor)

CADCN.AAS - CAD/CNC-Associate in Applied Science

Overview

Department Title
Computer-Aided Drafting/Design

Program Description
This program is designed to provide basic training in Computer-Aided Design skills (CAD) combined with the application of Computer Numerical Control (CNC) programming and machining skills.

Degree
AAS - Associate in Applied Science

Requirements

Simple Requisites

Subplan

Program Requirements- 60 credits
Type
Completion Requirement

General Education Requirements- 15-18 credits

Fulfill ALL of the following requirements:

Choose 1:

Complete ALL of the following Courses:
- ENG101 - English Composition
- HE110 - Industrial Safety and Workplace Training

— AND —

Choose 2:

Complete exactly 2 course(s) and earn 6 - 8 credits from the following:
- ANTH103 - Cultural Diversity in Contemp. Society
- BCOM102 - Adv Business & Technical Communications
- BUS127 - Human Relations
- COM201 - Public Speaking
- CSS100A - College Success Seminar
- ECON101A - Principles of Macroeconomics
- ENG102 - English Composition
- HUM195 - Introduction to Humanities
- PHIL102 - Principles of Logic
- PHIL202 - Introduction to Ethics
- PSYC201 - General Psychology
- SOC101 - Principles of Sociology

— AND —

Take Two (2) TMAT Courses or Math-141

Complete 1 - 2 course(s) and earn 5 - 6 credits from the following:
- TMAT102A - Technical Math II
- TMAT201 - Technical Math III
- MATH141 - Precalculus

Computer-Aided Drafting & Design Requirements- 13 credits

Complete ALL of the following Courses:
- CAD110 - Introduction to Computer-Aided Drafting

- CAD210 - Parametric Design I-Part Modeling
- CAD250 - Introduction to SolidWorks 3D
- CAD260 - CAD CAPSTONE

Machine Technology Requirements- 19 credits

Complete ALL of the following Courses:
- MT101B - Basic Machining
- MT102A - Intermediate Machining
- MT205A - NC/CNC Numerical Control/Computer
- MT206A - 2-D CAD/CAM Computer-Aided
- MT216 - 3-D CAD/CAM Computer-Aided Design/Mach
- MT222 - Machining Capstone

Required Electives- 10-13 credits

Complete ANY of the following Courses:
- AMT129A - Introduction to Technology
- CAD150 - Blueprint Reading
- CAD151 - Geometric Dimensioning & Tolerancing
- CAD254 - Solidworks II
- CAD255 - Introduction to Siemens Nx
- CSS100A - College Success Seminar
- COM201 - Public Speaking
- ELTC101AL&L - Electricity-Basic
- ELTC104A - Basic Industrial Robotics
- ELTC150 - Industrial Electricity
- ELTR101A - Electronics-Basic
- ENGR105 - Introduction to Engineering
- HP101 - Hydraulics/Pneumatics
- HP201 - Advanced Hydraulics
- MATH161 - Calculus I
- MATH162A - Calculus II
- MET101 - Industrial Materials
- MET102 - Basic Cast Metals
- MET201 - Metallurgy
- MT103A - Advanced Machining
- MT150 - Machinery Handbook
- MT218 - 5-Axis CNC & CMM
- QC101 - Basic Quality Control
- TECH290CI - Cooperative Internship
- TECH201A - Introduction to Mechatronics
- TMAT101A - Technical Math I
- W101A - Basic Welding

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

CAD110
MT205A
ENG101
HE110
MT101B

Winter Semester

CAD250
MT102A
MATH141 or TMAT102A
MT206A
CAD210

Year 2

Fall Semester

Elective (3-4 credits) (see program requirements)
MT216
TMAT201 (if Math 141 not taken)
Required Electives (3-4 credits) (Meet with a counselor)
MET201

Winter Semester

MT222
CAD260
Elective (3-4 credits) (see program requirements)
Required Electives (6-8 credits) Meet with a counselor

CADCN_CERT - CAD/CNC-Certificate

Overview

Department Title
Computer-Aided Drafting/Design

Program Description
This program is designed to provide Computer Aided Design skills (CAD) combined with the application of Computer Numerical Control (CNC) programming and machining skills. Upon completing this program students will be prepared to work as a CNC programmer, CNC operator, CNC draftsman, CAD designer, or CAD programmer. This program is not designed for students wishing to transfer to a four-year college for a bachelor's degree. Students planning to transfer should consult with an MCC counselor. This is intended to go directly into the workforce.

Degree
CADCN - CAD/CNC

Requirements

Simple Requisites

Subplan

Certificate Requirements - 31-33 credits
Type
Completion Requirement

Complete ALL

Complete ALL of the following Courses:
- CAD110 - Introduction to Computer-Aided Drafting
- CAD150 - Blueprint Reading
- CAD210 - Parametric Design I-Part Modeling
- CAD250 - Introduction to SolidWorks 3D
- MT101B - Basic Machining
- MT205A - NC/CNC Numerical Control/Computer
- MT206A - 2-D CAD/CAM Computer-Aided
- MT216 - 3-D CAD/CAM Computer-Aided Design/Mach

Choose 1 Math

Complete ANY of the following Courses:
- TMAT102A - Technical Math II

- TMAT201 - Technical Math III
- MATH141 - Precalculus

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

CAD110
MT205A
TMAT102A, TMAT201, or MATH141
MT101B

Winter Semester

CAD150
CAD210
CAD250
MT206A

Year 2

Fall Semester

MT216
MT150

CADD.AAS - Computer Aided Design Technology-Aas

Overview

Department Title
Computer-Aided Drafting/Design

Program Description
Are you a creative thinker with a passion for developing ideas from concept to production? Do you enJoy creating something tangible out of an abstract idea? If the answer is yes, explore a career in Computer-Aided Design, CAD. CAD professionals use 2D and 3D CAD software to create designs. In addition, your career could include assisting local businesses to build everything from automotive and aerospace components to machine parts and assemblies. Upon completing this program students will be prepared to work as CAD Designers, CAD Detailers, CAD Technicians or CAD Drafters. If a student plans to transfer to a four-year college, they can transfer to an engineering technology degree. These students should consult with an MCC Counselor to be sure they are taking lasses to transfer.

Degree
AAS - Associate in Applied Science

Requirements

Simple Requisites

Subplan

Program Requirements- 60 credits
Type
Completion Requirement

General Education Requirements

Fulfill ALL of the following requirements:

General Education Requirements- 15-17 credits

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- ENG101 - English Composition
- HE110 - Industrial Safety and Workplace Training

— AND —

Choose 1:

Complete exactly 1 course(s) and earn exactly 3 credits from the following:
- BCOM102 - Adv Business & Technical Communications
- COM201 - Public Speaking
- ENG102 - English Composition

— AND —

Choose 1:

Complete exactly 1 course(s) and earn 3 - 4 credits from the following:
- BUS127 - Human Relations
- ECON101A - Principles of Macroeconomics
- HUM195 - Introduction to Humanities
- PHIL102 - Principles of Logic
- PHIL202 - Introduction to Ethics
- PSYC201 - General Psychology
- SOC101 - Principles of Sociology

— AND —

Take Two (2) TMAT courses or MATH-141

Complete 1 - 2 course(s) and earn 5 - 6 credits from the following:
- TMAT102A - Technical Math II
- TMAT201 - Technical Math III
- MATH141 - Precalculus

Computer-Aided Design Technology Requirements- 23 credits

Complete ALL of the following Courses:
- CAD110 - Introduction to Computer-Aided Drafting
- CAD150 - Blueprint Reading
- CAD151 - Geometric Dimensioning & Tolerancing
- CAD210 - Parametric Design I-Part Modeling
- CAD250 - Introduction to SolidWorks 3D
- CAD254 - Solidworks II
- CAD260 - CAD CAPSTONE

Technical-Related Required Electives- 11-12 credits

Complete ALL of the following Courses:
- AMT129A - Introduction to Technology
- MET201 - Metallurgy
- MT101B - Basic Machining
- ENGR105 - Introduction to Engineering
- ELTC101AL&L - Electricity-Basic

- PHYS201CL&L - College Physics I Lecture and Lab

Required Electives- 8-11 credits

Complete ANY of the following Courses:
- BUS179 - Keyboarding
- CAD255 - Introduction to Siemens Nx
- COM101 - Oral Communications
- COM201 - Public Speaking
- CSS100A - College Success Seminar
- HP101 - Hydraulics/Pneumatics
- MATH141 - Precalculus
- MATH161 - Calculus I
- MATH162A - Calculus II
- MET101 - Industrial Materials
- MET102 - Basic Cast Metals
- MT102A - Intermediate Machining
- MT103A - Advanced Machining
- MT150 - Machinery Handbook
- MT205A - NC/CNC Numerical Control/Computer
- MT206A - 2-D CAD/CAM Computer-Aided
- MT216 - 3-D CAD/CAM Computer-Aided Design/Mach
- PHYS202CL&L - Principles of Physics Lecture & Lab
- QC101 - Basic Quality Control
- TECH201A - Introduction to Mechatronics
- TECH290CI - Cooperative Internship
- TMAT101A - Technical Math I
- W101A - Basic Welding

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

CAD110
CAD150
ENG101
HE110
Technical Related Elective(s)- (3-5 credits-see a counselor)

Winter Semester

CAD210
CAD250
CAD151
Math

Year 2

Fall Semester

CAD254
Gen Ed Choose One (2 courses-see Program Requirements for options)
Math
Technical Related Elective(s)- (3-5 credits-see a counselor)

Winter Semester

CAD260
Technical Related Electives- (6-10 credits-see a counselor)
Required Electives (8-11 credits-see a counselor)

CADD_CERT - Computer Aided Design Technology-Certificate

Overview

Department Title
Computer-Aided Drafting/Design

Program Description
Are you a creative thinker with a passion for developing ideas from concept to production? Do you enJoy creating something tangible out of an abstract idea? If the answer is yes, explore a career in Computer-Aided Design, CAD. CAD professionals use 2D and 3D CAD software to create designs. In addition, your career could include assisting local businesses to build everything from automotive and aerospace components to machine parts and assemblies. Upon completing this program students will be prepared to work as CAD Designers, CAD Detailers, CAD Technicians or CAD Drafters. If a student plans to transfer to a four-year college, they can transfer to an engineering technology degree. These students should consult with an MCC Counselor to be sure they are taking lasses to transfer.

Degree
CADD - Computer Aided Drafting-Design

Requirements

Simple Requisites

Subplan

Certificate Requirements-23-25 credits
Type
Completion Requirement

Required Courses-15 credits

Complete ALL of the following Courses:
- CAD110 - Introduction to Computer-Aided Drafting
- CAD150 - Blueprint Reading
- CAD151 - Geometric Dimensioning & Tolerancing
- CAD210 - Parametric Design I-Part Modeling
- CAD250 - Introduction to SolidWorks 3D

Choose 1 course 3-4 credits

Earn at least 3 credits from the following:
- CAD254 - Solidworks II
- CAD255 - Introduction to Siemens Nx
- HP101 - Hydraulics/Pneumatics
- MET201 - Metallurgy
- MT101B - Basic Machining
- MT205A - NC/CNC Numerical Control/Computer
- W101A - Basic Welding

Complete 2 TMAT Courses or MATH-141 5-6 credits

Earn at least 5 credits from the following:
- TMAT102A - Technical Math II
- TMAT201 - Technical Math III
- MATH141 - Precalculus

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

CAD110
CAD150
MATH141 or TMAT102A

Winter Semester

Elective (See Program Requirements for options)
CAD151
CAD210
CAD250
TMAT201 if MATH141 was not taken

CISCO_CERT - Networking CISCO Certificate

Overview

Department Title
Comp Info Systems/Business

Program Description
The Computer Networking CISCO Certificate program is a gateway to entry-level networking jobs and IT careers. CISCO Certified Network Associate (CCNA) Routing and Switching curriculum builds the skills necessary to succeed in jobs related to networking computers and devices. This program will prepare students to sit for CompTIA Network+, CISCO Certified Entry Network Technician(CCENT), and CISCO CCNA.

Degree
CISCO - Networking CISCO

Requirements

Simple Requisites

Subplan

Certificate Requirements-27 credits
Type
Completion Requirement

Complete ALL of the following courses

Fulfill ALL of the following requirements:

Required Courses

Complete ALL of the following Courses:
- CIS109A - Comptia A+ Part A
- CIS120A - Intro to Computer Information Systems
- CIS104A - Intro to Networks (CISCO 1)
- CIS105A - Switching, Routing & Wireless (CISCO 2)
- CIS183 - Networking Technologies
- CIS202A - IT SEC & Automation (CISCO3)
- CIS204 - CCNA Cybersecurity CISCO 4

—————————— AND ——————————

CIS Elective

Any CIS Course - 3 credits

Additional Comments:

No Requirement Level

Degree Maps
Degree Maps

Year 1

Fall Semester

CIS120A
CIS109A
CIS104A
CIS105A

Winter Semester

CIS183
CIS202A
CIS204
Elective (Meet with a counselor)

CISC_CERT - C/Java Computer Programming-Certificate

Overview

Department Title
Comp Info Systems/Business

Program Description
C/Java Computer Programming-Certificate

Degree
CISC - C/Java Computer Programming

Requirements

Simple Requisites

> **Subplan**
>
> > **Certificate Requirements- 22 credits**
> > **Type**
> > Completion Requirement
> >
> > > Complete ALL
> > >
> > > **Complete ALL of the following Courses:**
> > > - CIS120A - Intro to Computer Information Systems
> > > - CIS153A - Introduction to Data Base Management
> > > - CIS183 - Networking Technologies
> > > - CIS228 - JavaScript
> > > - CIS250 - Developing Information Systems
> > > - CIS253A - Database Design/Implementation
> > > - CIS257A - HTML Internet for Web Page Design
> > > - CIS280 - Java Programming
> >
> > **Additional Comments:**
>
> No Requirement Level

Degree Maps
Degree Maps

Year 1

Fall Semester

CIS120A
CIS153A
CIS185

Winter Semester

CIS250
CIS257A
CIS253A

Year 2

Fall Semester

CIS228
CIS280

CISNS.AAS - Networking and IT Security Associate in Applied Science

Overview

Department Title
Comp Info Systems/Business

Program Description
The following program is for AAS Degree students interested in careers which require extensive knowledge of the local and wide area networks. Students receiving an AAS Degree in Networking and IT Security can create, install and maintain local area networks and are knowledgeable about the protocols and hardware used to transfer data across wide area networks. They learn to work within different network environments and use the latest networking technologies. This degree will prepare a student for multiple certifications including CompTIA A+, Network+ Security+, and CISCO CCNA (Cisco Certified Networking Associate), and CCNA CyberOps. This degree is not designed for students wishing to transfer to four-year institutions. Transfer-oriented students interested in working with computers should consult with a counselor.] Career Opportunities: Career Opportunities Computer networks are critical parts of almost every organization. Network and computer systems administrators are responsible for the day-to-day operation of these networks. Network and computer systems administrators work with the physical computer networks of a variety of organizations and therefore are employed in many industries. Network and Computer System administrators also find work as a Network Administrators or Network Support Specialists.

Degree
AAS - Associate in Applied Science

Requirements

Simple Requisites

> **Subplan**
>
> > **Program Requirements- 62-63 credits**
> > **Type**
> > Completion Requirement
> >
> > > General Education Requirements- 15-16 credits
> > >
> > > **Fulfill ALL of the following requirements:**

Complete ALL

Complete ALL of the following Courses:

- ENG101 - English Composition
- BCOM102 - Adv Business & Technical Communications
- CIS120A - Intro to Computer Information Systems

AND

Choose 1:

Complete exactly 1 course(s) and earn 3 - 4 credits from the following:

- BUS126 - Business Mathematics
- MATH109A - College Algebra

AND

Choose 1:

Complete exactly 1 course(s) and earn exactly 3 credits from the following:

- BUS127 - Human Relations
- COM201 - Public Speaking

Business Core Requirements- 3 credits

Complete exactly 1 course(s) and earn exactly 3 credits from the following:

- BUS121 - Introduction to Business
- BUS122 - Principles of Management

Career Program Requirements- 44 credits

Complete ALL of the following Courses:

- BUS290CI2 - Cooperative Internship
- CIS104A - Intro to Networks (CISCO 1)
- CIS105A - Switching, Routing & Wireless (CISCO 2)
- CIS109A - Comptia A+ Part A
- CIS142 - Windows Client Administration
- CIS143A - Windows Server Admin I
- CIS183 - Networking Technologies
- CIS185 - 'C' Programming
- CIS202A - IT SEC & Automation (CISCO3)
- CIS204 - CCNA Cybersecurity CISCO 4
- CIS209A - Comptia A+ Part B
- CIS275 - Linux Operating System
- CIS283B - Windows Server Admin II
- CIS293A - Network Security

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

CIS120A
CIS104A
ENG101
BUS127 or COM201
BUS121 or BUS122

Winter Semester

BCOM102
BUS126 or MATH109A
CIS183
CIS185
CIS275

Year 2

Fall Semester

BUS290CI
CIS105A
CIS109A
CIS142
CIS143A

Winter Semester

CIS283B
CIS202A
CIS204
CIS209A
CIS293A

CISSD.AAS - Software Development AAS

Overview

Department Title
Comp Info Systems/Business

Program Description
Students receiving an AAS Degree in Software Development will become familiar with several programming languages and develop procedural, object-oriented, and web applications. This degree prepares students for entry-level positions as programmers and developers. Transfer-oriented students interested in working with computers should consult with a counselor.

Degree
AAS - Associate in Applied Science

Requirements

Simple Requisites

Subplan

Program Requirements- 60 credits
Type
Completion Requirement

General Education Requirements

Fulfill ALL of the following requirements:

General Education Requirements- 15-16 credits

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- ENG101 - English Composition
- BCOM102 - Adv Business & Technical Communications
- CIS120A - Intro to Computer Information Systems

— AND —

Choose 1 Math

Complete exactly 1 course(s) and earn 3 - 4 credits from the following:
- BUS126 - Business Mathematics
- MATH109A - College Algebra

— AND —

Choose 1 Communication

Complete exactly 1 course(s) and earn exactly 3 credits from the following:
- COM101 - Oral Communications
- COM201 - Public Speaking

Business Core Requirements- 7 credits

Complete ALL of the following Courses:
- BUS121 - Introduction to Business
- BUS167 - Professionalism in Your Career
- BUS220 - E-Business

Career Program Requirements- 38 credits

Complete ALL of the following Courses:
- CIS153A - Introduction to Data Base Management
- CIS185 - 'C' Programming
- CIS199 - Internet Content Management Systems Cms
- CIS228 - JavaScript
- CIS250 - Developing Information Systems
- CIS253A - Database Design/Implementation
- CIS257A - HTML Internet for Web Page Design
- CIS258 - Advanced HTML Web Development
- CIS267PHP - Server-Side Web Programming Using Php
- CIS280 - Java Programming
- CIS282 - Visual C# Programming
- GRD205 - UX Design and Implementation Foundation
- CIS275 - Linux Operating System
- CIS186 - Python Programming

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

CIS120A
CIS153A
ENG101
COM101 or COM201
BUS121
BUS126 or MATH109A

Winter Semester

BCOM102
GRD205
CIS185
CIS253A
CIS257A

Year 2

Fall Semester

BUS220
CIS228
CIS258
CIS280
CIS186

Winter Semester

BUS167
CIS199
CIS250
CIS267PHP
CIS282
CIS275

CISSU.AAS - Information Technology Support - AAS

Overview

Department Title
Comp Info Systems/Business

Program Description
Students receiving an AAS Degree in Information Technology Support are prepared to provide technical assistance to computer users concerning the use of computer hardware and software. This degree is not designed for students wishing to transfer to four-year institutions. Transfer-oriented students interested in working with computers should consult with a counselor.

Degree
AAS - Associate in Applied Science

Requirements

Simple Requisites

Subplan

Program Requirements- 60 credits
Type
Completion Requirement

General Education Requirements- 18-19 credits

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- ENG101 - English Composition
- BCOM102 - Adv Business & Technical Communications
- BUS127 - Human Relations
- CIS120A - Intro to Computer Information Systems

────────── AND ──────────

Choose 1:

Complete exactly 1 course(s) and earn 3 - 4 credits from the following:
- BUS126 - Business Mathematics
- MATH109A - College Algebra
- MATH115A - Probability and Statistics

────────── AND ──────────

Choose 1:

Complete exactly 1 course(s) and earn exactly 3 credits from the following:
- PHIL202 - Introduction to Ethics
- PHIL205 - Business Ethics

Business Core Requirements- 10 credits

Complete ALL of the following Courses:
- BUS121 - Introduction to Business
- BUS179 - Keyboarding
- BUS167 - Professionalism in Your Career
- BUS220 - E-Business
- BUS290CI - Cooperative Internship Program

Career Program Requirements- 31 credits

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- BUS166 - Quality Customer Service
- CIS101EW - Intro to Electronic Spreadsheets
- CIS102EW - Intermediate Electronic Spreadsheets
- CIS109A - Comptia A+ Part A
- CIS119PP - Introduction to Presentation Graphics
- CIS142 - Windows Client Administration
- CIS143A - Windows Server Admin I
- CIS153A - Introduction to Data Base Management
- CIS183 - Networking Technologies
- CIS199 - Internet Content Management Systems Cms
- CIS209A - Comptia A+ Part B
- CIS253A - Database Design/Implementation
- CIS257A - HTML Internet for Web Page Design
- GRD110 - Principles of Design

────────── AND ──────────

Electives

Take 0-1 elective credit(s) to meet minimum 60 credits required for program completion.

Additional Comments:

No Requirement Level

Degree Maps
Degree Maps

Year 1

Fall Semester

ENG101
CIS120A
BUS166
BUS179
BUS121
Elective (meet with a counselor)

Winter Semester

BCOM102
CIS257A
BUS126, or MATH109A, or MATH115A
CIS142
GRD110

Year 2

Fall Semester

BUS220
BUS127
CIS101EW
CIS119PP
CIS143A
CIS153A
CIS109A
BUS167

Winter Semester

CIS102EW
CIS209A
BUS290CI
CIS199
PHIL202 or PHIL205
CIS183
CIS253A

CJCO.AAS - Criminal Justice-Corrections- Associate in Applied Science

Overview

Department Title
Criminal Justice

Program Description
Criminal Justice-Corrections-Associate in Applied Science

Degree
AAS - Associate in Applied Science

Requirements

Simple Requisites

Subplan

Program Requirements- 62 credits

Type

Completion Requirement

General Education Requirements- 20-22 credits

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- ENG101 - English Composition
- BCOM102 - Adv Business & Technical Communications

————————— AND —————————

Choose 1:

Complete exactly 1 course(s) and earn 3 - 4 credits from the following:
- BUS126 - Business Mathematics
- MATH109A - College Algebra
- MATH115A - Probability and Statistics

————————— AND —————————

Choose 1:

Complete exactly 1 course(s) and earn exactly 3 credits from the following:
- BUS127 - Human Relations
- COM101 - Oral Communications

————————— AND —————————

Choose 1:

Complete exactly 1 course(s) and earn 3 - 4 credits from the following:
- GEOG104 - Cultural Geography
- PHIL205 - Business Ethics
- PSCI111 - Introduction to American Government
- PSCI211 - Comparative World Governments
- PSYC102 - Applied Psychology
- PSYC201 - General Psychology

————————— AND —————————

Choose 1:

Complete exactly 1 course(s) and earn exactly 3 credits from the following:
- CIS110 - Computer Concepts
- CIS120A - Intro to Computer Information Systems

————————— AND —————————

Fulfill ALL of the following requirements:

PEA 1 credit

Complete ANY of the following Courses:
- PEA101A - Fitness, Wellness and Nutrition

- PEA103 - Weight Training
- PEA104A - Walking, Jogging and Conditioning
- PEA118 - Cycling
- PEA201 - Aerobic Movement for Fitness

————————— AND —————————

PEA 1 credit

Take One PEA/DNC credit of choice

Criminal Justice Requirements- 15 credits

Complete ALL of the following Courses:
- CJ101 - Introduction to Law Enforcement
- CJ102 - Police Administration I
- CJ104 - Criminology
- CJ109 - Crime Prevention & Juvenile Delinquency
- CJ201 - Criminal Law

Corrections Requirements- 15 credits

Complete ALL of the following Courses:
- CJ250 - Corrections I
- CJ251A - Legal Issues in Corrections
- CJ252A - Correctional Institutions/Facilities
- CJ257 - Client Relations in Corrections
- CJ258A - Client Growth and Development

Recommended Electives- 10-12 credits

Complete ALL of the following Courses:
- CJ110 - Defensive Tactics
- CJ202 - Police Administration II
- CJ204 - Criminal Investigation
- CJ205 - Interrogation and Case Preparation
- CJ206 - Evidence and Crime Procedure
- CJ207 - Police and Community Relations

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

CJ101
CJ250
ENG101
CIS110 or CIS120A
Recommended Elective (See Program Requirements for options)

Winter Semester

CJ203 - Missing course
CJ251A
BCOM102
Math

Year 2

Fall Semester

CJ104
CJ252A
CJ201
Choose One (see Program Requirements for options)
PEA101A, PEA103, PEA104A, PEA118, or PEA201
Recommended Elective (See Program Requirements for options)

Winter Semester

CJ257
CJ258A
BUS127 or COM101
Recommended Electives (6 credits-See Program Requirements for options)
PEA/DNC choice

CJCO.ASA - Criminal Justice-Corrections-Associate in Science and Arts

Overview

Department Title
Criminal Justice

Program Description
The Michigan Transfer Agreement Associate in Science and Arts (ASA) degrees are effective as of fall 2014. A minimum of 62 credit hours with a minimum cumulative 2.0 GPA is required for the ASA Degree. Courses numbered below 100 do not count toward the ASA. MCC and the Michigan Transfer Agreement require a "C" or better in courses used to meet ASA and MTA requirements.

Degree
ASA - Associate in Science and Arts

Requirements

Simple Requisites

> **Subplan**
>
> > **Program Requirements- 62 credits**
> > **Type**
> > Completion Requirement
> >
> > > Communication- 6 credits
> > >
> > > **Enroll in the following Courses:**
> > > - ENG101 - English Composition
> > > - ENG102 - English Composition
> >
> > > Science- 6 credits
> > >
> > > **Fulfill ALL of the following requirements:**
> > >
> > > > Lab classes:
> > > >
> > > > **Fulfill ANY of the following requirements:**
> > > >
> > > > > Biology
> > > > >
> > > > > **Any MCC Biology course with a lab**
> > > >
> > > > ------ OR ------
> > > >
> > > > > Chemistry
> > > > >
> > > > > **Any MCC Chemistry course with a lab**

------ OR ------

> Science lab
>
> **Complete ANY of the following Courses:**
> - ENV110L&L - Environmental Science
> - GEOG101A - Physical Geography - Lecture and Lab
> - GEOG215 - Introduction to Weather and Climate
> - GEOL101A - Introduction to Physical Geology
> - GEOL102 - Introduction to Earth History
> - PHSC101A - Introductory Physical Science L& L
> - PHYS201CL&L - College Physics I Lecture and Lab
> - PHYS202CL&L - Principles of Physics Lecture & Lab
> - PHYS203L&L - Engineering Physics Lecture & Lab
> - PHYS204L&L - Engineering Physics Lecture & Lab

------ AND ------

> Non-Lab:
>
> **Complete ANY of the following Courses:**
> - ANTH105D - Intro to Phys Anthropology/Archaeology
> - ASTR101 - General Astronomy
> - ASTR105A - Cosmology
> - BIOL115 - Intro to Anatomy and Physiology
> - BIOL200 - Introductory Evolution
> - BIOL207LEC - Microbiology Lecture
> - GEOL100 - Natural Disasters
> - GEOG214 - Science of Climate Change
> - GEOG260 - Geoscience Field Experience

> Math- 3 credits
>
> **Complete ANY of the following Courses:**
> - MATH107A - Mathematics for Liberal Arts
> - MATH109A - College Algebra
> - MATH115A - Probability and Statistics
> - MATH141 - Precalculus
> - MATH161 - Calculus I
> - MATH162A - Calculus II
> - MATH215A - Statistics for Science & Engineering
> - MATH276 - Linear Algebra With Applications
> - MATH283 - Calculus III
> - MATH295 - Differential Equations w/Linear Algebra

> Ethics and Logic- 3 credits
>
> **Complete ANY of the following Courses:**
> - PHIL101 - Basic Concepts of Philosophy
> - PHIL102 - Principles of Logic
> - PHIL104 - Symbolic Logic
> - PHIL202 - Introduction to Ethics
> - PHIL203 - Philosophy of Religion
> - PHIL205 - Business Ethics
> - PHIL207 - Environmental Ethics

> Social Relationships- 3 credits
>
> **Complete ANY of the following Courses:**
> - ECON101A - Principles of Macroeconomics
> - ECON102A - Principles of Microeconomics
> - PSYC102 - Applied Psychology

- PSYC201 - General Psychology
- PSYC203 - Abnormal Psychology
- PSYC207 - Life Span Development
- PSYC209 - Psychological Disorders of Childhood
- PSYC210 - Social Psychology
- SOC101 - Principles of Sociology
- SOC102A - Race, Ethnicity, & Immigration
- SOC202A - Modern Social Problems
- WGS101 - Intro to Women's & Gender Studies
- WGS201 - LGBTQ Studies

Western Culture- 3 credits

Complete ANY of the following Courses:

- ART198 - Art History I: Ancient Art - Renaissance
- ART199 - Art History II - Renaissance Art/Modern
- ART202 - Contemporary Art History
- ENG200A - Heroes of Early Western Literature
- ENG201A - Heroes of Later Western Literature
- ENG205 - Introduction to Poetry
- ENG210 - The Nature of Language
- ENG213 - Literature of Shakespeare
- ENG225 - Major American Writers-American
- ENG226 - Major American Writers-American
- ENG227 - British Literature I (673-1744)
- ENG228 - British Literature II (1750-Today)
- ENG231 - Themes in Women's Literature
- HIST101 - Western Civilization to 1500
- HIST102 - Western Civilization -1500 to Present
- HUM195 - Introduction to Humanities
- TH201 - Introduction to Theater History

American Culture- 3 credits

Complete ANY of the following Courses:

- HIST201 - United States to 1877
- HIST202 - U.S. From Reconstruction-Present
- HIST207 - African American History
- HIST211 - Michigan History
- HIST212B - Gettysburg Battlefields
- HIST214 - Siege of Vicksburg-US Civil War
- HIST220 - Labor Studies
- PSCI111 - Introduction to American Government
- PSCI205 - Contemporary Political Issues in US
- PSCI220 - Labor Studies

International Culture- 3 credits

Complete ANY of the following Courses:

- ANTH103 - Cultural Diversity in Contemp. Society
- ANTH110 - Introduction to Cultural Anthropology
- ENG207 - Literature of Race & Ethnicity
- ENG211 - Literature of World Mythology
- ENG218A - Horror, Fantasy, and Science Fiction
- FR101 - Basic French
- FR102 - Basic French
- FR201 - Intermediate French
- FR202 - Intermediate French
- GEOG104 - Cultural Geography
- GEOG105 - World Regional Geography
- GER101 - Basic German
- GER102 - Basic German
- HIST150 - World History to 1500 CE
- HIST151 - World History From 1500 CE

- HIST216 - Introduction to World War II
- PHIL105 - World Religions
- PSCI202 - International Relations
- PSCI210A - Int'l Organizations United Nations
- PSCI210B - International Organizations/Arab League
- PSCI211 - Comparative World Governments
- SPAN101 - Basic Spanish
- SPAN102 - Basic Spanish - Second Semester
- SPAN201 - Intermediate Spanish
- SPAN202 - Intermediate Spanish

Aesthetic Values- 3 credits

Fulfill ANY of the following requirements:

Aesthetic Values

Complete ANY of the following Courses:

- ART100A - Art Appreciation
- ART104 - Drawing I
- ART105B - Two-Dimensional Form and Surface
- ART107 - Painting I
- ART108 - Ceramics I
- ART109 - Sculpture I
- ART117 - Three-Dimensional Form and Space
- ART204B - Drawing II (Transfer Portfolio Prep)
- ART207 - Painting II
- ART208 - Ceramics II
- ART209 - Sculpture II
- ART220 - Figure Drawing
- DNC100 - Modern Dance I
- DNC101 - Modern Jazz Dance I
- DNC102 - Ballet I
- DNC106 - Social Dance I
- DNC200 - Modern Dance II
- DNC201 - Modern Jazz Dance II
- DNC206 - Social Dance II
- DNC210A - Repertory Dance Tour Company
- DNC210B - Repertory Dance Tour Company
- ENG216 - Introduction to Film
- ENG223 - Poetry Writing Seminar
- MU100 - Introduction to Music Theory
- MU101 - Music Theory
- MU102 - Music Theory
- MU103A - Music Appreciation
- MU192 - Music for the Classroom Teacher
- MU194 - Sight Reading and Ear Training
- MU195 - Sight Reading and Ear Training
- MU201 - Advanced Theory
- MU202 - Advanced Theory
- TH101 - Theater Appreciation
- TH102 - Introduction to Acting I
- TH108 - Theater for Children
- TH121 - Introduction to Technical Theater
- TH122 - Theater Set and Lighting Design
- TH141 - Applied Theater-Acting
- TH142 - Applied Theater-Dance
- TH144 - Applied Theater-Costuming
- TH145 - Applied Theater-Scenery Construction
- TH147 - Applied Theater-Production Crew
- TH148 - Applied Theater-Performance
- TH160 - Acting for TV and Film
- TH202 - Introduction to Acting II
- TH203 - Reader's Theater
- TH204 - Improvisation for Actors

- TH217 - Creative Dramatics
- TH260 - Student Production Practicum

— OR —

Music Course

Any 100 level or higher Music course except MU-240 and MU-193

Physical Education- 2 credits

Fulfill ALL of the following requirements:

One credit must be from:

Complete ANY of the following Courses:

- PEA101A - Fitness, Wellness and Nutrition
- PEA103 - Weight Training
- PEA104A - Walking, Jogging and Conditioning
- PEA118 - Cycling
- PEA201 - Aerobic Movement for Fitness

— AND —

One credit from:

Any PEA/DNC course

Computer Competency

Fulfill ANY of the following requirements:

CIS course- 3 credits

Any 3-credit hour or greater CIS class with a "C" or better

— OR —

Competency Test

MCC's CIS 110/120A Computer Competency Test.

Program Required courses- 15 credits

Complete ALL of the following Courses:

- CJ101 - Introduction to Law Enforcement
- CJ102 - Police Administration I
- CJ104 - Criminology
- CJ109 - Crime Prevention & Juvenile Delinquency
- CJ201 - Criminal Law

Electives- 12 credits

Complete ANY of the following Courses:

- CJ250 - Corrections I
- CJ251A - Legal Issues in Corrections
- CJ252A - Correctional Institutions/Facilities
- CJ257 - Client Relations in Corrections
- CJ258A - Client Growth and Development

Additional Comments:

No Requirement Level

CJCO_CERT - Criminal Justice Corrections

Overview

Department Title
Criminal Justice

Program Description
The MCC Criminal Justice Corrections Certificate is designed to include the five classes that are required by the Michigan Correctional Training Council. The MI Correctional Training Council states that these classes must be taken in order to qualify for employment with the Michigan Department of Corrections. Each of these classes must be completed with a grade of "C" (2.0 GPA) in order to get the certificate and qualify for MDOC employment.

Degree
CJCO - Corrections

Requirements

Simple Requisites

Subplan

Certificate Requirements- 18 credits
Type
Completion Requirement

Complete ALL

Complete ALL of the following Courses:

- CJ101 - Introduction to Law Enforcement
- CJ250 - Corrections I
- CJ251A - Legal Issues in Corrections
- CJ252A - Correctional Institutions/Facilities
- CJ257 - Client Relations in Corrections
- CJ258A - Client Growth and Development

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

CJ101
CJ250
CJ252A

Winter Semester

CJ251A
CJ257
CJ258A

CJLA.AAS - Criminal Justice-Law Enforcement-A.A.S

Overview

Department Title
Criminal Justice

Muskegon Community College

Program Description
Criminal Justice-Law Enforcement- Associate in Applied Science

Degree
AAS - Associate in Applied Science

Requirements

Simple Requisites

Subplan

Program Requirements- 62 credits
Type
Completion Requirement

General Education Requirements- 20-22 credits

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- ENG101 - English Composition
- BCOM102 - Adv Business & Technical Communications

—————— AND ——————

Choose 1:

Complete exactly 1 course(s) and earn 3 - 4 credits from the following:
- BUS126 - Business Mathematics
- MATH109A - College Algebra
- MATH115A - Probability and Statistics

—————— AND ——————

Choose 1:

Complete exactly 1 course(s) and earn exactly 3 credits from the following:
- BUS127 - Human Relations
- COM101 - Oral Communications

—————— AND ——————

Choose 1:

Complete exactly 1 course(s) and earn 3 - 4 credits from the following:
- GEOG104 - Cultural Geography
- PHIL205 - Business Ethics
- PSCI111 - Introduction to American Government
- PSCI211 - Comparative World Governments
- PSYC102 - Applied Psychology
- PSYC201 - General Psychology

—————— AND ——————

Choose 1:

Complete exactly 1 course(s) and earn exactly 3 credits from the following:
- CIS110 - Computer Concepts
- CIS120A - Intro to Computer Information Systems

—————— AND ——————

PEA 2 credits

Fulfill ALL of the following requirements:

PEA 1 credit

Complete ANY of the following Courses:
- PEA101A - Fitness, Wellness and Nutrition
- PEA103 - Weight Training
- PEA104A - Walking, Jogging and Conditioning
- PEA118 - Cycling
- PEA201 - Aerobic Movement for Fitness

—————— AND ——————

PEA 1 credit

Take One PEA/DNC credit of choice

Criminal Justice Requirements- 15 credits

Complete ALL of the following Courses:
- CJ101 - Introduction to Law Enforcement
- CJ102 - Police Administration I
- CJ104 - Criminology
- CJ109 - Crime Prevention & Juvenile Delinquency
- CJ201 - Criminal Law

Law Enforcement Requirements- 15 credits

Complete ALL of the following Courses:
- CJ202 - Police Administration II
- CJ204 - Criminal Investigation
- CJ205 - Interrogation and Case Preparation
- CJ206 - Evidence and Crime Procedure
- CJ207 - Police and Community Relations

Recommended Elecives- 12 credits

Complete ANY of the following Courses:
- CJ110 - Defensive Tactics
- CJ250 - Corrections I
- CJ251A - Legal Issues in Corrections
- CJ252A - Correctional Institutions/Facilities
- CJ257 - Client Relations in Corrections
- CJ258A - Client Growth and Development

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

CJ101
CJ104
ENG101
CIS110 or CIS120A
Recommended Elective (See Program Requirements for options)

Winter Semester

CJ102
CJ204
CJ109
BCOM102
BUS126, or MATH109A, or MATH115A

Year 2

Fall Semester

CJ205
CJ202
CJ201
Choose One (See Program Requirements for options)
PEA101A, or PEA103, or PEA104A, or PEA118, or PEA201
Recommended Elective (See Program Requirements for options)

Winter Semester

BUS127 or COM101
CJ206
CJ207
Recommended Electives (6 credits- See Program Requirements for options)
PEA/DNC of choice

CJLA.ASA - Criminal Justice-Law Enforcement-A.S.A

Overview

Department Title
Criminal Justice

Program Description
Criminal Justice-Law Enforcement- Associate in Science and Arts The Michigan Transfer Agreement Associate in Science and Arts (ASA) degrees are effective as of fall 2014. A minimum of 62 credit hours with a minimum cumulative 2.0 GPA is required for the ASA Degree. Courses numbered below 100 do not count toward the ASA. MCC and the Michigan Transfer Agreement require a "C" or better in courses used to meet ASA and MTA requirements

Degree
ASA - Associate in Science and Arts

Requirements

Simple Requisites

Subplan

Program Requirements- 62 credits
Type
Completion Requirement

Communication- 6 credits

Enroll in the following Courses:
- ENG101 - English Composition
- ENG102 - English Composition

Science- 6 credits

Fulfill ALL of the following requirements:

Lab Classes:

Fulfill ANY of the following requirements:

Biology

Any MCC Biology course with a lab

— OR —

Chemistry

Any MCC Chemistry course with a lab

— OR —

Lab course

Complete ANY of the following Courses:
- ENV110L&L - Environmental Science
- GEOG101A - Physical Geography - Lecture and Lab
- GEOG215 - Introduction to Weather and Climate
- GEOL101A - Introduction to Physical Geology
- GEOL102 - Introduction to Earth History
- PHSC101A - Introductory Physical Science L& L
- PHYS201CL&L - College Physics I Lecture and Lab
- PHYS202CL&L - Principles of Physics Lecture & Lab
- PHYS203L&L - Engineering Physics Lecture & Lab
- PHYS204L&L - Engineering Physics Lecture & Lab

— AND —

Non-Lab:

Complete ANY of the following Courses:
- ANTH105D - Intro to Phys Anthropology/Archaeology
- ASTR101 - General Astronomy
- ASTR105A - Cosmology
- BIOL115 - Intro to Anatomy and Physiology
- BIOL200 - Introductory Evolution
- BIOL207LEC - Microbiology Lecture
- GEOL100 - Natural Disasters
- GEOG214 - Science of Climate Change
- GEOG260 - Geoscience Field Experience

Math- 3 credits

Complete ANY of the following Courses:
- MATH107A - Mathematics for Liberal Arts
- MATH109A - College Algebra
- MATH115A - Probability and Statistics
- MATH141 - Precalculus
- MATH162A - Calculus II
- MATH215A - Statistics for Science & Engineering
- MATH276 - Linear Algebra With Applications
- MATH283 - Calculus III
- MATH295 - Differential Equations w/Linear Algebra

Ethics and Logic- 3 credits

Complete ANY of the following Courses:
- PHIL101 - Basic Concepts of Philosophy
- PHIL102 - Principles of Logic
- PHIL104 - Symbolic Logic
- PHIL202 - Introduction to Ethics
- PHIL203 - Philosophy of Religion
- PHIL205 - Business Ethics
- PHIL204 - Biomedical Ethics

- PHIL207 - Environmental Ethics

Social Relationships- 3 credits

Complete ANY of the following Courses:

- ECON101A - Principles of Macroeconomics
- ECON102A - Principles of Microeconomics
- PSYC102 - Applied Psychology
- PSYC201 - General Psychology
- PSYC203 - Abnormal Psychology
- PSYC207 - Life Span Development
- PSYC209 - Psychological Disorders of Childhood
- PSYC210 - Social Psychology
- SOC101 - Principles of Sociology
- SOC102A - Race, Ethnicity, & Immigration
- SOC202A - Modern Social Problems
- SOC203 - Introduction to Social Work
- SOC206 - Introduction to Aging
- WGS101 - Intro to Women's & Gender Studies
- WGS201 - LGBTQ Studies

Western Culture- 3 credits

Complete ANY of the following Courses:

- ART198 - Art History I: Ancient Art - Renaissance
- ART199 - Art History II - Renaissance Art/Modern
- ART202 - Contemporary Art History
- ENG200A - Heroes of Early Western Literature
- ENG201A - Heroes of Later Western Literature
- ENG205 - Introduction to Poetry
- ENG210 - The Nature of Language
- ENG213 - Literature of Shakespeare
- ENG225 - Major American Writers-American
- ENG226 - Major American Writers-American
- ENG227 - British Literature I (673-1744)
- ENG228 - British Literature II (1750-Today)
- ENG231 - Themes in Women's Literature
- HIST101 - Western Civilization to 1500
- HIST102 - Western Civilization -1500 to Present
- HUM195 - Introduction to Humanities
- TH201 - Introduction to Theater History

American Culture- 3 credits

Complete ANY of the following Courses:

- HIST201 - United States to 1877
- HIST202 - U.S. From Reconstruction-Present
- HIST207 - African American History
- HIST211 - Michigan History
- HIST212B - Gettysburg Battlefields
- HIST214 - Siege of Vicksburg-US Civil War
- HIST220 - Labor Studies
- PSCI111 - Introduction to American Government
- PSCI205 - Contemporary Political Issues in US
- PSCI220 - Labor Studies

International Culture- 3 credits

Complete ANY of the following Courses:

- ANTH103 - Cultural Diversity in Contemp. Society
- ANTH110 - Introduction to Cultural Anthropology
- ENG207 - Literature of Race & Ethnicity
- ENG211 - Literature of World Mythology
- ENG218A - Horror, Fantasy, and Science Fiction
- FR101 - Basic French

- FR102 - Basic French
- FR201 - Intermediate French
- FR202 - Intermediate French
- GEOG104 - Cultural Geography
- GEOG105 - World Regional Geography
- GER101 - Basic German
- GER102 - Basic German
- HIST150 - World History to 1500 CE
- HIST151 - World History From 1500 CE
- HIST216 - Introduction to World War II
- PHIL105 - World Religions
- PSCI202 - International Relations
- PSCI210A - Int'l Organizations United Nations
- PSCI210B - International Organizations/Arab League
- PSCI211 - Comparative World Governments
- SPAN101 - Basic Spanish
- SPAN102 - Basic Spanish - Second Semester
- SPAN201 - Intermediate Spanish
- SPAN202 - Intermediate Spanish

Aesthetic Values- 3 credits

Fulfill ANY of the following requirements:

Aesthetic Values

Complete ANY of the following Courses:

- ART100A - Art Appreciation
- ART104 - Drawing I
- ART105B - Two-Dimensional Form and Surface
- ART107 - Painting I
- ART108 - Ceramics I
- ART109 - Sculpture I
- ART117 - Three-Dimensional Form and Space
- ART204B - Drawing II (Transfer Portfolio Prep)
- ART207 - Painting II
- ART208 - Ceramics II
- ART209 - Sculpture II
- ART220 - Figure Drawing
- DNC100 - Modern Dance I
- DNC101 - Modern Jazz Dance I
- DNC102 - Ballet I
- DNC106 - Social Dance I
- DNC200 - Modern Dance II
- DNC201 - Modern Jazz Dance II
- DNC206 - Social Dance II
- DNC210A - Repertory Dance Tour Company
- DNC210B - Repertory Dance Tour Company
- ENG216 - Introduction to Film
- ENG223 - Poetry Writing Seminar
- MU100 - Introduction to Music Theory
- MU101 - Music Theory
- MU102 - Music Theory
- MU103A - Music Appreciation
- MU192 - Music for the Classroom Teacher
- MU194 - Sight Reading and Ear Training
- MU195 - Sight Reading and Ear Training
- MU201 - Advanced Theory
- MU202 - Advanced Theory
- TH101 - Theater Appreciation
- TH102 - Introduction to Acting I
- TH108 - Theater for Children
- TH121 - Introduction to Technical Theater
- TH122 - Theater Set and Lighting Design
- TH141 - Applied Theater-Acting

- TH142 - Applied Theater-Dance
- TH144 - Applied Theater-Costuming
- TH145 - Applied Theater-Scenery Construction
- TH147 - Applied Theater-Production Crew
- TH148 - Applied Theater-Performance
- TH160 - Acting for TV and Film
- TH202 - Introduction to Acting II
- TH203 - Reader's Theater
- TH204 - Improvisation for Actors
- TH217 - Creative Dramatics
- TH260 - Student Production Practicum

— OR —

Music Class

Any Music class number 100 and above except MU-240 and MU-193

Physical Education- 2 credits

Fulfill ANY of the following requirements:

2 courses

Fulfill ALL of the following requirements:

One credit from:

Complete ANY of the following Courses:
- PEA101A - Fitness, Wellness and Nutrition
- PEA103 - Weight Training
- PEA104A - Walking, Jogging and Conditioning
- PEA118 - Cycling
- PEA201 - Aerobic Movement for Fitness

— AND —

One credit from:

Any PEA/DNC course

— OR —

2 credits

Enroll in the following Courses:
- HE100A - Community First Aid and Safety

Computer Competency

Fulfill ANY of the following requirements:

CIS course

Any 3-credit hour or greater CIS class with a "C" or better

— OR —

Competency Test

MCC's CIS 100/120A Computer Competency Test

Program Required Courses- 15 credits

Complete ALL of the following Courses:
- CJ101 - Introduction to Law Enforcement

- CJ102 - Police Administration I
- CJ104 - Criminology
- CJ109 - Crime Prevention & Juvenile Delinquency
- CJ201 - Criminal Law

Elective- 4 courses or more

Complete ANY of the following Courses:
- CJ202 - Police Administration II
- CJ204 - Criminal Investigation
- CJ205 - Interrogation and Case Preparation
- CJ206 - Evidence and Crime Procedure
- CJ207 - Police and Community Relations

Additional Comments:

No Requirement Level

CJPW.ASA - Criminal Justice Pathway Associate in Science and Arts

Overview

Department Title
Criminal Justice

Program Description
The MiTransfer Pathway Associate in Science and Arts (ASA) degree includes the Michigan Transfer Agreement (MTA) and is designed for students who plan to transfer to a four-year college or university and major in a particular discipline.

Degree
ASA - Associate in Science and Arts

Requirements

Simple Requisites

Subplan

Program Requirements- 62 credits
Type
Completion Requirement

Communication- 6 credits

Enroll in the following Courses:
- ENG101 - English Composition
- ENG102 - English Composition

Science- 6 credits from 2 or more disciplines/subjects. 1 Lab course.

Fulfill ALL of the following requirements:

Lab Courses:

Fulfill ANY of the following requirements:

Biology

Any MCC Biology course with a lab

— OR —

Chemistry

Any MCC Chemistry course with a lab

— OR —

Lab courses

Complete ANY of the following Courses:
- ENV110L&L - Environmental Science
- GEOG101A - Physical Geography - Lecture and Lab
- GEOG215 - Introduction to Weather and Climate
- GEOL101A - Introduction to Physical Geology
- PHSC101A - Introductory Physical Science L& L
- PHYS201CL&L - College Physics I Lecture and Lab
- PHYS202CL&L - Principles of Physics Lecture & Lab
- PHYS203L&L - Engineering Physics Lecture & Lab
- PHYS204L&L - Engineering Physics Lecture & Lab

— AND —

Non-Lab:

Complete ANY of the following Courses:
- ANTH105D - Intro to Phys Anthropology/Archaeology
- ASTR101 - General Astronomy
- ASTR105A - Cosmology
- BIOL115 - Intro to Anatomy and Physiology
- BIOL200 - Introductory Evolution
- BIOL207LEC - Microbiology Lecture
- GEOG214 - Science of Climate Change
- GEOG260 - Geoscience Field Experience
- GEOL100 - Natural Disasters

Math - 3 credits

Complete ANY of the following Courses:
- MATH107A - Mathematics for Liberal Arts
- MATH109A - College Algebra
- MATH115A - Probability and Statistics
- MATH141 - Precalculus
- MATH161 - Calculus I
- MATH162A - Calculus II
- MATH215A - Statistics for Science & Engineering
- MATH276 - Linear Algebra With Applications
- MATH283 - Calculus III
- MATH295 - Differential Equations w/Linear Algebra

Ethics and Logic- 3 credits

Complete ANY of the following Courses:
- PHIL101 - Basic Concepts of Philosophy
- PHIL102 - Principles of Logic
- PHIL104 - Symbolic Logic
- PHIL202 - Introduction to Ethics
- PHIL203 - Philosophy of Religion
- PHIL204 - Biomedical Ethics
- PHIL205 - Business Ethics
- PHIL207 - Environmental Ethics

Social Relationships- 3 credits

Enroll in the following Courses:
- PSYC201 - General Psychology

Western Culture- 3 credits

Complete ANY of the following Courses:
- ART198 - Art History I: Ancient Art - Renaissance
- ART199 - Art History II - Renaissance Art/Modern
- ART202 - Contemporary Art History
- ENG200A - Heroes of Early Western Literature
- ENG201A - Heroes of Later Western Literature
- ENG205 - Introduction to Poetry
- ENG210 - The Nature of Language
- ENG213 - Literature of Shakespeare
- ENG225 - Major American Writers-American
- ENG226 - Major American Writers-American
- ENG227 - British Literature I (673-1744)
- ENG228 - British Literature II (1750-Today)
- ENG231 - Themes in Women's Literature
- HIST101 - Western Civilization to 1500
- HIST102 - Western Civilization -1500 to Present
- HUM195 - Introduction to Humanities
- TH201 - Introduction to Theater History

American Culture- 3 credits

Complete ANY of the following Courses:
- HIST201 - United States to 1877
- HIST202 - U.S. From Reconstruction-Present
- HIST207 - African American History
- HIST211 - Michigan History
- HIST212B - Gettysburg Battlefields
- HIST214 - Siege of Vicksburg-US Civil War
- HIST220 - Labor Studies
- PSCI111 - Introduction to American Government
- PSCI205 - Contemporary Political Issues in US
- PSCI220 - Labor Studies

International Culture- 3 credits

Complete ANY of the following Courses:
- ANTH103 - Cultural Diversity in Contemp. Society
- ANTH110 - Introduction to Cultural Anthropology
- ENG207 - Literature of Race & Ethnicity
- ENG211 - Literature of World Mythology
- ENG218A - Horror, Fantasy, and Science Fiction
- FR101 - Basic French
- FR102 - Basic French
- FR201 - Intermediate French
- FR202 - Intermediate French
- GEOG104 - Cultural Geography
- GEOG105 - World Regional Geography
- GER101 - Basic German
- GER102 - Basic German
- HIST150 - World History to 1500 CE
- HIST151 - World History From 1500 CE
- HIST216 - Introduction to World War II
- PHIL105 - World Religions
- PSCI202 - International Relations
- PSCI210A - Int'l Organizations United Nations
- PSCI210B - International Organizations/Arab League
- PSCI211 - Comparative World Governments
- SPAN101 - Basic Spanish
- SPAN102 - Basic Spanish - Second Semester
- SPAN201 - Intermediate Spanish
- SPAN202 - Intermediate Spanish

Aesthetic Values- 3 credits

Fulfill ANY of the following requirements:

Aesthetic Values

Complete ANY of the following Courses:
- ART100A - Art Appreciation
- ART104 - Drawing I
- ART105B - Two-Dimensional Form and Surface
- ART106B - Beginning Printmaking: Relief & Monotype
- ART107 - Painting I
- ART108 - Ceramics I
- ART109 - Sculpture I
- ART117 - Three-Dimensional Form and Space
- ART118 - Beginning Printmaking Intaglio
- ART204B - Drawing II (Transfer Portfolio Prep)
- ART207 - Painting II
- ART208 - Ceramics II
- ART209 - Sculpture II
- ART214 - Photography 35MM Black/White
- ART215 - Intermediate Photography
- ART220 - Figure Drawing
- DNC100 - Modern Dance I
- DNC101 - Modern Jazz Dance I
- DNC102 - Ballet I
- DNC106 - Social Dance I
- DNC200 - Modern Dance II
- DNC201 - Modern Jazz Dance II
- DNC206 - Social Dance II
- DNC210A - Repertory Dance Tour Company
- DNC210B - Repertory Dance Tour Company
- DNC210C - Repertory Dance Tour Group
- DNC210D - Repertory Dance Tour Company
- ENG216 - Introduction to Film
- ENG223 - Poetry Writing Seminar
- MU100 - Introduction to Music Theory
- MU101 - Music Theory
- MU102 - Music Theory
- MU103A - Music Appreciation
- MU192 - Music for the Classroom Teacher
- MU193A - Hip-Hop, Rock, and All the World's Music
- MU194 - Sight Reading and Ear Training
- MU195 - Sight Reading and Ear Training
- MU201 - Advanced Theory
- MU202 - Advanced Theory
- TH101 - Theater Appreciation
- TH102 - Introduction to Acting I
- TH108 - Theater for Children
- TH121 - Introduction to Technical Theater
- TH122 - Theater Set and Lighting Design
- TH141 - Applied Theater-Acting
- TH142 - Applied Theater-Dance
- TH144 - Applied Theater-Costuming
- TH145 - Applied Theater-Scenery Construction
- TH147 - Applied Theater-Production Crew
- TH148 - Applied Theater-Performance
- TH160 - Acting for TV and Film
- TH202 - Introduction to Acting II
- TH203 - Reader's Theater
- TH204 - Improvisation for Actors
- TH217 - Creative Dramatics
- TH260 - Student Production Practicum

Physical Education- 2-3 credits

Fulfill ANY of the following requirements:

Option 1:

Fulfill ALL of the following requirements:

PEA 1 credit

Complete ANY of the following Courses:
- PEA101A - Fitness, Wellness and Nutrition
- PEA103 - Weight Training
- PEA104A - Walking, Jogging and Conditioning
- PEA118 - Cycling
- PEA201 - Aerobic Movement for Fitness

————— AND —————

PEA 1 credit

Any PEA/DNC course

————— OR —————

Option 2 (3 credits):

Enroll in the following Courses:
- PEA121 - Human Movement Science

Program Specific Courses- 9 credits

Complete ALL of the following Courses:
- CJ101 - Introduction to Law Enforcement
- CJ250 - Corrections I
- SOC101 - Principles of Sociology

Computer Competency

Fulfill ANY of the following requirements:

CIS Course

Pass any 3-credit-hour or greater CIS class with a "C" or better

————— OR —————

Competency Test

Pass MCC's CIS-110/120A Computer Competency Test

Electives- Minimum 18 credits

Electives comprised of additional classes and required class credits earned in the general education requirements. Please work with an MCC Pathway Counselor and refer to the transfer guide from 4 year institution to select courses to transfer.

Additional Comments:

No Requirement Level

Degree Maps
Degree Maps

Year 1

Fall Semester

ENG101
CJ101
CIS110 or CIS120A
Math
Elective (meet with a counselor)

Winter Semester

ENG102
PSYC201
Elective (meet with a counselor)
Western Culture
Physical Education (2 credits)

Year 2

Fall Semester

SOC101
CJ250
American Culture
International Culture
Science Lab

Winter Semester

Aesthetic Values
Science
Ethics & Logic
Elective (meet with a counselor)

COMPW.ASA - Communications Pathway Associate in Science and Arts

Overview

Department Title
Communications

Program Description
The MiTransfer Pathway Associate in Science and Arts (ASA) degree includes the Michigan Transfer Agreement (MTA) and is designed for students who plan to transfer to a four-year college or university and major in a particular discipline. A minimum of 62 credit hours with a minimum cumulative 2.0 GPA, is required for the ASA Degree. MCC and the Michigan Transfer Agreement require a "C" or better in individual courses used to meet ASA and MTA requirements. These courses are shown in bold type below. Courses numbered below 100 do not count toward the ASA. Any course can be used only ONCE in any category.

Degree
ASA - Associate in Science and Arts

Requirements

Simple Requisites

> **Subplan**
>
> > **Program Requirements- 62 credits**
> > **Type**
> > Completion Requirement
> >
> > > Communication- 6 credits

> **Enroll in the following Courses:**
> - ENG101 - English Composition
> - ENG102 - English Composition

> Science- 6 credits from 2 or more disciplines/subjects. 1 Lab course.
> **Fulfill ALL of the following requirements:**
>
> > Lab Course:
> > **Fulfill ANY of the following requirements:**
> >
> > > Biology
> > > **Any MCC Biology course with a lab**
> >
> > ———— OR ————
> >
> > > Chemistry
> > > **Any MCC Chemistry course with a lab**
> >
> > ———— OR ————
> >
> > > Lab Courses
> > > **Complete ANY of the following Courses:**
> > > - ENV110L&L - Environmental Science
> > > - GEOG101A - Physical Geography - Lecture and Lab
> > > - GEOG215 - Introduction to Weather and Climate
> > > - GEOL101A - Introduction to Physical Geology
> > > - GEOL102 - Introduction to Earth History
> > > - PHSC101A - Introductory Physical Science L& L
> > > - PHYS201CL&L - College Physics I Lecture and Lab
> > > - PHYS202CL&L - Principles of Physics Lecture & Lab
> > > - PHYS203L&L - Engineering Physics Lecture & Lab
> > > - PHYS204L&L - Engineering Physics Lecture & Lab
> >
> > ———— AND ————
> >
> > > Non-Lab:
> > > **Complete ANY of the following Courses:**
> > > - ANTH105D - Intro to Phys Anthropology/Archaeology
> > > - ASTR101 - General Astronomy
> > > - ASTR105A - Cosmology
> > > - BIOL115 - Intro to Anatomy and Physiology
> > > - BIOL200 - Introductory Evolution
> > > - BIOL207LEC - Microbiology Lecture
> > > - GEOG214 - Science of Climate Change
> > > - GEOG260 - Geoscience Field Experience
> > > - GEOL100 - Natural Disasters

> Math- 3 credits
> **Complete ANY of the following Courses:**
> - MATH107A - Mathematics for Liberal Arts
> - MATH109A - College Algebra
> - MATH115A - Probability and Statistics
> - MATH141 - Precalculus
> - MATH161 - Calculus I
> - MATH162A - Calculus II
> - MATH215A - Statistics for Science & Engineering
> - MATH276 - Linear Algebra With Applications
> - MATH283 - Calculus III
> - MATH295 - Differential Equations w/Linear Algebra

Ethics and Logic- 3 credits

Complete ANY of the following Courses:

- PHIL101 - Basic Concepts of Philosophy
- PHIL102 - Principles of Logic
- PHIL104 - Symbolic Logic
- PHIL202 - Introduction to Ethics
- PHIL203 - Philosophy of Religion
- PHIL204 - Biomedical Ethics
- PHIL205 - Business Ethics
- PHIL207 - Environmental Ethics

Social Relationships- 3 credits

Complete ANY of the following Courses:

- ECON101A - Principles of Macroeconomics
- ECON102A - Principles of Microeconomics
- PSYC102 - Applied Psychology
- PSYC201 - General Psychology
- PSYC203 - Abnormal Psychology
- PSYC207 - Life Span Development
- PSYC209 - Psychological Disorders of Childhood
- PSYC210 - Social Psychology
- SOC101 - Principles of Sociology
- SOC102A - Race, Ethnicity, & Immigration
- SOC202A - Modern Social Problems
- SOC203 - Introduction to Social Work
- SOC205 - Marriage and Family
- SOC206 - Introduction to Aging
- WGS101 - Intro to Women's & Gender Studies
- WGS201 - LGBTQ Studies

American Culture- 3 credits

Complete ANY of the following Courses:

- HIST201 - United States to 1877
- HIST202 - U.S. From Reconstruction-Present
- HIST207 - African American History
- HIST211 - Michigan History
- HIST212B - Gettysburg Battlefields
- HIST214 - Siege of Vicksburg-US Civil War
- HIST220 - Labor Studies
- PSCI111 - Introduction to American Government
- PSCI205 - Contemporary Political Issues in US
- PSCI220 - Labor Studies

Western Culture- 3 credits

Complete ANY of the following Courses:

- ART198 - Art History I: Ancient Art - Renaissance
- ART199 - Art History II - Renaissance Art/Modern
- ART202 - Contemporary Art History
- ENG200A - Heroes of Early Western Literature
- ENG201A - Heroes of Later Western Literature
- ENG205 - Introduction to Poetry
- ENG210 - The Nature of Language
- ENG213 - Literature of Shakespeare
- ENG225 - Major American Writers-American
- ENG226 - Major American Writers-American
- ENG227 - British Literature I (673-1744)
- ENG228 - British Literature II (1750-Today)
- ENG231 - Themes in Women's Literature
- HIST101 - Western Civilization to 1500
- HIST102 - Western Civilization -1500 to Present
- HUM195 - Introduction to Humanities

- TH201 - Introduction to Theater History

International Culture- 3 credits

Complete ANY of the following Courses:

- ANTH103 - Cultural Diversity in Contemp. Society
- ANTH110 - Introduction to Cultural Anthropology
- ENG207 - Literature of Race & Ethnicity
- ENG211 - Literature of World Mythology
- ENG218A - Horror, Fantasy, and Science Fiction
- FR101 - Basic French
- FR102 - Basic French
- FR201 - Intermediate French
- FR202 - Intermediate French
- GEOG104 - Cultural Geography
- GEOG105 - World Regional Geography
- GER101 - Basic German
- GER102 - Basic German
- HIST150 - World History to 1500 CE
- HIST151 - World History From 1500 CE
- HIST216 - Introduction to World War II
- PHIL105 - World Religions
- PSCI202 - International Relations
- PSCI210A - Int'l Organizations United Nations
- PSCI210B - International Organizations/Arab League
- PSCI211 - Comparative World Governments
- SPAN101 - Basic Spanish
- SPAN102 - Basic Spanish - Second Semester
- SPAN201 - Intermediate Spanish
- SPAN202 - Intermediate Spanish

Aesthetic Values- 3 credits

Fulfill ANY of the following requirements:

Aesthetic Values

Complete ANY of the following Courses:

- ART100A - Art Appreciation
- ART104 - Drawing I
- ART105B - Two-Dimensional Form and Surface
- ART106B - Beginning Printmaking: Relief & Monotype
- ART107 - Painting I
- ART108 - Ceramics I
- ART109 - Sculpture I
- ART117 - Three-Dimensional Form and Space
- ART118 - Beginning Printmaking Intaglio
- ART204B - Drawing II (Transfer Portfolio Prep)
- ART207 - Painting II
- ART208 - Ceramics II
- ART209 - Sculpture II
- ART214 - Photography 35MM Black/White
- ART215 - Intermediate Photography
- ART220 - Figure Drawing
- DNC100 - Modern Dance I
- DNC101 - Modern Jazz Dance I
- DNC102 - Ballet I
- DNC106 - Social Dance I
- DNC200 - Modern Dance II
- DNC201 - Modern Jazz Dance II
- DNC206 - Social Dance II
- DNC210A - Repertory Dance Tour Company
- DNC210B - Repertory Dance Tour Company
- DNC210C - Repertory Dance Tour Group
- DNC210D - Repertory Dance Tour Company

- ENG216 - Introduction to Film
- ENG223 - Poetry Writing Seminar
- MU100 - Introduction to Music Theory
- MU101 - Music Theory
- MU102 - Music Theory
- MU103A - Music Appreciation
- MU192 - Music for the Classroom Teacher
- MU193A - Hip-Hop, Rock, and All the World's Music
- MU194 - Sight Reading and Ear Training
- MU195 - Sight Reading and Ear Training
- MU201 - Advanced Theory
- MU202 - Advanced Theory
- TH101 - Theater Appreciation
- TH102 - Introduction to Acting I
- TH108 - Theater for Children
- TH121 - Introduction to Technical Theater
- TH122 - Theater Set and Lighting Design
- TH141 - Applied Theater-Acting
- TH142 - Applied Theater-Dance
- TH144 - Applied Theater-Costuming
- TH145 - Applied Theater-Scenery Construction
- TH147 - Applied Theater-Production Crew
- TH148 - Applied Theater-Performance
- TH160 - Acting for TV and Film
- TH202 - Introduction to Acting II
- TH203 - Reader's Theater
- TH204 - Improvisation for Actors
- TH217 - Creative Dramatics
- TH260 - Student Production Practicum

—— **OR** ——

Music course

Music classes numbered 100 and above except MU-240

Physical Education- 2-3 credits

Fulfill ANY of the following requirements:

Option 1:

Fulfill ALL of the following requirements:

PEA 1 credit

Complete ANY of the following Courses:
- PEA101A - Fitness, Wellness and Nutrition
- PEA103 - Weight Training
- PEA104A - Walking, Jogging and Conditioning
- PEA118 - Cycling
- PEA201 - Aerobic Movement for Fitness

—— **AND** ——

PEA 1 credit

Any PEA/DNC course

—— **OR** ——

Option 2 (3 credits):

Enroll in the following Courses:
- PEA121 - Human Movement Science

Program Specific Course(s)

Enroll in the following Courses:
- COM201 - Public Speaking

Computer Competency

Fulfill ANY of the following requirements:

CIS course

Pass any 3-credit-hour or greater CIS class with a "C" or better

—— **OR** ——

Competency Test

Pass MCC's CIS-110/120A Computer Competency Test

Electives- Minimum 24 credits

Electives comprised of additional classes and required class credits earned in the general education requirements. Please work with an MCC Pathway Counselor and refer to the transfer guide from 4 year institution to select courses to transfer. Recommended Elective: COM-101

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

ENG101
CIS110 or CIS120A
Math
Elective (6 credits-meet with a counselor)

Winter Semester

ENG102
COM201
Aesthetic Values
Social Relationship
Physical Education (2 credits)

Year 2

Fall Semester

Ethics & Logic
Western Culture
Science Lab
Elective (6 credits-meet with a counselor)

Winter Semester

American Culture
Science
International Culture
Elective (6 credits-meet with a counselor)

CUST_PROF - Customer Service Specialist-Professional Development Cred

Overview

Department Title
Business

Program Description
This certificate is part of the program leading to the Associate in Applied Science in Marketing Degree.

Degree
CUST - Customer Service

Requirements
Simple Requisites

Subplan
Certificate Requirements **Type** Completion Requirement **Complete ALL of the following Courses:** • BUS127 - Human Relations • BUS161A - Effective Selling • BUS166 - Quality Customer Service • BUS266 - Quality Customer Service II **Additional Comments:**
No Requirement Level

DMUS_CERT - Digital Music/Audio Production

Overview

Department Title
Art, Humanities

Program Description
The Digital Music and Audio Production certificate will provide students with a deep understanding of audio equipment, system design, and software as well as a basic understanding of music. Practical experience will enable the student to evaluate the needs of musicians in a recording session or live audio situation, choose the best equipment for the circumstances, and in the end, deliver a professional quality recording or live audio experience. Students will study music theory, keyboard performance, and perform with an ensemble in order to develop their own skills and to be able to speak confidently with musicians in session to help improve the final result. Working with other students in their cohort, they will also learn to collaborate when setting up a recording or live audio session and gain insights from other students' experience.

Degree
DMUS - Digital Music & Audio Producti

Requirements
Simple Requisites

Subplan
Certificate Requirement- 28 credits **Type**

Completion Requirement
Certificate Requirements
Fulfill ALL of the following requirements:
Choose 2 course- 2 credits **Complete ANY of the following Courses:** • MU111A - Wind Ensemble • MU111B - Wind Ensemble • MU111C - Wind Ensemble • MU111D - Wind Ensemble • MU111D - Wind Ensemble • MU111E - Wind Ensemble • MU111F - Wind Ensemble • MU117A - Jazz Ensemble • MU117B - Jazz Ensemble • MU117C - Jazz Ensemble • MU117D - Jazz Ensemble • MU117E - Jazz Ensemble • MU117F - Jazz Ensemble • MU110A - Jayhawk Sound • MU110B - Jayhawk Sound • MU110C - Jayhawk Sound • MU110D - Jayhawk Sound • MU110E - Jayhawk Sound • MU110F - Jayhawk Sound • MU104CS - College Singers • MU105CS - College Singers
Complete ALL **Complete ALL of the following Courses:** • DMU101 - Audio Recording I • DMU102 - Audio Recording II • DMU103 - Audio Recording III • DMU110 - Intro to MIDI and Digital Instruments • DMU201 - Digital Music & Audio Capstone Project • MU100 - Introduction to Music Theory • MU190C - Class Piano (Basic Piano) • MU191C - Class Piano • MU240 - Professional Practices in Music • DMU104 - Live Audio Production
Additional Comments:
No Requirement Level

Degree Maps
Degree Maps

Year 1

Fall Semester
DMU101
MU100
MU190C
MU104CS or 110(A-F), or 111(A-F), or 117(A-F)

Winter Semester

DMU102
MU191C
MU105CS or 110(A-F) or 111(A-F), or 117(A-F)
DMU110
DMU104

Summer Semester

DMU103
DMU201
MU240

ED.AS - Education-Associate in Science

Overview

Department Title
Education

Program Description
Muskegon Community College offers a program preparing students to work in education. This degree is intended to be a terminal degree for paraprofessionals and a foundation for elementary teacher preparation. Paraprofessionals and teacher assistants work in various grades/classrooms and latchkey programs supporting student learning. It is an opportunity for students to gain professional recognition for demonstrating educational competence. This degree provides a solid foundation to build into a Bachelor of Science degree in Elementary Education for those wishing to continue their education. Students planning to transfer should consult with an MCC counselor. The transfer area of study that closely matches the curriculum for Pre-K-3rd or 3-6 teacher certification.

Degree
AS - Associate in Science

Requirements

Simple Requisites

Subplan

Program Requirements- 60 credits
Type
Completion Requirement

General Education Requirements- 34-36 credits

Fulfill ALL of the following requirements:

English/Communication-9 credits

Complete ALL of the following Courses:
- ENG101 - English Composition
- ENG102 - English Composition
- COM201 - Public Speaking

— AND —

Natural Sciences- 8 credits

Fulfill ALL of the following requirements:

Choose 1:

Complete exactly 1 course(s) and earn exactly 4 credits from the following:
- ASTR101 - General Astronomy
- CHEM100LEC - Chemistry Fundamentals - Lecture
- CHEM100A - Chemistry Fundamentals Lab

- GEOG101A - Physical Geography - Lecture and Lab
- GEOG214 - Science of Climate Change
- GEOG215 - Introduction to Weather and Climate
- GEOL100 - Natural Disasters
- GEOL101A - Introduction to Physical Geology
- PHSC101A - Introductory Physical Science L& L

— AND —

Take

Enroll in the following Courses:
- BIOL113L&L - Introductory Biology

— AND —

Math Requirement- 4 credits

Complete exactly 1 course(s) and earn exactly 4 credits from the following:
- MATH107A - Mathematics for Liberal Arts
- MATH109A - College Algebra

— AND —

Social Science- 7 credits

Enroll in the following Courses:
- HIST201 - United States to 1877
- PSYC201 - General Psychology

— AND —

Humanities and Fine Arts- Must be in TWO or more disciplines/subjects.

Complete exactly 2 course(s) and earn 6 - 8 credits from the following:
- ART100A - Art Appreciation
- ART198 - Art History I: Ancient Art - Renaissance
- ART199 - Art History II - Renaissance Art/Modern
- ART202 - Contemporary Art History
- ENG200A - Heroes of Early Western Literature
- ENG201A - Heroes of Later Western Literature
- ENG205 - Introduction to Poetry
- ENG207 - Literature of Race & Ethnicity
- ENG210 - The Nature of Language
- ENG211 - Literature of World Mythology
- ENG213 - Literature of Shakespeare
- ENG216 - Introduction to Film
- ENG218A - Horror, Fantasy, and Science Fiction
- ENG223 - Poetry Writing Seminar
- ENG225 - Major American Writers-American
- ENG226 - Major American Writers-American
- ENG227 - British Literature I (673-1744)
- ENG228 - British Literature II (1750-Today)
- ENG231 - Themes in Women's Literature
- FR101 - Basic French
- FR102 - Basic French
- FR201 - Intermediate French
- FR202 - Intermediate French
- GER101 - Basic German

- GER102 - Basic German
- SPAN101 - Basic Spanish
- SPAN102 - Basic Spanish - Second Semester
- SPAN201 - Intermediate Spanish
- SPAN202 - Intermediate Spanish
- HIST101 - Western Civilization to 1500
- HIST102 - Western Civilization -1500 to Present
- HIST150 - World History to 1500 CE
- HIST151 - World History From 1500 CE
- HIST216 - Introduction to World War II
- HUM195 - Introduction to Humanities
- MU100 - Introduction to Music Theory
- MU101 - Music Theory
- MU102 - Music Theory
- MU103A - Music Appreciation
- MU192 - Music for the Classroom Teacher
- MU193A - Hip-Hop, Rock, and All the World's Music
- MU194 - Sight Reading and Ear Training
- MU195 - Sight Reading and Ear Training
- MU201 - Advanced Theory
- MU202 - Advanced Theory
- PHIL101 - Basic Concepts of Philosophy
- PHIL102 - Principles of Logic
- PHIL104 - Symbolic Logic
- PHIL105 - World Religions
- PHIL202 - Introduction to Ethics
- PHIL203 - Philosophy of Religion
- PHIL204 - Biomedical Ethics
- PHIL205 - Business Ethics
- PHIL207 - Environmental Ethics
- TH101 - Theater Appreciation
- TH102 - Introduction to Acting I
- TH108 - Theater for Children
- TH121 - Introduction to Technical Theater
- TH122 - Theater Set and Lighting Design
- TH160 - Acting for TV and Film
- TH201 - Introduction to Theater History
- TH202 - Introduction to Acting II
- TH217 - Creative Dramatics

Program Required- 22 credits

Enroll in the following Courses:

- ED101B - Introduction to Education
- ED216A - Educating Exceptional Children
- ED225A - Child Development (age 0-8)
- ED230A - Children's Literature
- ED234A - Educational Psychology
- HIST211 - Michigan History
- MATH105 - Mathematics for Elementary Teachers

Required Elective- 1 course 2-4 credits

Complete ANY of the following Courses:

- ED202A - Teaching of Reading - Elem. School
- ED220B - Early Childhood Observation & Assessment
- GEOG105 - World Regional Geography
- PSCI111 - Introduction to American Government
- ECON102A - Principles of Microeconomics
- SOC101 - Principles of Sociology
- HUM195 - Introduction to Humanities

Additional Comments:

No Requirement Level

Degree Maps
Degree Maps

Year 1
Fall Semester
ENG101
ED101B
ED225A
Natural Science: BIOL113L&L
Humanities/ Fine Art

Winter Semester
ENG102
MATH107A or MATH109A
PSYC201
ED216A

Year 2
Fall Semester
ED230A
Math105
Humanities/Fine Art
COM201
HIST211

Winter Semester
ED234A
Required Electives ED202A or ED216A or ED220B
GEOG105 or PSCI111 or ECON102A or SOC101 or HUM195
Physical Science
HIST201

EDCD.AAS - Child Development Associate- Associate in Applied Science
Overview
Department Title
Education

Program Description
Associate in Applied Science in Child Development Associates

This degree is accredited by the National Association for the Education of Young Children (NAEYC). The curriculum aligns with the NAEYC standards, the Council for Professional Recognition (CDA) and the Michigan Early Childhood Core Knowledge and Competencies.

Students are focused on understanding the development of children from birth to eight years of age through hands-on practical fieldwork and classroom instruction. An emphasis will be placed on an anti-bias curriculum covering the physical, intellectual, emotional and social domains of development. Students will be prepared for the Child Development Associate (CDA)assessment process, as part of the national credential recognized by the Council for Early Childhood Professional Recognition. The degree prepares students to be preschool teachers, child care center directors, Head Start teachers, teacher aides and classroom assistants.

This program is intended for direct employment into the field of early childhood education.

Muskegon Community College

Degree
AAS - Associate in Applied Science

Requirements

Simple Requisites

Subplan

Program Requirements- 62 credits
Type
Completion Requirement

General Education Requirements- 20-22 credits

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- ENG101 - English Composition
- BCOM102 - Adv Business & Technical Communications

———————— **AND** ————————

Choose 1:

Complete exactly 1 course(s) and earn 3 - 4 credits from the following:
- BUS126 - Business Mathematics
- MATH105 - Mathematics for Elementary Teachers

———————— **AND** ————————

Choose 1:

Complete exactly 1 course(s) and earn exactly 3 credits from the following:
- CIS110 - Computer Concepts
- CIS120A - Intro to Computer Information Systems

———————— **AND** ————————

Choose 1:

Complete exactly 1 course(s) and earn exactly 3 credits from the following:
- BUS127 - Human Relations
- COM101 - Oral Communications

———————— **AND** ————————

Choose 1:

Complete exactly 1 course(s) and earn 3 - 4 credits from the following:
- GEOG104 - Cultural Geography
- PHIL205 - Business Ethics
- PSCI111 - Introduction to American Government
- PSCI211 - Comparative World Governments
- PSYC102 - Applied Psychology
- PSYC201 - General Psychology

———————— **AND** ————————

PEA- 2 credits

Fulfill ALL of the following requirements:

PEA 1 credit

Complete ANY of the following Courses:
- PEA101A - Fitness, Wellness and Nutrition
- PEA103 - Weight Training
- PEA104A - Walking, Jogging and Conditioning
- PEA118 - Cycling
- PEA201 - Aerobic Movement for Fitness

———————— **AND** ————————

PEA 1 credit

Take One PEA/DNC course of choice

Career Program Requirements- 32 credits

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- ED109A - Parent-Child Connection
- ED111A - Introduction to Early Childhood Edu
- ED120C - Anti-Bias Curriculum in Early Childhood
- ED210 - Child Care and Guidance
- ED211A - Behavior Management
- ED214A - Infant and Toddler Development and Care
- ED220B - Early Childhood Observation & Assessment
- ED230A - Children's Literature
- ED252B - Child Development Practicum

———————— **AND** ————————

Choose 1:

Complete exactly 1 course(s) and earn exactly 3 credits from the following:
- ED225A - Child Development (age 0-8)
- ED250A - Human Growth and Learning

Recommended Electives- 8-10 credits

Complete ANY of the following Courses:
- CSS100A - College Success Seminar
- ED202A - Teaching of Reading - Elem. School
- ED234A - Educational Psychology
- MU192 - Music for the Classroom Teacher
- SOC101 - Principles of Sociology
- TH108 - Theater for Children

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

ED111A
ED109A
ED225A or ED250A
Education Elective Course (meet with a counselor)
ENG101
Education Fieldwork hours (100)

Winter Semester

ED120C
ED211A
ED220B
PEA101A or PEA103 or PEA104A or PEA118 or PEA201
BCOM102
CIS110 or CIS120A
Education Elective Course (meet with a counselor)
Education Fieldwork Hours (100)

Year 2

Fall Semester

ED214A
ED230A
ED216A
Elective (meet with a counselor)
BUS127 or COM101
PEA/DNC of choice
Education Fieldwork Hours (75/100)

Winter Semester

ED210
ED252B
Core Option (meet with a counselor)
BUS126 or MATH105
Education Fieldwork Hours (205/180)

EDCD_CERT - Child Development Associate-Certificate

Overview

Department Title
Education

Program Description
The certificate prepares students to apply for the Child Development Associate(CDA) credential in a center-based preschool program awarded by the Council for Professional Recognition. The requiremenents include the 120 formal hours of training and the 480 required fieldwork hours. The certificate prepares students for entry-level employment in an early childhood education environment or building into an associate degree.

Degree
EDCD - Child Development Associate

Requirements

Simple Requisites

Subplan

Certificate Requirements-20 credits

Type
Completion Requirement

Requirements

Fulfill ALL of the following requirements:

Required Courses

Complete ALL of the following Courses:
- ED109A - Parent-Child Connection
- ED111A - Introduction to Early Childhood Edu
- ED120C - Anti-Bias Curriculum in Early Childhood
- ED210 - Child Care and Guidance
- ED220B - Early Childhood Observation & Assessment
- ED252B - Child Development Practicum

— AND —

Choose 1:

Complete ANY of the following Courses:
- ED225A - Child Development (age 0-8)
- ED250A - Human Growth and Learning

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

ED109A
ED111A
ED225A or ED250A
ED120C
Education Fieldwork hours (100)

Winter Semester

ED220B
ED210
ED252B
Education Fieldwork Hours (380)

EDUC.ASA - Early Childhood Education-Associate in Science & Arts

Overview

Department Title
Education

Program Description
Associate in Science and Arts in Early Childhood Education

This degree is accredited by the National Association for the Education of Young Children (NAEYC). The curriculum aligns with the NAEYC standards, the Council for Professional Recognition (CDA) and the Michigan Early Childhood Core Knowledge and Competencies.

Students are focused on understanding the development of children from birth to

eight years of age through hands-on practical fieldwork and classroom instruction. An emphasis will be placed on an anti-bias curriculum covering the physical, intellectual, emotional and social domains of development. Students will be prepared for the Child Development Associate (CDA)assessment process, as part of the national credential recognized by the Council for Early Childhood Professional Recognition. The degree prepares students to be preschool teachers, child care center directors, Head Start teachers, teacher aides and classroom assistants.

In addition it fulfills the Michigan Transfer Agreement (MTA) requirement as part of continued education towards the ZS (Early Childhood Education) major/endorsement or elementary studies degree.

Degree
ASA - Associate in Science and Arts

Requirements

Simple Requisites

Subplan

Program Requirements
Type
Completion Requirement

Communication- 6 credits

Enroll in the following Courses:
- ENG101 - English Composition
- ENG102 - English Composition

Science- 6 credits

Fulfill ALL of the following requirements:

Lab classes:

Fulfill ANY of the following requirements:

Biology

Any MCC Biology course with a lab

──────── OR ────────

Chemistry

Any MCC Chemistry course with a lab

──────── OR ────────

Lab courses

Complete ANY of the following Courses:
- ENV110L&L - Environmental Science
- GEOG101A - Physical Geography - Lecture and Lab
- GEOG215 - Introduction to Weather and Climate
- GEOL101A - Introduction to Physical Geology
- GEOL102 - Introduction to Earth History
- PHSC101A - Introductory Physical Science L& L
- PHYS201CL&L - College Physics I Lecture and Lab
- PHYS202CL&L - Principles of Physics Lecture & Lab
- PHYS203L&L - Engineering Physics Lecture & Lab
- PHYS204L&L - Engineering Physics Lecture & Lab

──────── AND ────────

Non-Lab

Complete ALL of the following Courses:
- ANTH105D - Intro to Phys Anthropology/Archaeology
- ASTR101 - General Astronomy
- ASTR105A - Cosmology
- BIOL115 - Intro to Anatomy and Physiology
- BIOL200 - Introductory Evolution
- BIOL207LEC - Microbiology Lecture
- GEOG214 - Science of Climate Change
- GEOG260 - Geoscience Field Experience

Math- 3 credits

Complete ANY of the following Courses:
- MATH107A - Mathematics for Liberal Arts
- MATH109A - College Algebra
- MATH115A - Probability and Statistics
- MATH141 - Precalculus
- MATH161 - Calculus I
- MATH162A - Calculus II
- MATH215A - Statistics for Science & Engineering
- MATH276 - Linear Algebra With Applications
- MATH283 - Calculus III
- MATH295 - Differential Equations w/Linear Algebra

Ethics and Logic- 3 credits

Complete ANY of the following Courses:
- PHIL101 - Basic Concepts of Philosophy
- PHIL102 - Principles of Logic
- PHIL104 - Symbolic Logic
- PHIL202 - Introduction to Ethics
- PHIL203 - Philosophy of Religion
- PHIL204 - Biomedical Ethics
- PHIL205 - Business Ethics
- PHIL207 - Environmental Ethics

Social Relationships- 3 credits

Complete ANY of the following Courses:
- ECON101A - Principles of Macroeconomics
- ECON102A - Principles of Microeconomics
- PSYC102 - Applied Psychology
- PSYC201 - General Psychology
- PSYC203 - Abnormal Psychology
- PSYC207 - Life Span Development
- PSYC209 - Psychological Disorders of Childhood
- PSYC210 - Social Psychology
- SOC101 - Principles of Sociology
- SOC102A - Race, Ethnicity, & Immigration
- SOC202A - Modern Social Problems
- SOC203 - Introduction to Social Work
- SOC206 - Introduction to Aging
- WGS101 - Intro to Women's & Gender Studies
- WGS201 - LGBTQ Studies

Western Culture- 3 credits

Complete ANY of the following Courses:
- ART198 - Art History I: Ancient Art - Renaissance
- ART199 - Art History II - Renaissance Art/Modern
- ART202 - Contemporary Art History
- ENG200A - Heroes of Early Western Literature

- ENG205 - Introduction to Poetry
- ENG210 - The Nature of Language
- ENG213 - Literature of Shakespeare
- ENG225 - Major American Writers-American
- ENG226 - Major American Writers-American
- ENG227 - British Literature I (673-1744)
- ENG228 - British Literature II (1750-Today)
- ENG231 - Themes in Women's Literature
- HIST101 - Western Civilization to 1500
- HIST102 - Western Civilization -1500 to Present
- HUM195 - Introduction to Humanities
- TH201 - Introduction to Theater History

American Culture- 3 credits

Complete ANY of the following Courses:

- HIST201 - United States to 1877
- HIST202 - U.S. From Reconstruction-Present
- HIST207 - African American History
- HIST211 - Michigan History
- HIST212B - Gettysburg Battlefields
- HIST214 - Siege of Vicksburg-US Civil War
- HIST220 - Labor Studies
- PSCI111 - Introduction to American Government
- PSCI205 - Contemporary Political Issues in US
- PSCI220 - Labor Studies

International Culture- 3 credits

Complete ANY of the following Courses:

- ANTH103 - Cultural Diversity in Contemp. Society
- ANTH110 - Introduction to Cultural Anthropology
- ENG207 - Literature of Race & Ethnicity
- ENG211 - Literature of World Mythology
- ENG218A - Horror, Fantasy, and Science Fiction
- FR101 - Basic French
- FR102 - Basic French
- FR201 - Intermediate French
- FR202 - Intermediate French
- GEOG104 - Cultural Geography
- GEOG105 - World Regional Geography
- GER101 - Basic German
- GER102 - Basic German
- HIST150 - World History to 1500 CE
- HIST151 - World History From 1500 CE
- HIST216 - Introduction to World War II
- PHIL105 - World Religions
- PSCI202 - International Relations
- PSCI210A - Int'l Organizations United Nations
- PSCI210B - International Organizations/Arab League
- PSCI211 - Comparative World Governments
- SPAN101 - Basic Spanish
- SPAN102 - Basic Spanish - Second Semester
- SPAN201 - Intermediate Spanish
- SPAN202 - Intermediate Spanish

Aesthetic Values- 3 credits

Fulfill ANY of the following requirements:

Aesthetic Values

Complete ANY of the following Courses:

- ART100A - Art Appreciation
- ART104 - Drawing I

- ART105B - Two-Dimensional Form and Surface
- ART107 - Painting I
- ART108 - Ceramics I
- ART109 - Sculpture I
- ART220 - Figure Drawing
- DNC100 - Modern Dance I
- DNC101 - Modern Jazz Dance I
- DNC102 - Ballet I
- DNC106 - Social Dance I
- DNC200 - Modern Dance II
- DNC201 - Modern Jazz Dance II
- DNC206 - Social Dance II
- DNC210A - Repertory Dance Tour Company
- DNC210B - Repertory Dance Tour Company
- DNC210C - Repertory Dance Tour Group
- DNC210D - Repertory Dance Tour Company
- ENG216 - Introduction to Film
- ENG223 - Poetry Writing Seminar
- MU100 - Introduction to Music Theory
- MU101 - Music Theory
- MU102 - Music Theory
- MU103A - Music Appreciation
- MU192 - Music for the Classroom Teacher
- MU194 - Sight Reading and Ear Training
- MU195 - Sight Reading and Ear Training
- MU201 - Advanced Theory
- MU202 - Advanced Theory
- TH101 - Theater Appreciation
- TH102 - Introduction to Acting I
- TH108 - Theater for Children
- TH121 - Introduction to Technical Theater
- TH122 - Theater Set and Lighting Design
- TH141 - Applied Theater-Acting
- TH142 - Applied Theater-Dance
- TH144 - Applied Theater-Costuming
- TH145 - Applied Theater-Scenery Construction
- TH147 - Applied Theater-Production Crew
- TH148 - Applied Theater-Performance
- TH160 - Acting for TV and Film
- TH202 - Introduction to Acting II
- TH203 - Reader's Theater
- TH204 - Improvisation for Actors
- TH212 - Summer Theater Workshop
- TH217 - Creative Dramatics
- TH260 - Student Production Practicum

———————————— OR ————————————

Music

Music classes level 100 or above except MU-240 and MU-193

Computer Competency

Fulfill ANY of the following requirements:

CIS course

Any 3-credit CIS course with "C' or better

———————————— OR ————————————

Competency Test

Pass MCC's CIS-110/120A Computer Competency Test

Required courses- 26 credits

Fulfill ALL of the following requirements:

Required courses

Complete ALL of the following Courses:
- ED109A - Parent-Child Connection
- ED111A - Introduction to Early Childhood Edu
- ED120C - Anti-Bias Curriculum in Early Childhood
- ED211A - Behavior Management
- ED214A - Infant and Toddler Development and Care
- ED220B - Early Childhood Observation & Assessment
- ED230A - Children's Literature
- ED210 - Child Care and Guidance
- ED252B - Child Development Practicum

––––––––––––– AND –––––––––––––

One of the following:

Complete ANY of the following Courses:
- ED225A - Child Development (age 0-8)
- ED250A - Human Growth and Learning

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

ENG101
ED111A
ED225A or ED250A
Math
Social Relationships
Western Culture
Education Fieldwork hours (75)

Winter Semester

ED120C
ED220B
ENG102
Computer Competency
Science with lab
ED211A
Education Fieldwork Hours (50)

Year 2

Fall Semester

ED214A
ED230A
Aesthetic Values
ED109A
Science
Education Fieldwork Hours (50)

Winter Semester

ED210
ED252B
Ethics and Logic
International Culture
American Culture
Education Fieldwork Hours (315)

EGRDE.AAS - Graphic Design Entrepreneur

Overview

Department Title
Graphic Design

Program Description
Students completing this set of classes will have the foundation skills to run a freelance graphic design business. The skill set includes competency in creating graphic design solutions for either print or web-based advertising. Students will develop proficiencies in contemporary graphic design software, image creation and integrating animation techniques in final design solutions. Students will apply fundamental design elements and principles using type, image, and layout to create professional quality display advertising.

Degree
AAS - Associate in Applied Science

Requirements

Simple Requisites

Subplan

Program Requirements- 62-63 credits
Type
Completion Requirement

General Education Requirements- 18 credits

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- ENG101 - English Composition
- BCOM102 - Adv Business & Technical Communications
- BUS126 - Business Mathematics
- CIS120A - Intro to Computer Information Systems
- PHIL205 - Business Ethics

––––––––––––– AND –––––––––––––

Choose 1:

Complete exactly 1 course(s) and earn exactly 3 credits from the following:
- BUS127 - Human Relations
- COM101 - Oral Communications

Entrepreneur Core Requirements- 12 credits

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- BUS131 - Intro to Entrepreneurship
- BUS167 - Professionalism in Your Career

- BUS223 - Starting Your Business Plan
- BUS240 - Entrepreneurship Capstone

— AND —

Choose 1:

Complete exactly 1 course(s) and earn exactly 3 credits from the following:
- BUS161A - Effective Selling
- BUS220 - E-Business
- BUS204 - eMarketing

Degree Requirements- 32-33 credits

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- BUS263 - Advertising Dynamics
- GRD205 - UX Design and Implementation Foundation
- GRD101 - Introduction to InDesign
- GRD102 - Introduction to Illustrator
- GRD103 - Introduction to Photoshop
- GRD110 - Principles of Design
- GRD120 - Introduction to Graphic Design
- GRD140 - Introduction to Typography
- GRD210 - Graphic Design II
- GRD280 - Portfolio Preparation

— AND —

Choose 1:

Complete exactly 1 course(s) and earn 2 - 3 credits from the following:
- GRD290CI2 - Graphic Design Internship
- GRD292 - Graphic Design Studio M

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

ENG101
CIS120A
GRD110
GRD101
BUS131
BUS263

Winter Semester

BCOM102
BUS167
GRD102

GRD120
GRD140
BUS204

Year 2

Fall Semester

BUS127
PHIL205
BUS126
GRD210
GRD103

Winter Semester

GRD205
BUS240
BUS223
GRD280
GRD292 or GRD290CI2

ELENG.AAS - Electronics Engineering Technology

Overview

Department Title
Tech Related

Program Description
This curriculum is designed to prepare a student for employment as an electrical and electronics technician in manufacturing, commercial repair, or service industries.

Degree
AAS - Associate in Applied Science

Requirements

Simple Requisites

Subplan

Program Requirements- 62 credits
Type
Completion Requirement

General Education Requirements- 15-19 credits

Fulfill ALL of the following requirements:

English

Complete ALL of the following Courses:
- ENG101 - English Composition

— AND —

Choose 3:

Complete exactly 3 course(s) and earn 9 - 11 credits from the following:
- ANTH103 - Cultural Diversity in Contemp. Society
- BCOM102 - Adv Business & Technical Communications
- BUS127 - Human Relations
- COM201 - Public Speaking
- CSS100A - College Success Seminar
- ECON101A - Principles of Macroeconomics

- ENG102 - English Composition
- HUM195 - Introduction to Humanities
- PHIL102 - Principles of Logic
- PHIL202 - Introduction to Ethics
- PSYC201 - General Psychology
- SOC101 - Principles of Sociology

— AND —

Choose 1 Math course:

Complete exactly 1 course(s) and earn 3 - 5 credits from the following:
- TMAT101A - Technical Math I
- TMAT102A - Technical Math II
- TMAT201 - Technical Math III
- MATH109A - College Algebra
- MATH141 - Precalculus

Electronics Technology Requirements- 29 credits

Complete ALL of the following Courses:
- ELTC101AL&L - Electricity-Basic
- ELTC160L&L - Programmable Controllers
- ELTC210 - Industrial Communications
- ELTC220 - Electrical Troubleshooting
- ELTR101A - Electronics-Basic
- ELTR102B - Electronics 1: Active Devices
- ELTR112A - Digital Electronics I
- ELTR202B - Industrial Electronic Systems

Electives- 14-18 credits

Complete ANY of the following Courses:
- AMT129A - Introduction to Technology
- ARE115 - Wind Turbine & Solar Array Installation
- BUS125 - Supervision
- CAD110 - Introduction to Computer-Aided Drafting
- CAD210 - Parametric Design I-Part Modeling
- CAD250 - Introduction to SolidWorks 3D
- COM101 - Oral Communications
- COM201 - Public Speaking
- CSS100A - College Success Seminar
- ELTC103 - Residential Wiring
- ELTC104A - Basic Industrial Robotics
- ELTC106 - Fire Alarm Systems
- ELTC150 - Industrial Electricity
- ELTC152 - National Electrical Code
- ELTC203 - Advanced Programmable Controllers
- ELTC204A - Advanced Industrial Robotics
- ELTR212A - Biomedical Instrumentation II
- ENGR105 - Introduction to Engineering
- HE110 - Industrial Safety and Workplace Training
- HP101 - Hydraulics/Pneumatics
- HP201 - Advanced Hydraulics
- MATH161 - Calculus I
- MATH162A - Calculus II
- MET101 - Industrial Materials
- MT101B - Basic Machining
- PEA103 - Weight Training
- PHYS201CL&L - College Physics I Lecture and Lab
- PHYS202CL&L - Principles of Physics Lecture & Lab
- PHYS203L&L - Engineering Physics Lecture & Lab
- PHYS204L&L - Engineering Physics Lecture & Lab

- TECH200 - Applied Alternative & Renewable Energy
- TECH201A - Introduction to Mechatronics
- TECH290CI - Cooperative Internship
- W101A - Basic Welding

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

ELTC101AL&L
ENG101
Choose One (See Program Requirements for options)
Electives (6-10 credits- See Program Requirements for options)

Winter Semester

ELTR101A
ELTC160L&L
Math
ELTR112A
Electives (1-5 credits- See Program Requirements for options)

Year 2

Fall Semester

ELTR102B
ELTC220
Choose One (See Program Requirements for options)
Electives (1-5 credits- See Program Requirements for options)

Winter Semester

ELTR202B
Choose One (See Program Requirements for options)
ELTC210
Electives (2-5 credits- See Program Requirements for options)

ELTR_CERT - Electronics Technology-Certificate

Overview

Department Title
Electricity/Electronics

Program Description
A program that prepares individuals to apply basic technical skills in support of electrical, electronics and communication engineers. Includes instruction in electrical circuitry, prototype development and testing, systems analysis and testing, systems maintenance, instrument calibration, and report preparation.

Degree
ELTR - Electronics Technology

Requirements

Simple Requisites

Subplan

Program Description

This degree program provides the foundation skills for the performance musician to operate, promote, manage, and stage a musical act in the professional music world. Everyone seeking this degree makes music and participates in ensembles of their own choosing. Students have the option of specializing in one instrument or broadening their instrumental repertoire through the study of multiple instruments. To put their own music performances into proper perspective, students are asked to explore music literature and music theory. They also gain hands-on experience with the technology and software professionals use for business communication, accounting and finance functions associated with money making enterprises. People completing this degree are exposed to music career options and common business practices, along with the challenges and joys of being a musical artist.

Degree
AAS - Associate in Applied Science

Certificate Requirements- 29-31 credits

Type
Completion Requirement

Requirements

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- ELTC101AL&L - Electricity-Basic
- ELTR101A - Electronics-Basic
- ELTR102B - Electronics 1: Active Devices
- ELTR112A - Digital Electronics I
- ELTR202B - Industrial Electronic Systems
- ELTC160L&L - Programmable Controllers
- ELTC220 - Electrical Troubleshooting

— AND —

Math

Complete ANY of the following Courses:
- TMAT101A - Technical Math I
- TMAT102A - Technical Math II
- TMAT201 - Technical Math III
- MATH109A - College Algebra
- MATH141 - Precalculus

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester
ELTC101AL&L
Math

Winter Semester
ELTR101A
ELTR112A

Year 2

Fall Semester
ELTR102B
ELTC160L&L

Winter Semester
ELTR202B
ELTC220

EMUP.AAS - Music Performance Entrepreneurial - AAS

Overview

Department Title
Music

Requirements

Simple Requisites

Subplan

Program Requirements- 62 credits

Type
Completion Requirement

General Education Requirements- 20 credits

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- BCOM102 - Adv Business & Technical Communications
- BUS126 - Business Mathematics
- COM101 - Oral Communications
- CIS120A - Intro to Computer Information Systems
- PHIL205 - Business Ethics

— AND —

Choose 1:

Complete exactly 1 course(s) and earn exactly 1 credits from the following:
- PEA101A - Fitness, Wellness and Nutrition
- PEA103 - Weight Training
- PEA104A - Walking, Jogging and Conditioning
- PEA118 - Cycling
- PEA201 - Aerobic Movement for Fitness

— AND —

1 PEA credit

Fulfill ANY of the following requirements:

HE-110

Enroll in the following Courses:
- HE110 - Industrial Safety and Workplace Training

— OR —

1 PEA credit

Take One PEA/DNC course of choice

Entrepreneur Core Requirements- 12 credits

Complete ALL of the following Courses:
- BUS131 - Intro to Entrepreneurship
- BUS161A - Effective Selling
- BUS167 - Professionalism in Your Career
- BUS223 - Starting Your Business Plan
- BUS240 - Entrepreneurship Capstone

Degree Requirements-30 credits

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- MU100 - Introduction to Music Theory
- MU101 - Music Theory
- MU103A - Music Appreciation
- MU190A - Class Piano for Music Majors
- MU194 - Sight Reading and Ear Training
- MU240 - Professional Practices in Music

———— AND ————

Music

Any MU Performance/Ensemble courses- 4 credits

———— AND ————

Music

Electives can be any MU course not already taken- 3 credits

———— AND ————

Applied Music Options (select one from the following 3 options)- 8 credits

Fulfill ANY of the following requirements:

Option 1:

Fulfill ALL of the following requirements:

2 courses

Any 2 course sequence with a primary instrument from MU-148 to MU-198

———— AND ————

2 courses

Any 2 course sequence with an advanced instrument from MU-248 to MU-289

———— OR ————

Option 2:

Fulfill ALL of the following requirements:

2 courses

Any 2 course sequence with a primary instrument from MU-148 to MU-189

———— AND ————

4 courses

Any 4 courses with a secondary instrument from MU-127 to MU-147

———— OR ————

Option 3:

Fulfill ALL of the following requirements:

8 courses

Any 8 courses with a secondary instrument from MU-127 to MU-147

Additional Comments:

No Requirement Level

ENGBI.AAS - Biomedical Engineering Technology

Overview

Department Title
Applied Manufacturing Tech Lab

Program Description
This curriculum is designed to prepare a student for employment as a Biomedical Technician. The biomedical electronics technician is a person knowledgeable in the theory of operation, the underlying physiological principles, and the safe clinical application of biomedical equipment. Responsibilities may include installation, calibration, inspection, preventive maintenance, and repair of general biomedical and related technical equipment. The technician might be involved in the operation of equipment and in equipment control, safety, and maintenance.

Degree
AAS - Associate in Applied Science

Requirements

Simple Requisites

Subplan

Program Requirements- 62-66 credits
Type
Completion Requirement

General Education Requirements- 21-25 credits

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- ENG101 - English Composition
- HE110 - Industrial Safety and Workplace Training
- BIOL152L&L - Human Anatomy

- BIOL252L&L - Human Physiology

--- AND ---

Choose 2:

Complete exactly 2 course(s) and earn 6 - 8 credits from the following:
- ANTH103 - Cultural Diversity in Contemp. Society
- BCOM102 - Adv Business & Technical Communications
- BUS127 - Human Relations
- COM201 - Public Speaking
- CSS100A - College Success Seminar
- ECON101A - Principles of Macroeconomics
- ENG102 - English Composition
- HUM195 - Introduction to Humanities
- PHIL102 - Principles of Logic
- PHIL202 - Introduction to Ethics
- PSYC201 - General Psychology
- SOC101 - Principles of Sociology

--- AND ---

Choose 1:

Complete exactly 1 course(s) and earn 3 - 5 credits from the following:
- TMAT102A - Technical Math II
- TMAT201 - Technical Math III
- MATH109A - College Algebra
- MATH141 - Precalculus

Technical-Related Requirements- 41 credits

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- CIS120A - Intro to Computer Information Systems
- CIS183 - Networking Technologies
- ELTC101AL&L - Electricity-Basic
- ELTC150 - Industrial Electricity
- ELTC220 - Electrical Troubleshooting
- ELTR101A - Electronics-Basic
- ELTR102B - Electronics 1: Active Devices
- ELTR112A - Digital Electronics I
- ELTR212A - Biomedical Instrumentation II
- ELTR214 - Biomedical Instrumentation I

--- AND ---

6 credits

Enroll in the following Courses:
- TECH290CI - Cooperative Internship

Additional Comments:

No Requirement Level

Degree Maps
Degree Maps

Year 1

Fall Semester
BIOL152L&L
ELTC101AL&L
ENG101
HE110
TMAT101A, or TMAT102A, or TMAT201, or MATH141

Winter Semester
Choose one (See program requirements)
BIOL252L&L
ELTC150
ELTR101A
ELTR112A

Year 2

Fall Semester
CIS120A
ELTC220
ELTR102B
ELTR214
TECH290CI

Winter Semester
Choose one (See program requirements)
CIS183
ELTR212A
TECH290CI

ENGRT.AAS - Engineering Technology

Overview
Department Title
Tech Related

Program Description
This curriculum is designed to prepare a student for entry-level engineering and technical positions related to industry and technology. This degree is designed to prepare graduates for entry-level work in the field of engineering and/or to transfer to a 4-year institution for continuing engineering study.

Degree
AAS - Associate in Applied Science

Requirements
Simple Requisites

Subplan

Program Requirements- 60 credits
Type
Completion Requirement

Requirements
Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:

- ENG101 - English Composition
- MATH141 - Precalculus

—————— AND ——————

Choose 3:

Complete exactly 3 course(s) and earn exactly 9 credits from the following:

- ART100A - Art Appreciation
- ART198 - Art History I: Ancient Art - Renaissance
- BCOM102 - Adv Business & Technical Communications
- BUS127 - Human Relations
- COM201 - Public Speaking
- CSS100A - College Success Seminar
- ENG102 - English Composition
- HUM195 - Introduction to Humanities
- HE106 - Concepts of Health and Well-being
- PHIL101 - Basic Concepts of Philosophy
- PHIL205 - Business Ethics
- PHIL202 - Introduction to Ethics
- SOC101 - Principles of Sociology
- SOC202A - Modern Social Problems

—————— AND ——————

Electives- 0-5 credits

(As needed to reach 60 credits)

Engineering Technology-Related Requirements- 10 credits

Fulfill ALL of the following requirements:

Choose 1:

Complete exactly 1 course(s) and earn exactly 5 credits from the following:

- PHYS201CL&L - College Physics I Lecture and Lab
- PHYS203L&L - Engineering Physics Lecture & Lab

—————— AND ——————

Choose 1:

Complete exactly 1 course(s) and earn exactly 5 credits from the following:

- PHYS202CL&L - Principles of Physics Lecture & Lab
- PHYS204L&L - Engineering Physics Lecture & Lab

Required Electives- 12-15 credits

Complete ANY of the following Courses:

- AMT129A - Introduction to Technology
- ANTH103 - Cultural Diversity in Contemp. Society
- ANTH105D - Intro to Phys Anthropology/Archaeology
- CAD110 - Introduction to Computer-Aided Drafting
- CAD210 - Parametric Design I-Part Modeling
- CAD250 - Introduction to SolidWorks 3D
- CHEM100LEC - Chemistry Fundamentals - Lecture
- CHEM100A - Chemistry Fundamentals Lab
- CHEM102A - General and Inorganic Chemistry-Lab
- CHEM102LEC - General and Inorganic Chemistry-Lecture
- CIS120A - Intro to Computer Information Systems

- CIS185 - 'C' Programming
- ECON101A - Principles of Macroeconomics
- ECON102A - Principles of Microeconomics
- ENGR105 - Introduction to Engineering
- ENGR202 - Statics
- ENGR204 - Engineering Dynamics
- MT101B - Basic Machining
- MT205A - NC/CNC Numerical Control/Computer
- MT206A - 2-D CAD/CAM Computer-Aided

Choose One (1) Option- 19-21 credits

Fulfill ANY of the following requirements:

Option 1: Engineering Track- 21 credits

Complete ALL of the following Courses:

- CHEM101LEC - General and Inorganic Chemistry Lecture
- CHEM101A - General and Inorganic Chemistry Lab
- MATH161 - Calculus I
- MATH162A - Calculus II
- MATH283 - Calculus III
- MATH295 - Differential Equations w/Linear Algebra

—————— OR ——————

Option 2: Ferris State University- Engineering Technology Track- 20 credits

Complete ALL of the following Courses:

- CAD250 - Introduction to SolidWorks 3D
- ELTC101AL&L - Electricity-Basic
- HP101 - Hydraulics/Pneumatics
- MATH161 - Calculus I
- MET101 - Industrial Materials
- MET201 - Metallurgy

—————— OR ——————

Option 3: Western Michigan University- Engineering Technology Track- 19 credits

Complete ALL of the following Courses:

- CAD210 - Parametric Design I-Part Modeling
- CHEM101A - General and Inorganic Chemistry Lab
- CHEM101LEC - General and Inorganic Chemistry Lecture
- ELTC101AL&L - Electricity-Basic
- MATH161 - Calculus I
- MET201 - Metallurgy

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Option 1-Engineering Track:

Year 1

Fall Semester

Choose One from options in Program Requirement
Required Elective- 3-5 credits
ENG101
MATH141

Winter Semester

MATH161
CHEM101A
CHEM101LEC
PHYS201CL&L or PHYS203L&L

Year 2

Fall Semester

MATH162A
Choose Two from options in Program Requirement
Required Electives- 6-10 credits

Winter Semester

MATH295
MATH283
PHYS202CL&L or PHYS204L&L
Required Elective- 3-5 credits

Option 2-Ferris State University Engineering Technology Track:

Year 1

Fall Semester

Required Elective- 3-5 credits- MT101B
Required Elective- 3-5 credits- CAD110
ENG101
MATH141

Winter Semester

MATH161
CAD250
MET101
Choose One from options in Program Requirement
Required Elective- 3-5 credits- AMT129A

Year 2

Fall Semester

Required Elective- 3-5 credits- MT205A
MET201
PHYS201CL&L or PHYS203L&L
HP101

Winter Semester

Choose Two from options in Program Requirement
PHYS202CL&L or PHYS204L&L
ELTC101AL&L

Option 3-Western Michigan University Engineering Technology Track

Year 1

Fall Semester

Required Elective- 3-5 credits- CAD110
ENG101
MATH141
Required Elective- 3-5 credits- MT101B

Winter Semester

Choose One from options in Program Requirement- ENG102
CAD210
CHEM101A
CHEM101LEC
MATH161

Year 2

Fall Semester

ELTC101AL&L
Required Elective- 3-5 credits- MT205A
PHYS201CL&L
PHIL101, or PHIL202, or SOC101, or SOC202A

Winter Semester

Required Elective- 3-5 credits- AMT129A
Choose One from options in Program Requirement- HE106
PHYS202CL&L
MET201
Any Elective - 1 credit

ENTRE_CERT - Entrepreneurship

Overview

Department Title
Business

Program Description
This certificate is designed for community members or students who have a specific idea for starting a businesws and want to follow on of two paths: 1)Create a business plan while at the same time refine their business idea with the desire to start their business within the next five years. 2)Create/refine their business plan and start their business as soon as possible after completing the certificate.

Degree
ENTRE - Entrepreneurship

Requirements

Simple Requisites

> **Subplan**
>
> > **Certificate Requirements- 17 credits**
> > **Type**
> > Completion Requirement
> >
> > > Requirement
> > > **Fulfill ALL of the following requirements:**
> > >
> > > > Complete ALL
> > > > **Complete ALL of the following Courses:**

- BUS131 - Intro to Entrepreneurship
- BUS166 - Quality Customer Service
- BUS204 - eMarketing
- BUS223 - Starting Your Business Plan
- BUS240 - Entrepreneurship Capstone

—— AND ——

Choose 1:

Complete ANY of the following Courses:
- BUS161A - Effective Selling
- BUS220 - E-Business

Additional Comments:

No Requirement Level

Degree Maps
Degree Maps

Year 1
Fall Semester
BUS131
BUS166
BUS223

Winter Semester
BUS204
BUS240
BUS161A or BUS220

EVART.AAS - Visual Art Entrepreneurial - A.A.S

Overview
Department Title
Art

Program Description
This degree program provides Visual Art students with the basic skills for a variety of entrepreneurial avenues such as self-employed artist, art promoter, gallery representative, or commercial art gallery owner/director. Along with acquiring practical business concepts, the student also develops basic handson skills through a variety of two and three-dimensional studio experiences traditionally associated with foundation-level undergraduate art degrees. Study in art from historical and contemporary viewpoints to help gain insights into the cultural significance of art and the interrelationship of art and society is also stressed. The student then concludes the degree with an overview of professional practices in art and further hands-on experience in gallery/museum operations. Students completing this program are made aware of many of the challenges they will face when starting and operating a business.

Degree
AAS - Associate in Applied Science

Requirements
Simple Requisites

Subplan

Program Requirements- 62 credits
Type
Completion Requirement

General Education Requirements- 20 credits
Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- BCOM102 - Adv Business & Technical Communications
- COM101 - Oral Communications
- CIS120A - Intro to Computer Information Systems
- PHIL205 - Business Ethics

—— AND ——

Fulfill ANY of the following requirements:

Choose 1:

Complete exactly 1 course(s) and earn exactly 3 credits from the following:
- MATH109A - College Algebra
- BUS126 - Business Mathematics

—— OR ——

Math

One Higher Level Math course

—— AND ——

PEA

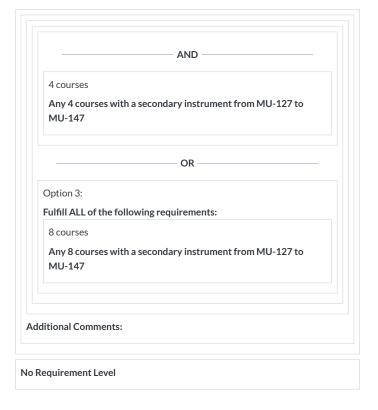**Complete exactly 1 course(s) and earn exactly 1 credits from the following:**
- PEA101A - Fitness, Wellness and Nutrition
- PEA103 - Weight Training
- PEA104A - Walking, Jogging and Conditioning
- PEA118 - Cycling
- PEA201 - Aerobic Movement for Fitness

—— AND ——

PEA

Fulfill ANY of the following requirements:

HE-110

Enroll in the following Courses:
- HE110 - Industrial Safety and Workplace Training

—— OR ——

PEA

Any PEA/DNC course of choice

Entrepreneur Core Requirements- 12 credits

Complete ALL of the following Courses:

- BUS131 - Intro to Entrepreneurship
- BUS161A - Effective Selling
- BUS167 - Professionalism in Your Career
- BUS223 - Starting Your Business Plan
- BUS240 - Entrepreneurship Capstone

Degree Requirements- 30 credits

Fulfill ALL of the following requirements:

Art courses

Complete ALL of the following Courses:

- ART104 - Drawing I
- ART105B - Two-Dimensional Form and Surface
- ART198 - Art History I: Ancient Art - Renaissance
- ART199 - Art History II - Renaissance Art/Modern
- ART202 - Contemporary Art History
- ART204B - Drawing II (Transfer Portfolio Prep)
- ART240 - Professional Practices in Art
- ART250 - Gallery/Collection Practicum

——— AND ———

Choose 1:

Complete exactly 1 course(s) and earn exactly 3 credits from the following:

- ART108 - Ceramics I
- ART109 - Sculpture I
- ART117 - Three-Dimensional Form and Space

——— AND ———

3 credits

Enroll in the following Courses:

- ART290CI - Cooperative Internship

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

ART104
ART105B
BUS131
BUS161A, or BUS204, or BUS220
CIS120A
ENG101

Winter Semester

ART108
ART204B
BUS127
BUS126

BUS167
HE110
PEA101A, or PEA103, or PEA104A, or PEA118, or PEA201

Year 2

Fall Semester

ART198
ART240
BCOM102
BUS223
PHIL205

Winter Semester

ART199
ART202
ART250
ART290CI
BUS240

EWGD.AAS - Web Game Development Entrepreneur-AAS

Overview

Department Title
Business

Program Description
This degree program provides students with the foundation skills to own and operate a web-based game development business. Students acquire the skills to create web-based entertainment offerings, to effectively utilize programming and game scripting skills, to design and normalize databases, to implement server-side scripts, to employ graphic design in the creation of the user interface, and to apply principles of game development. Students learn how to utilize market analysis techniques to understand the various trends in the marketplace in order to create a successful offering. In addition, they learn how to run the day-to-day operation of the business by employing database management procedures,using accounting procedures, professional business communication, analyzing profit and loss statements,applying business ethics, and creating and executing a business plan.

Degree
AAS - Associate in Applied Science

Requirements

Simple Requisites

Subplan

Program Requirements- 62 credits
Type
Completion Requirement

General Requirements- 18 credits

Fulfill ALL of the following requirements:

Complete ALL of the following Courses:

- ENG101 - English Composition
- BCOM102 - Adv Business & Technical Communications
- CIS120A - Intro to Computer Information Systems
- PHIL205 - Business Ethics

——— AND ———

Complete exactly 1 course(s) and earn exactly 3 credits from the following:
- BUS127 - Human Relations
- COM101 - Oral Communications

— AND —

Fulfill ANY of the following requirements:

Enroll in the following Courses:
- MATH115A - Probability and Statistics

— OR —

Higher Level Math

Entrepreneur Core Requirements- 12 credits

Fulfill ALL of the following requirements:

Complete ALL of the following Courses:
- BUS131 - Intro to Entrepreneurship
- BUS167 - Professionalism in Your Career
- BUS223 - Starting Your Business Plan
- BUS240 - Entrepreneurship Capstone

— AND —

Complete exactly 1 course(s) and earn exactly 3 credits from the following:
- BUS161A - Effective Selling
- BUS220 - E-Business
- BUS204 - eMarketing

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

BUS131
BUS161A, or BUS204, or BUS220
BUS127 or COM101
CIS120A
ENG101
GRD120

Winter Semester

MATH115A
CIS153A
CIS257A
CIS185
BUS108
CIS124

Year 2

Fall Semester

BCOM102
BUS223
CIS244
PHIL205
ART198, or BUS290CI, or TH102

Winter Semester

BUS240
CIS253A
CIS267PHP
CIS284
BUS167
Elective (meet with a counselor)

EWSD.AAS - Website Development Entrepreneur - AAS

Overview

Department Title
Business

Program Description
This program provides students with foundational skills required to own and operate a Website development business. This includes understanding the features and opportunities of doing business on the Internet and by examining how e-business strategies differ from those of traditional businesses. Students will employ professional design principles in the development of effective and user-friendly websites using XHTML and cascading style sheets. Students acquire the skills required to write error-free computer programs and server-side scripts, to design and normalize databases, as well as create and integrate multi-media applications using sound, video and animation. The degree is wrapped around learning fundamental dayto-day business skills including implementing a business plan, client management, professional business communication, accounting and finance functions. Students completing this program understand the challenges involved with establishing a new business, keeping it financially sound and solving issues faced by new businesses.

Degree
AAS - Associate in Applied Science

Requirements

Simple Requisites

Subplan

Program Requirements- 62 credits
Type
Completion Requirement

General Education Requirements-20 credits

Fulfill ALL of the following requirements:

Complete ALL of the following Courses:
- ENG101 - English Composition
- BCOM102 - Adv Business & Technical Communications
- CIS120A - Intro to Computer Information Systems
- PHIL205 - Business Ethics

— AND —

Complete exactly 1 course(s) and earn exactly 3 credits from the following:

- BUS126 - Business Mathematics
- MATH115A - Probability and Statistics

——— AND ———

Complete exactly 1 course(s) and earn exactly 3 credits from the following:

- BUS127 - Human Relations
- COM101 - Oral Communications

——— AND ———

Complete exactly 1 course(s) and earn exactly 1 credits from the following:

- PEA101A - Fitness, Wellness and Nutrition
- PEA103 - Weight Training
- PEA104A - Walking, Jogging and Conditioning
- PEA118 - Cycling
- PEA201 - Aerobic Movement for Fitness

——— AND ———

Fulfill ANY of the following requirements:

Enroll in the following Courses:

- HE110 - Industrial Safety and Workplace Training

——— OR ———

Take Any PEA/DNC course of choice

Entrepreneur Core Requirements- 12 credits

Complete ALL of the following Courses:

- BUS131 - Intro to Entrepreneurship
- BUS167 - Professionalism in Your Career
- BUS220 - E-Business
- BUS223 - Starting Your Business Plan
- BUS240 - Entrepreneurship Capstone

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

BUS131
BUS220
BUS127 or COM101

CIS120A
ENG101
GRD120

Winter Semester

BUS126 or MATH115A
CIS153A
CIS257A
CIS185
BUS204
PHIL205

Year 2

Fall Semester

BCOM102
PEA101A, or PEA103, or PEA104A, or PEA118, or PEA201
CIS280
CIS258
CIS228
BUS167

Winter Semester

BUS223
BUS240
CIS199
CIS253A
CIS267PHP
Elective (See Program Requirements for options)
HE110 or ANY PEA/DNC course

EXPW.ASA - Exercise Science Pathway Associate in Science and Arts

Overview

Department Title
Health Education

Program Description
The Exercise Science Pathway degree will prepare students who plan to transfer to a participating four-year college or university and work towards a bachelor's degree in Exercise Science, Health and Fitness, or Kinesiology.

Possible career outcomes include: Anatomist, Athletic Director, Athletic Therapist, Cardiac Rehabilitation Specialist, Coach, Exercise Physiologist, Health Educator, Kinesiologist, Personal Trainer, Physiologist, Physical Therapist, Recreation and Sports Director, Sports Nutritionist, Strength and Conditioning Coach, Wellness Educator.

Degree
ASA - Associate in Science and Arts

Requirements

Simple Requisites

Subplan

Program Requirements- 62 credits
Type
Completion Requirement

Communication- 6 credits

Enroll in the following Courses:

- ENG101 - English Composition

- ENG102 - English Composition

Science

Enroll in the following Courses:
- BIOL152L&L - Human Anatomy
- CHEM100A - Chemistry Fundamentals Lab
- CHEM100LEC - Chemistry Fundamentals - Lecture

Math- 3 credits

Complete ANY of the following Courses:
- MATH141 - Precalculus
- MATH161 - Calculus I
- MATH162A - Calculus II
- MATH295 - Differential Equations w/Linear Algebra

Ethics and Logic- 3 credits

Complete ANY of the following Courses:
- PHIL101 - Basic Concepts of Philosophy
- PHIL102 - Principles of Logic
- PHIL104 - Symbolic Logic
- PHIL202 - Introduction to Ethics
- PHIL203 - Philosophy of Religion
- PHIL204 - Biomedical Ethics
- PHIL205 - Business Ethics
- PHIL207 - Environmental Ethics

Social Relationships- 3 credits

Enroll in the following Courses:
- PSYC201 - General Psychology

Western Culture- 3 credits

Complete ANY of the following Courses:
- ART198 - Art History I: Ancient Art - Renaissance
- ART199 - Art History II - Renaissance Art/Modern
- ART202 - Contemporary Art History
- ENG200A - Heroes of Early Western Literature
- ENG201A - Heroes of Later Western Literature
- ENG205 - Introduction to Poetry
- ENG210 - The Nature of Language
- ENG213 - Literature of Shakespeare
- ENG225 - Major American Writers-American
- ENG226 - Major American Writers-American
- ENG227 - British Literature I (673-1744)
- ENG228 - British Literature II (1750-Today)
- ENG231 - Themes in Women's Literature
- HIST101 - Western Civilization to 1500
- HIST102 - Western Civilization -1500 to Present
- HUM195 - Introduction to Humanities
- TH201 - Introduction to Theater History

American Culture- 3 credits

Complete ANY of the following Courses:
- HIST201 - United States to 1877
- HIST202 - U.S. From Reconstruction-Present
- HIST207 - African American History
- HIST211 - Michigan History
- HIST212B - Gettysburg Battlefields
- HIST214 - Siege of Vicksburg-US Civil War
- HIST220 - Labor Studies

- PSCI111 - Introduction to American Government
- PSCI205 - Contemporary Political Issues in US
- PSCI220 - Labor Studies

International Culture- 3 credits

Complete ANY of the following Courses:
- ANTH103 - Cultural Diversity in Contemp. Society
- ANTH110 - Introduction to Cultural Anthropology
- ENG207 - Literature of Race & Ethnicity
- ENG211 - Literature of World Mythology
- ENG218A - Horror, Fantasy, and Science Fiction
- FR101 - Basic French
- FR102 - Basic French
- FR201 - Intermediate French
- FR202 - Intermediate French
- GEOG104 - Cultural Geography
- GEOG105 - World Regional Geography
- GER101 - Basic German
- GER102 - Basic German
- HIST150 - World History to 1500 CE
- HIST151 - World History From 1500 CE
- HIST216 - Introduction to World War II
- PHIL105 - World Religions
- PSCI202 - International Relations
- PSCI210A - Int'l Organizations United Nations
- PSCI210B - International Organizations/Arab League
- PSCI211 - Comparative World Governments
- SPAN101 - Basic Spanish
- SPAN102 - Basic Spanish - Second Semester
- SPAN201 - Intermediate Spanish
- SPAN202 - Intermediate Spanish

Aesthetic Values- 3 credits

Fulfill ANY of the following requirements:

Aesthetic Values

Complete ANY of the following Courses:
- ART100A - Art Appreciation
- ART104 - Drawing I
- ART105B - Two-Dimensional Form and Surface
- ART106B - Beginning Printmaking: Relief & Monotype
- ART107 - Painting I
- ART108 - Ceramics I
- ART109 - Sculpture I
- ART117 - Three-Dimensional Form and Space
- ART118 - Beginning Printmaking Intaglio
- ART204B - Drawing II (Transfer Portfolio Prep)
- ART207 - Painting II
- ART208 - Ceramics II
- ART209 - Sculpture II
- ART214 - Photography 35MM Black/White
- ART215 - Intermediate Photography
- ART220 - Figure Drawing
- DNC100 - Modern Dance I
- DNC101 - Modern Jazz Dance I
- DNC102 - Ballet I
- DNC106 - Social Dance I
- DNC200 - Modern Dance II
- DNC201 - Modern Jazz Dance II
- DNC206 - Social Dance II
- DNC210A - Repertory Dance Tour Company
- DNC210B - Repertory Dance Tour Company

- DNC210C - Repertory Dance Tour Group
- DNC210D - Repertory Dance Tour Company
- ENG216 - Introduction to Film
- ENG223 - Poetry Writing Seminar
- MU100 - Introduction to Music Theory
- MU101 - Music Theory
- MU102 - Music Theory
- MU103A - Music Appreciation
- MU192 - Music for the Classroom Teacher
- MU193A - Hip-Hop, Rock, and All the World's Music
- MU194 - Sight Reading and Ear Training
- MU195 - Sight Reading and Ear Training
- MU201 - Advanced Theory
- MU202 - Advanced Theory
- TH101 - Theater Appreciation
- TH102 - Introduction to Acting I
- TH108 - Theater for Children
- TH121 - Introduction to Technical Theater
- TH122 - Theater Set and Lighting Design
- TH141 - Applied Theater-Acting
- TH142 - Applied Theater-Dance
- TH144 - Applied Theater-Costuming
- TH145 - Applied Theater-Scenery Construction
- TH147 - Applied Theater-Production Crew
- TH148 - Applied Theater-Performance
- TH160 - Acting for TV and Film
- TH202 - Introduction to Acting II
- TH203 - Reader's Theater
- TH204 - Improvisation for Actors
- TH217 - Creative Dramatics
- TH260 - Student Production Practicum

--- **OR** ---

Music Course

Music classes numbered 100 and above except MU-240

Physical Education

Enroll in the following Courses:
- PEA121 - Human Movement Science

Program Specific Courses- 9 credits

Complete ALL of the following Courses:
- BIOL252L&LH - Human Physiology-Honors
- CHEM101A - General and Inorganic Chemistry Lab
- CHEM101LEC - General and Inorganic Chemistry Lecture

Computer Competency

Fulfill ANY of the following requirements:

CIS Course

Pass any 3-credit-hour or greater CIS class with a grade of "C" or better

--- **OR** ---

Competency Test

Pass MCC's CIS110/120A Computer Competency Test

Electives-18 credits

Work with an MCC Pathway Counselor & refer to a transfer guide from 4 year institution to select courses to transfer.

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

ENG101
BIOL152L&L
Math
Western Culture
Elective (meet with a counselor)

Winter Semester

ENG102
CIS110
BIOL252L&L or CIS120A
International Culture
Elective (meet with a counselor)

Year 2

Fall Semester

CHEM101LEC
CHEM101A
PSYC201
American Culture
Electives (meet with a counselor)

Winter Semester

PEA121
Aesthetic Values
Ethics & Logic
Electives (6 credits-meet with a counselor)

FOODS_CERT - Food Science Certificate

Overview

Department Title
Biology

Program Description
The Food Science Certificate will prepare students to work mid-level and managerial positions in a food processing operation.

Degree
FOODS - Food Science

Requirements

Simple Requisites

Subplan

Certificate Requirements- 27 credits

Type
Completion Requirement

Certificate Requirements

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- ENG101 - English Composition
- TMAT101A - Technical Math I
- TMAT102A - Technical Math II
- HP101 - Hydraulics/Pneumatics
- FS101L&L - Introduction to Food Science & Process
- TECH290CI - Cooperative Internship
- QC101 - Basic Quality Control

— AND —

Take 6 credits

Earn at least 6 credits from the following:
- BIOL109L&L - Food Technology
- BIOL121LEC - Plant Biology Lecture
- BIOL121LAB - Plant Biology Laboratory
- ENV110L&L - Environmental Science
- W101A - Basic Welding
- ELTC101AL&L - Electricity-Basic
- ELTC150 - Industrial Electricity
- BUS122 - Principles of Management
- BUS125 - Supervision
- PHIL207 - Environmental Ethics

Additional Comments:

No Requirement Level

FOPRT.AAS - Food Processing Technology AAS

Overview

Department Title
Biology

Program Description
The food industry is the world's largest industry. This multi-billion dollar industry employs many thousands of food processing specialists and scientists. There are more positions available for

food scientists than graduates to fill them. The MCC curriculum, paired with courses in the Michigan State University Food Processing Certificate Program, prepares students for mid-level and managerial employment in food processing operations. Students will earn an MSU certificate while also working towards an associate degree. MSU Transfer Students: Students wishing to transfer to MSU as juniors must meet with the program coordinator during their first semester to alter general education courses to meet MSU reauirements.

Degree
AAS - Associate in Applied Science

Requirements

Simple Requisites

Subplan

Program Requirements- 61
Type
Completion Requirement

General Education Requirements- 27 Credits

Fulfill ALL of the following requirements:

English Requirement

Complete ALL of the following Courses:
- ENG101 - English Composition
- ENG102 - English Composition

— AND —

Complete ALL

Complete ALL of the following Courses:
- BUS127 - Human Relations
- HE110 - Industrial Safety and Workplace Training
- CIS120A - Intro to Computer Information Systems
- FS101L&L - Introduction to Food Science & Process
- BIOL130L&L - General Biology I
- BIOL109L&L - Food Technology

— AND —

Complete 1 course:

Complete ANY of the following Courses:
- TMAT101A - Technical Math I
- TMAT102A - Technical Math II
- TMAT201 - Technical Math III
- BUS126 - Business Mathematics
- MATH109A - College Algebra
- MATH115A - Probability and Statistics

MSU Occupational Specialty Requirements Credits: 34 credits

Food Processing, Technology and Safety

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

GRDE.AAS - Graphic Design-Associate in Applied Science

Overview

Department Title
Graphic Design

Program Description
The Graphic Design curriculum is designed to prepare students for entry into the field of graphic design with a broad background and experience in the creation of a wide variety of media for advertising, displays, sign and computer graphics to fit clients' needs. Though not fine artists, students need to be skilled in drawing and painting. Media creation and distribution is ever changing and so must be the knowledge and skills of the graphic designer. This program is not designed to transfer to a four-year institution. Any student wishing to transfer to a four-year

college is urged to consult with a counselor. The certificate programs are intended to provide the student with foundation skills to gain immediate employment in the specialty, or continue in the AAS program.

Degree
AAS - Associate in Applied Science

Requirements

Simple Requisites

Subplan

Program Requirements- 62-63 credits
Type
Completion Requirement

General Education Requirements- 18 credits

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- ENG101 - English Composition
- BCOM102 - Adv Business & Technical Communications
- BUS126 - Business Mathematics
- CIS120A - Intro to Computer Information Systems
- PHIL205 - Business Ethics

—— AND ——

Complete exactly 1 course(s) and earn exactly 3 credits from the following:
- BUS127 - Human Relations
- COM101 - Oral Communications

Entrepreneur Core Requirements- 12 credits

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- BUS131 - Intro to Entrepreneurship
- BUS167 - Professionalism in Your Career
- BUS223 - Starting Your Business Plan
- BUS240 - Entrepreneurship Capstone

—— AND ——

Complete 1 course

Complete exactly 1 course(s) and earn exactly 3 credits from the following:
- BUS161A - Effective Selling
- BUS220 - E-Business
- BUS204 - eMarketing

Degree Requirements- 32 credits

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- BUS263 - Advertising Dynamics

- GRD205 - UX Design and Implementation Foundation
- GRD101 - Introduction to InDesign
- GRD102 - Introduction to Illustrator
- GRD103 - Introduction to Photoshop
- GRD110 - Principles of Design
- GRD120 - Introduction to Graphic Design
- GRD140 - Introduction to Typography
- GRD210 - Graphic Design II
- GRD280 - Portfolio Preparation

—— AND ——

Complete 1 course

Complete exactly 1 course(s) and earn 2 - 3 credits from the following:
- GRD290CI2 - Graphic Design Internship
- GRD292 - Graphic Design Studio M

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

ENG101
CIS120A
GRD110
GRD101
GRD160

Winter Semester

BCOM102
SOC101
GRD102
GRD120
GRD140

Year 2

Fall Semester

BUS127
ART104
TMAT101A
GRD210
GRD103

Winter Semester

GRD205
BUS260
ART199
GRD280
GRD292CI or GRD290CI2
Recommended Elective (2-3 credits-see Program Requirements for options)

GRDV_CERT - Graphic Design Video/Audio Certificate

Overview

Department Title
Graphic Design

Program Description
Graphic Design Video/Audio Certificate

Degree
GRDV - Graphic Design Video/Audio

Requirements

Simple Requisites

> **Subplan**
>
> > **Certificate Requirements- 27 credits**
> > **Type**
> > Completion Requirement
> >
> > > **Fulfill ALL of the following requirements:**
> > >
> > > > Complete ALL
> > > >
> > > > **Complete ALL of the following Courses:**
> > > > - BUS123 - Business Law I
> > > > - CIS287A - Digital Video Editing and Production
> > > > - COM102 - Mass Media
> > > > - COM112 - Audio Production
> > > > - COM212 - Television Production
> > > > - GRD120 - Introduction to Graphic Design
> > > > - GRD140 - Introduction to Typography
> > >
> > > ---------------- AND ----------------
> > >
> > > > Complete 1
> > > >
> > > > **Complete ANY of the following Courses:**
> > > > - CIS110 - Computer Concepts
> > > > - CIS120A - Intro to Computer Information Systems
> > >
> > > **Additional Comments:**
>
> > No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

CIS110 or CIS120A
GRD110
COM102
COM112
BUS123

GRDW_CERT - Graphic Design Web Design Certificate

Overview

Department Title
Graphic Design

Program Description
Graphic Design Web Design Certificate

Degree
GRDW - Graphic Design Web Design

Requirements

Simple Requisites

> **Subplan**
>
> > **Certificate Requirements- 30 credits**
> > **Type**
> > Completion Requirement
> >
> > > Required Courses
> > >
> > > **Complete ALL of the following Courses:**
> > > - BUS220 - E-Business
> > > - CIS120A - Intro to Computer Information Systems
> > > - CIS153A - Introduction to Data Base Management
> > > - CIS199 - Internet Content Management Systems Cms
> > > - CIS228 - JavaScript
> > > - CIS257A - HTML Internet for Web Page Design
> > > - CIS258 - Advanced HTML Web Development
> > > - CIS267PHP - Server-Side Web Programming Using Php
> > > - GRD102 - Introduction to Illustrator
> > > - GRD110 - Principles of Design
> > > - GRD120 - Introduction to Graphic Design
> > >
> > > Take 1 Elective credit
> >
> > **Additional Comments:**
>
> > No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

BUS220
CIS120A
CIS153A
CIS257A
GRD110
CIS228

Winter Semester

CIS199
CIS267PHP
CIS258
GRD120
GRD102
Elective (Meet with a counselor)

HESCI.ASA - Health Science - ASA

Overview

Department Title
Health Sciences Dept

Program Description
Health Science-ASA

The Michigan Transfer Agreement Associate in Science and Arts (ASA) degrees are effective as of fall 2014. A minimum of 62 credit hours with a minimum cumulative 2.0 GPA is required for the ASA Degree. Courses numbered below 100 do not count toward the ASA. MCC and the Michigan Transfer Agreement require a "C" or better in courses used to meet ASA and MTA requirements.

Degree
ASA - Associate in Science and Arts

Requirements

Simple Requisites

Subplan

Program Requirements- 62 credits
Type
Completion Requirement

Communication- 6 credits

Enroll in the following Courses:
- ENG101 - English Composition
- ENG102 - English Composition

Science Lab Courses- 17 credits

Fulfill ALL of the following requirements:

Biology

Complete ANY of the following Courses:
- BIOL152L&L - Human Anatomy
- BIOL252L&L - Human Physiology
- BIOL207LEC - Microbiology Lecture
- BIOL207A - Microbiology Lab

—— **AND** ——

Chemistry

Fulfill ANY of the following requirements:

Chemistry 100LEC/A

Complete ALL of the following Courses:
- CHEM100A - Chemistry Fundamentals Lab
- CHEM100LEC - Chemistry Fundamentals - Lecture

—— **OR** ——

Chemistry 109LEC/A

Complete ALL of the following Courses:
- CHEM109A - Chemistry for Health Science Lab
- CHEM109LEC - Chemistry for Health Science

Math- 3 credits

Complete ANY of the following Courses:
- MATH107A - Mathematics for Liberal Arts
- MATH109A - College Algebra
- MATH115A - Probability and Statistics
- MATH141 - Precalculus
- MATH161 - Calculus I
- MATH162A - Calculus II
- MATH215A - Statistics for Science & Engineering
- MATH276 - Linear Algebra With Applications
- MATH283 - Calculus III
- MATH295 - Differential Equations w/Linear Algebra

Ethics and Logic

Enroll in the following Courses:
- PHIL204 - Biomedical Ethics

Social Relationships- 3 credits

Enroll in the following Courses:
- PSYC201 - General Psychology

Western Culture- 3 credits

Complete ANY of the following Courses:
- ART198 - Art History I: Ancient Art - Renaissance
- ART199 - Art History II - Renaissance Art/Modern
- ART202 - Contemporary Art History
- ENG200A - Heroes of Early Western Literature
- ENG201A - Heroes of Later Western Literature
- ENG205 - Introduction to Poetry
- ENG210 - The Nature of Language
- ENG213 - Literature of Shakespeare
- ENG225 - Major American Writers-American
- ENG226 - Major American Writers-American
- ENG227 - British Literature I (673-1744)
- ENG228 - British Literature II (1750-Today)
- ENG231 - Themes in Women's Literature
- HIST101 - Western Civilization to 1500
- HIST102 - Western Civilization -1500 to Present
- HUM195 - Introduction to Humanities
- TH201 - Introduction to Theater History

American Culture- 3 credits

Complete ANY of the following Courses:
- HIST201 - United States to 1877
- HIST202 - U.S. From Reconstruction-Present
- HIST207 - African American History
- HIST211 - Michigan History
- HIST212B - Gettysburg Battlefields
- HIST214 - Siege of Vicksburg-US Civil War
- HIST220 - Labor Studies
- PSCI111 - Introduction to American Government
- PSCI205 - Contemporary Political Issues in US
- PSCI220 - Labor Studies

International Culture- 3 credit

Complete ANY of the following Courses:
- ANTH103 - Cultural Diversity in Contemp. Society
- ANTH110 - Introduction to Cultural Anthropology
- ENG207 - Literature of Race & Ethnicity
- ENG211 - Literature of World Mythology
- ENG218A - Horror, Fantasy, and Science Fiction

- FR101 - Basic French
- FR102 - Basic French
- FR201 - Intermediate French
- FR202 - Intermediate French
- GEOG104 - Cultural Geography
- GEOG105 - World Regional Geography
- GER101 - Basic German
- GER102 - Basic German
- HIST150 - World History to 1500 CE
- HIST151 - World History From 1500 CE
- HIST216 - Introduction to World War II
- PHIL105 - World Religions
- PSCI202 - International Relations
- PSCI210A - Int'l Organizations United Nations
- PSCI210B - International Organizations/Arab League
- PSCI211 - Comparative World Governments
- SPAN101 - Basic Spanish
- SPAN102 - Basic Spanish - Second Semester
- SPAN201 - Intermediate Spanish
- SPAN202 - Intermediate Spanish

Aesthetic Values- 3 credits

Fulfill ANY of the following requirements:

Aesthetic Values

Complete ANY of the following Courses:
- ART100A - Art Appreciation
- ART104 - Drawing I
- ART105B - Two-Dimensional Form and Surface
- ART106B - Beginning Printmaking: Relief & Monotype
- ART107 - Painting I
- ART108 - Ceramics I
- ART109 - Sculpture I
- ART117 - Three-Dimensional Form and Space
- ART204B - Drawing II (Transfer Portfolio Prep)
- ART207 - Painting II
- ART208 - Ceramics II
- ART209 - Sculpture II
- ART214 - Photography 35MM Black/White
- ART215 - Intermediate Photography
- ART220 - Figure Drawing
- DNC100 - Modern Dance I
- DNC101 - Modern Jazz Dance I
- DNC102 - Ballet I
- DNC106 - Social Dance I
- DNC200 - Modern Dance II
- DNC201 - Modern Jazz Dance II
- DNC206 - Social Dance II
- DNC210A - Repertory Dance Tour Company
- DNC210B - Repertory Dance Tour Company
- DNC210C - Repertory Dance Tour Group
- DNC210D - Repertory Dance Tour Company
- ENG216 - Introduction to Film
- ENG223 - Poetry Writing Seminar
- MU100 - Introduction to Music Theory
- MU101 - Music Theory
- MU102 - Music Theory
- MU103A - Music Appreciation
- MU192 - Music for the Classroom Teacher
- MU193A - Hip-Hop, Rock, and All the World's Music
- MU194 - Sight Reading and Ear Training
- MU195 - Sight Reading and Ear Training
- MU201 - Advanced Theory

- MU202 - Advanced Theory
- TH101 - Theater Appreciation
- TH102 - Introduction to Acting I
- TH108 - Theater for Children
- TH121 - Introduction to Technical Theater
- TH122 - Theater Set and Lighting Design
- TH141 - Applied Theater-Acting
- TH142 - Applied Theater-Dance
- TH144 - Applied Theater-Costuming
- TH145 - Applied Theater-Scenery Construction
- TH147 - Applied Theater-Production Crew
- TH148 - Applied Theater-Performance
- TH160 - Acting for TV and Film
- TH202 - Introduction to Acting II
- TH203 - Reader's Theater
- TH204 - Improvisation for Actors
- TH212 - Summer Theater Workshop
- TH217 - Creative Dramatics
- TH260 - Student Production Practicum

—————— OR ——————

Music

Any 100-level or higher Music course except MU-240 and MU-193

Physical Education- 2 credits

Fulfill ANY of the following requirements:

2 credits

Fulfill ALL of the following requirements:

1 credit

Enroll in the following Courses:
- PEA101A - Fitness, Wellness and Nutrition

—————— AND ——————

PEA 1 credit

Any PEA/DNC course

—————— OR ——————

3 credits

Enroll in the following Courses:
- PEA121 - Human Movement Science

Computer Competency

Fulfill ANY of the following requirements:

CIS course

Complete any 3-credit hour or greater CIS class with "C" or better

—————— OR ——————

Competency Test

Pass MCC's CIS110/120A Computer Competency Test

Electives- 15 credits

Choose additional courses from General Education courses listed above, or other courses related to your health science major.

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

ENG101
BIOL152L&L
Math (See Program Requirements for options)
PEA101A
CIS110 or CIS120A

Winter Semester

ENG102
BIOL252L&L
PSYC201
Western Culture
Elective (see Program Requirements for options)

Year 2

Fall Semester

PHIL204
BIOL207A
BIOL207LEC
American Culture
Electives (6 credits- See Program Requirements for options)

Winter Semester

Chemistry
Physical Education
Aesthetic Values
International Culture
Elective

INELE_CERT - Industrial Electricity Certificate

Overview

Department Title
Electricity/Electronics

Program Description
This curriculum is designed to prepare a student for employment as an industrial electrician or an industrial electrical worker. In order to become a licensed electrician students must complete an apprenticeship through an employer. Upon completing this program students will be prepared to work as an electrician, machine maintenance electrician, electrical control panel builder, or electrical machine builder. Students planning to continue with an associate's degree should consult with an MCC counselor

Degree
INELE - Industrial Electricity

Requirements

Simple Requisites

Subplan

No Requirement Level	

Certificate Requirements- 28-30 credits
Type
Completion Requirement

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- ELTC101AL&L - Electricity-Basic
- ELTC103 - Residential Wiring
- ELTC104A - Basic Industrial Robotics
- ELTC150 - Industrial Electricity
- ELTC152 - National Electrical Code
- ELTC160L&L - Programmable Controllers
- ELTC220 - Electrical Troubleshooting
- HP101 - Hydraulics/Pneumatics

— AND —

Complete 1

Complete exactly 1 course(s) and earn 3 - 5 credits from the following:
- TMAT101A - Technical Math I
- TMAT102A - Technical Math II
- TMAT201 - Technical Math III
- MATH109A - College Algebra
- MATH141 - Precalculus

Additional Comments:

Degree Maps

Degree Maps

Year 1

Fall Semester

ELTC101AL&L
ELTC104A

Winter Semester

ELTC103
ELTC160L&L
ELTC150

Summer Semester

HP101
ELTC152

Year 2

Fall Semester

ELTC220
Math

MACH.AAS - Machining Technology-Associate in Applied Science

Overview

Department Title
Machine Tech

Program Description
This curriculum is designed to prepare the student for that highly diversified area engaged in the production of machined objects required for the assembly of the products of modern industry. Successful completion of this program leads to the Associate in Applied Science Degree. (Students may elect only those courses required to develop a particular skill without enrolling in the entire program of study that leads to a degree.) Students who wish to complete a program in two years are advised to use a sequence of courses recommended by their counselor or by the instructor. If a student wishes to attend college on fewer than a full-time basis, the program may be extended beyond two years.

Degree
AAS - Associate in Applied Science

Requirements

Simple Requisites

Subplan

Program Requirements- 60 credits
Type
Completion Requirement

General Education Requirements- 15-18 credits

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- ENG101 - English Composition
- HE110 - Industrial Safety and Workplace Training

--- **AND** ---

Complete 2 courses

Complete exactly 2 course(s) and earn 6 - 8 credits from the following:
- ANTH103 - Cultural Diversity in Contemp. Society
- BCOM102 - Adv Business & Technical Communications
- BUS127 - Human Relations
- COM201 - Public Speaking
- CSS100A - College Success Seminar
- ECON101A - Principles of Macroeconomics
- ENG102 - English Composition
- HUM195 - Introduction to Humanities
- PHIL102 - Principles of Logic
- PHIL202 - Introduction to Ethics
- PSYC201 - General Psychology
- SOC101 - Principles of Sociology

--- **AND** ---

Take TWO (2) TMAT courses or MATH-141

Fulfill ANY of the following requirements:

Option 1

Complete ALL of the following Courses:

- TMAT102A - Technical Math II
- TMAT201 - Technical Math III

--- **OR** ---

Option 2

Enroll in the following Courses:
- MATH141 - Precalculus

Machining Technology Requirements- 25 credits

Complete ALL of the following Courses:
- MT101B - Basic Machining
- MT102A - Intermediate Machining
- MT103A - Advanced Machining
- MT205A - NC/CNC Numerical Control/Computer
- MT206A - 2-D CAD/CAM Computer-Aided
- MT216 - 3-D CAD/CAM Computer-Aided Design/Mach
- MT218 - 5-Axis CNC & CMM
- MT222 - Machining Capstone

Required Electives- 16-19 credits

Complete ANY of the following Courses:
- AMT129A - Introduction to Technology
- BUS125 - Supervision
- CAD110 - Introduction to Computer-Aided Drafting
- CAD150 - Blueprint Reading
- CAD210 - Parametric Design I-Part Modeling
- CAD254 - Solidworks II
- CAD255 - Introduction to Siemens Nx
- CSS100A - College Success Seminar
- ELTC101AL&L - Electricity-Basic
- ENGR105 - Introduction to Engineering
- HP101 - Hydraulics/Pneumatics
- MATH161 - Calculus I
- MATH162A - Calculus II
- MET101 - Industrial Materials
- MET102 - Basic Cast Metals
- MET201 - Metallurgy
- MT150 - Machinery Handbook
- MT240 - Basic Machine Repair
- PHYS201CL&L - College Physics I Lecture and Lab
- QC101 - Basic Quality Control
- TECH201A - Introduction to Mechatronics
- TECH290CI - Cooperative Internship
- TMAT101A - Technical Math I
- W101A - Basic Welding
- W102A - Gas Metal Arc Welding (MIG)
- W103A - Gas Tungsten Arc Welding (TIG)
- W105 - Shielded Metal Arc Welding

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

MT101B
ENG101
Choose One (See Program Requirements for options)
HE110
MT205A

Winter Semester

MT102A
MT206A
TMAT102 or MATH141
Choose One (See Program Requirements for options)
Electives (3-5 credit- see Program Requirements for options)

Year 2

Fall Semester

MT103A
MT216
TMAT201 if MATH141 was not taken
Electives (6-10 credit- see Program Requirements for options)

Winter Semester

MT218
MT222
Electives (6-10 credit- see Program Requirements for options)

MACH_CERT - Machining Technology-Certificate

Overview

Department Title
Machine Tech

Program Description
Machining Technology-Certificate

Degree
MACH - Machining Technology

Requirements

Simple Requisites

> **Subplan**
>
> > **Certificate Requirements- 28-30 credits**
> > **Type**
> > Completion Requirement
> >
> > > Certificate Requirements
> > >
> > > **Fulfill ALL of the following requirements:**
> > >
> > > > Complete ALL
> > > >
> > > > **Complete ALL of the following Courses:**
> > > > - CAD150 - Blueprint Reading
> > > > - MET101 - Industrial Materials
> > > > - MT101B - Basic Machining
> > > > - MT102A - Intermediate Machining

- MT103A - Advanced Machining
- MT150 - Machinery Handbook
- MT205A - NC/CNC Numerical Control/Computer
- MT206A - 2-D CAD/CAM Computer-Aided

— AND —

Complete 1 course

Complete exactly 1 course(s) and earn 3 - 5 credits from the following:
- TMAT102A - Technical Math II
- TMAT201 - Technical Math III
- MATH141 - Precalculus

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

CAD150
MT101B
MT205A

Winter Semester

MT102A
MT150
MT206A

Year 2

Fall Semester

MT103A
Math
MET101

MAMRE_CERT - Manufacturing Machine Repair

Overview

Department Title
Tech Related

Degree
MAMRE - Manufacturing Machine Repair

Requirements

Simple Requisites

> **Subplan**
>
> > **Certificate Requirements- 28-30 credits**
> > **Type**
> > Completion Requirement

Certificate Requirements

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- CAD150 - Blueprint Reading
- ELTC101AL&L - Electricity-Basic
- HE110 - Industrial Safety and Workplace Training
- HP101 - Hydraulics/Pneumatics
- HP201 - Advanced Hydraulics
- MT101B - Basic Machining
- MT240 - Basic Machine Repair
- W101A - Basic Welding

— AND —

Complete 1 course

Complete exactly 1 course(s) and earn 3 - 5 credits from the following:
- TMAT101A - Technical Math I
- TMAT102A - Technical Math II
- TMAT201 - Technical Math III
- MATH109A - College Algebra
- MATH141 - Precalculus

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

HP101
HE110
MT101B
ELTC101AL&L
CAD150

Winter Semester

W101A
HP201
MT240
Math

MANUF_CERT - Manufacturing Automation Certificate

Overview

Department Title
Tech Related

Program Description
Manufacturing Automation Certificate

Degree
MANUF - Manufacturing Automation

Requirements

Simple Requisites

Subplan

Certificate Requirements- 32-34 credits
Type
Completion Requirement

Required Courses

Fulfill ALL of the following requirements:

Required Courses

Complete ALL of the following Courses:
- CAD110 - Introduction to Computer-Aided Drafting
- ELTC101AL&L - Electricity-Basic
- ELTC104A - Basic Industrial Robotics
- ELTC160L&L - Programmable Controllers

— AND —

Required Math

Complete exactly 1 course(s) and earn 3 - 5 credits from the following:
- TMAT101A - Technical Math I
- TMAT102A - Technical Math II
- TMAT201 - Technical Math III
- MATH109A - College Algebra
- MATH141 - Precalculus

Choose Option 1, 2, or 3

Fulfill ANY of the following requirements:

Option 1

Complete ALL of the following Courses:
- ELTC150 - Industrial Electricity
- ELTC203 - Advanced Programmable Controllers
- ELTC204A - Advanced Industrial Robotics
- ELTC210 - Industrial Communications
- ELTR202B - Industrial Electronic Systems

— OR —

Option 2

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- MT101B - Basic Machining
- MT205A - NC/CNC Numerical Control/Computer
- MT206A - 2-D CAD/CAM Computer-Aided
- MT216 - 3-D CAD/CAM Computer-Aided Design/Mach

— AND —

Complete 1 course

Complete exactly 1 course(s) and earn exactly 3 credits from the following:
- CAD210 - Parametric Design I-Part Modeling
- CAD250 - Introduction to SolidWorks 3D

OR

Option 3

Complete ALL of the following Courses:
- W101A - Basic Welding
- W102A - Gas Metal Arc Welding (MIG)
- W103A - Gas Tungsten Arc Welding (TIG)
- HP101 - Hydraulics/Pneumatics
- HP201 - Advanced Hydraulics

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Option 1: PLC Track

Year 1

Fall Semester

ELTC101AL&L
CAD110

Winter Semester

ELTC160L&L
ELTC150

Summer Semester

ELTC203
ELTC104A

Year 2

Fall Semester

ELTC204A
Math (See Requirements for options)

Winter Semester

ELTC210
ELTR202B

Option 2: CNC Track

Year 1

Fall Semester

ELTC101AL&L
CAD110
MT101B
MT205A

Winter Semester

ELTC104A
ELTC160L&L
MT206A
CAD210 or CAD250

Year 2

Fall Semester

Math (See Requirements for options)
MT216

Option 3: Welding Track

Year 1

Fall Semester

ELTC101AL&L
CAD110
Math (See Requirements for options)
W101A
HP101

Winter Semester

ELTC104A
ELTC160L&L
W102A
W103A
HP201

MATEC.AAS - Manufacturing Technology AAS

Overview

Department Title
Tech Related

Program Description
This curriculum is designed to educate and train personnel to fill supervisory and technical positions related to manufacturing technology.

Degree
AAS - Associate in Applied Science

Requirements

Simple Requisites

Subplan

Program Requirements- 60 credits
Type
Completion Requirement

General Education Requirements- 15-18 credits

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- ENG101 - English Composition

AND

Complete 4 courses

Complete exactly 4 course(s) and earn 12 - 15 credits from the following:
- ANTH103 - Cultural Diversity in Contemp. Society
- BUS127 - Human Relations
- BCOM102 - Adv Business & Technical Communications
- COM201 - Public Speaking

- ENG102 - English Composition
- ECON101A - Principles of Macroeconomics
- HUM195 - Introduction to Humanities
- MATH109A - College Algebra
- MATH141 - Precalculus
- PHIL102 - Principles of Logic
- PHIL202 - Introduction to Ethics
- PSYC201 - General Psychology
- SOC101 - Principles of Sociology
- TMAT101A - Technical Math I
- TMAT102A - Technical Math II
- TMAT201 - Technical Math III

Technical-Related Requirements- 14 credits

Complete ALL of the following Courses:

- CAD110 - Introduction to Computer-Aided Drafting
- ELTC101AL&L - Electricity-Basic
- MT101B - Basic Machining
- W101A - Basic Welding

Required Electives- 28-31 credits

Complete ANY of the following Courses:

- AMT129A - Introduction to Technology
- BUS125 - Supervision
- BUS166 - Quality Customer Service
- CAD150 - Blueprint Reading
- CAD210 - Parametric Design I-Part Modeling
- CAD250 - Introduction to SolidWorks 3D
- CAD254 - Solidworks II
- CAD255 - Introduction to Siemens Nx
- CIS101EW - Intro to Electronic Spreadsheets
- CIS119PP - Introduction to Presentation Graphics
- COM101 - Oral Communications
- CSS100A - College Success Seminar
- ELTC104A - Basic Industrial Robotics
- ELTC150 - Industrial Electricity
- ELTC160L&L - Programmable Controllers
- ENGR105 - Introduction to Engineering
- HE110 - Industrial Safety and Workplace Training
- HP101 - Hydraulics/Pneumatics
- HP201 - Advanced Hydraulics
- MATH161 - Calculus I
- MATH162A - Calculus II
- MET101 - Industrial Materials
- MET102 - Basic Cast Metals
- MET201 - Metallurgy
- MT102A - Intermediate Machining
- MT103A - Advanced Machining
- MT150 - Machinery Handbook
- MT205A - NC/CNC Numerical Control/Computer
- MT206A - 2-D CAD/CAM Computer-Aided
- MT216 - 3-D CAD/CAM Computer-Aided Design/Mach
- MT218 - 5-Axis CNC & CMM
- QC101 - Basic Quality Control
- TECH290CI - Cooperative Internship
- W102A - Gas Metal Arc Welding (MIG)
- W103A - Gas Tungsten Arc Welding (TIG)
- W105 - Shielded Metal Arc Welding

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

Choose 1 (See Program Requirements for options)

ENG101
CAD110
ELTC101AL&L
MT101B

Winter Semester

Choose 1 (See Program Requirements for options)

W101A
2 Electives (6-8 credits- see Program Requirements for options)

Year 2

Fall Semester

Choose 1 (See Program Requirements for options)
3 Electives (9-12 credits- see Program Requirements for options)

Winter Semester

Choose 1 (See Program Requirements for options)
4 Electives (10-16 credits- see Program Requirements for options)

MATEC_CERT - Manufacturing Technology Certificate

Overview

Department Title
Tech Related

Program Description
This curriculum is designed to educate and train personnel to fill supervisory and technical positions related in the manufacturing industry. Student will learn and apply manufacturing principles using industry leading technology. The program will emphasize process management, quality control, and skilled trades. Upon completing this program students will be prepared to work as a manufacturing technician, automation technican, production techncian, or an advance manufacturing associate. Students planning to tranfer should consult with an MCC counselor.

Degree
MATEC - Manufacturing Technology

Requirements

Simple Requisites

Subplan
Certificate Requirements- 30-32 credits
Type
Completion Requirement
Certificate Requirements
Fulfill ALL of the following requirements:
Complete ALL

Complete ALL of the following Courses:
- AMT129A - Introduction to Technology
- CAD150 - Blueprint Reading
- HE110 - Industrial Safety and Workplace Training
- HP101 - Hydraulics/Pneumatics
- ELTC101AL&L - Electricity-Basic
- MET101 - Industrial Materials
- MT101B - Basic Machining
- QC101 - Basic Quality Control
- W101A - Basic Welding

--- AND ---

Complete 1 course

Complete exactly 1 course(s) and earn 3 - 5 credits from the following:
- TMAT101A - Technical Math I
- TMAT102A - Technical Math II
- TMAT201 - Technical Math III
- MATH109A - College Algebra
- MATH141 - Precalculus

Additional Comments:

No Requirement Level

Degree Maps
Degree Maps

Year 1

Fall Semester
AMT129A
CAD150
HE110
HP101
ELTC101AL&L

Winter Semester
QC101
MT101B
MET101
W101A
Math

MEDAS_CERT - Medical Assistant Certificate Program

Overview

Department Title
Medical Assistant

Program Description
The Medical Assistant Certificate Program prepares graduates to perform administrative and clinical duties under the direction of the physician. Administrative duties may include scheduling appointments, maintaining medical records, and billing and coding information for insurance purposes. Clinical duties may include taking and recording vital signs and medical histories, preparing patients for examination, drawing blood, and administering medications as directed by physicians.

The goal of the Medical Assistant Program is to prepare medical assistants who are competent in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains to enter

the profession. All Medical Assistant (MA) courses must be passed with a minimum grade of C+ (77%) or better. In addition, students must successfully pass 100% of the psychomotor and affective competences in order to pass the course and/ or progress in the program. A student who passes 100%

of the psychomotor and affective competencies in a Medical Assistant course will receive the letter grade received in the theory component of the course as a course grade. Students should review the MCC Student Handbook, MCC Medical Assistant website, and Medical Assistant Program Handbook for admission requirements, course progression, grade requirements, and additional information. Students must complete a 160-hour unpaid, supervised practicum (MA110) in order to receive credit for the course

The Muskegon Community College Medical Assistant Program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon the recommendation of the Medical Assisting Education Review Board (MAERB).

Note: The Medical Assistant Certificate flows directly into the Associate in Science and Arts degree.

Requirements
Simple Requisites

Subplan

Certificate Requirements- 32-36 credits
Type
Completion Requirement

Complete ALL

Complete ALL of the following Courses:
- AH101 - Medical Terminology
- AH196 - Electronic Health Records
- MA101A - Medical Assistant Administrative I
- MA102LEC - Medical Assistant Clinical Lecture 1 **AND** MA102LAB - Medical Assistant Clinical Lab I
- MA105A - Medical Assistant Administrative II
- MA106LEC - Medical Assistant Clinical Lecture II **AND** MA106LAB - Medical Assistant Clinical Lab II
- MA108 - Medical Assistant Pharmacology
- MA110 - Medical Assistant Seminar/Practicum

MA courses must be completed with a C+ (77%) or higher

Non-MA courses must be completed with a C or higher

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

First Semester

AH101 Medical Terminology
MA101A Medical Assistant Admin I
MA102Lec
MA102Lab

Second Semester

MA105A
MA106Lec
MA106Lab
MA108

Third Semester

AH196
MA110

MEGPW.AS - Mechanical Engineering Pathway Associate in Science

Overview

Department Title
Mathematics

Program Description
The MiTransfer Pathway Associate in Science (AS) degree includes the Michigan Transfer Agreement (MTA) and is designed for students who plan to transfer to a four-year college or university and major in a particular discipline. The core courses will help you develop your understanding of abstract mathematics, introductory physics and engineering, and other related disciplines.

Degree
AS - Associate in Science

Requirements

Simple Requisites

Subplan

Program Requirements- 62 credits
Type
Completion Requirement

Communication- 6 credits

Fulfill ALL of the following requirements:

ENG-101

Enroll in the following Courses:
- ENG101 - English Composition

— AND —

One course from:

Complete ANY of the following Courses:
- ENG102 - English Composition
- COM101 - Oral Communications

- COM107 - Introduction to Journalism

Science- 15 credits

Complete ALL of the following Courses:
- CHEM101A - General and Inorganic Chemistry Lab
- CHEM101LEC - General and Inorganic Chemistry Lecture
- PHYS203L&L - Engineering Physics Lecture & Lab
- PHYS204L&L - Engineering Physics Lecture & Lab

Math- 16 credits

Complete ALL of the following Courses:
- MATH161 - Calculus I
- MATH162A - Calculus II
- MATH283 - Calculus III
- MATH295 - Differential Equations w/Linear Algebra

Engineering Requirements- 6 credits

Complete ALL of the following Courses:
- ENGR202 - Statics
- ENGR204 - Engineering Dynamics

Social Science- 2 courses from two or more disciplines/subjects

Complete at least 2 of the following courses:
- ANTH103 - Cultural Diversity in Contemp. Society
- ANTH110 - Introduction to Cultural Anthropology
- ECON101A - Principles of Macroeconomics
- ECON102A - Principles of Microeconomics
- GEOG104 - Cultural Geography
- GEOG105 - World Regional Geography
- HIST201 - United States to 1877
- HIST202 - U.S. From Reconstruction-Present
- HIST207 - African American History
- HIST211 - Michigan History
- HIST220 - Labor Studies
- PSCI111 - Introduction to American Government
- PSCI202 - International Relations
- PSCI205 - Contemporary Political Issues in US
- PSCI211 - Comparative World Governments
- PSCI220 - Labor Studies
- PSYC102 - Applied Psychology
- PSYC201 - General Psychology
- PSYC203 - Abnormal Psychology
- PSYC209 - Psychological Disorders of Childhood
- PSYC207 - Life Span Development
- PSYC210 - Social Psychology
- SOC101 - Principles of Sociology
- SOC102A - Race, Ethnicity, & Immigration
- SOC202A - Modern Social Problems
- SOC203 - Introduction to Social Work
- SOC205 - Marriage and Family
- SOC206 - Introduction to Aging
- WGS101 - Intro to Women's & Gender Studies
- WGS201 - LGBTQ Studies

Humanities an Fine Arts- 2 courses from 2 disciplines/subjects. All Foreign Languages count as one subject.

Complete at least 2 of the following courses:
- ART100A - Art Appreciation
- ART198 - Art History I: Ancient Art - Renaissance

- ART199 - Art History II - Renaissance Art/Modern
- ART202 - Contemporary Art History
- ENG200A - Heroes of Early Western Literature
- ENG201A - Heroes of Later Western Literature
- ENG205 - Introduction to Poetry
- ENG207 - Literature of Race & Ethnicity
- ENG210 - The Nature of Language
- ENG211 - Literature of World Mythology
- ENG213 - Literature of Shakespeare
- ENG216 - Introduction to Film
- ENG223 - Poetry Writing Seminar
- ENG225 - Major American Writers-American
- ENG226 - Major American Writers-American
- ENG227 - British Literature I (673-1744)
- ENG228 - British Literature II (1750-Today)
- ENG231 - Themes in Women's Literature
- FR101 - Basic French
- FR102 - Basic French
- FR201 - Intermediate French
- FR202 - Intermediate French
- GER101 - Basic German
- GER102 - Basic German
- SPAN101 - Basic Spanish
- SPAN102 - Basic Spanish - Second Semester
- SPAN201 - Intermediate Spanish
- SPAN202 - Intermediate Spanish
- HIST101 - Western Civilization to 1500
- HIST102 - Western Civilization -1500 to Present
- HIST150 - World History to 1500 CE
- HIST151 - World History From 1500 CE
- HIST216 - Introduction to World War II
- HUM195 - Introduction to Humanities
- MU100 - Introduction to Music Theory
- MU101 - Music Theory
- MU102 - Music Theory
- MU103A - Music Appreciation
- MU192 - Music for the Classroom Teacher
- MU193A - Hip-Hop, Rock, and All the World's Music
- MU194 - Sight Reading and Ear Training
- MU195 - Sight Reading and Ear Training
- MU201 - Advanced Theory
- MU202 - Advanced Theory
- PHIL101 - Basic Concepts of Philosophy
- PHIL102 - Principles of Logic
- PHIL104 - Symbolic Logic
- PHIL105 - World Religions
- PHIL202 - Introduction to Ethics
- PHIL203 - Philosophy of Religion
- PHIL204 - Biomedical Ethics
- PHIL205 - Business Ethics
- PHIL207 - Environmental Ethics
- TH101 - Theater Appreciation
- TH102 - Introduction to Acting I
- TH108 - Theater for Children
- TH121 - Introduction to Technical Theater
- TH122 - Theater Set and Lighting Design
- TH160 - Acting for TV and Film
- TH201 - Introduction to Theater History
- TH202 - Introduction to Acting II
- TH204 - Improvisation for Actors
- TH217 - Creative Dramatics

Electives- Minimum 7 credits

Additional Comments:

No Requirement Level

Degree Maps
Degree Maps

Year 1

Fall Semester

ENG101
MATH161
CHEM101LEC
CHEM101A
Social Science
Electives

Winter Semester

English (see Program Requirements for options)
MATH162A
PHYS203L&L
Humanities and Arts
Electives

Year 2

Fall Semester

PHYS204L&L
ENGR202
Social Science
Humanities and Arts
Electives

Winter Semester

MATH283
MATH295
ENGR204
Electives (2 credits)

METR_CERT - Mechatronics Certificate

Overview

Department Title
Tech Related

Program Description
This certificate program provides students with the foundation skills necessary to pursue a career in STEM. This program is designed to give students exposure to a variety of careers including; Mechanical Engineer, Electrical Engineer, Manufacturing Engineer, Electrician, Automation Technician, CAD/CNC, Electronics Technician, Machinist, Industrial Maintenance, and Materials Technology. Students will learn basic engineering skills required to apply mathematics to solve problems, as well as hands-on skills necessary to begin a career in skilled trades. Upon completing this program students will have the skills necessary to go to work as a technician, begin a career in skills trades as an apprentice, and/or continue their education toward an Associate's Degree or Bachelor's Degree. This program is offered for full-time and part-time, day or night, as well as early college and dual enrollment students.

Degree
METR - Mechatronics

Requirements

Simple Requisites

Subplan

Certificate Requirements- 20-23 credits

Type

Completion Requirement

Certificate Requirements

Fulfill ALL of the following requirements:

Required Courses

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:

- CAD110 - Introduction to Computer-Aided Drafting
- ELTC101AL&L - Electricity-Basic
- HE110 - Industrial Safety and Workplace Training
- TECH201A - Introduction to Mechatronics

———— AND ————

Complete 1 course

Complete exactly 1 course(s) and earn exactly 3 credits from the following:

- CAD210 - Parametric Design I-Part Modeling
- CAD250 - Introduction to SolidWorks 3D

———— AND ————

Math

Complete ALL of the following Courses:

- TMAT101A - Technical Math I
- TMAT102A - Technical Math II
- TMAT201 - Technical Math III
- MATH109A - College Algebra
- MATH141 - Precalculus

———— AND ————

Electives

Complete exactly 1 course(s) and earn 3 - 4 credits from the following:

- AMT129A - Introduction to Technology
- ENGR105 - Introduction to Engineering
- CSS100A - College Success Seminar
- HP101 - Hydraulics/Pneumatics
- MATH161 - Calculus I
- MT101B - Basic Machining
- MT205A - NC/CNC Numerical Control/Computer
- W101A - Basic Welding

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

CAD110
ELTC101AL&L
HE110
Math

Winter Semester

CAD210 or CAD250
Elective (See Program Requirements for options)
TECH201A

MGMT.AAS - Management-Associate in Applied Science

Overview

Department Title

Business

Program Description

The following program is not designed for the student wishing to transfer to a four-year institution. Any student desiring to pursue a transfer program in business should consult with a counselor. The Management Program focuses on Management Development and Supervision. The program is designed to develop knowledge, attitudes, experience, and leadership skills, which will enable graduates to function in positions as supervisors or managers in business and industry.

Degree

AAS - Associate in Applied Science

Requirements

Simple Requisites

Subplan

Program Requirements- 60 credits

Type

Completion Requirement

General Education Requirements- 18-20 credits

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:

- ENG101 - English Composition
- BCOM102 - Adv Business & Technical Communications
- BUS127 - Human Relations

———— AND ————

Complete 1 course

Complete exactly 1 course(s) and earn 3 - 4 credits from the following:

- BUS126 - Business Mathematics
- MATH109A - College Algebra
- MATH115A - Probability and Statistics

———— AND ————

Complete 1 course

Complete exactly 1 course(s) and earn exactly 3 credits from the following:

- CIS110 - Computer Concepts
- CIS120A - Intro to Computer Information Systems

--- AND ---

Complete 1 course

Complete exactly 1 course(s) and earn 3 - 4 credits from the following:

- GEOG104 - Cultural Geography
- PHIL205 - Business Ethics
- PSCI111 - Introduction to American Government
- PSCI211 - Comparative World Governments
- PSYC102 - Applied Psychology
- PSYC201 - General Psychology

Business Core Requirements- 11 credits

Complete ALL of the following Courses:

- ACC201 - Principles of Accounting I
- BUS121 - Introduction to Business
- ECON102A - Principles of Microeconomics

Career Program Requirements- 31 credits

Complete ALL of the following Courses:

- BUS122 - Principles of Management
- BUS123 - Business Law I
- BUS125 - Supervision
- BUS166 - Quality Customer Service
- BUS167 - Professionalism in Your Career
- BUS222 - Fundamentals of Organizational Behavior
- BUS273A - Human Resource Management
- BUS108 - Introduction to Project Management
- BUS262 - Social Media
- BUS266 - Quality Customer Service II
- BUS161A - Effective Selling

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

BUS166
BUS121
ENG101
CIS110 or CIS120A
ECON102A

Winter Semester

BUS122
BUS123
BUS127

BCOM102
BUS126, or MATH109A, or MATH115A
BUS167

Year 2

Fall Semester

ACC201
BUS125
BUS161A
Choose One (See Program Requirements for options)

Winter Semester

BUS108
BUS222
BUS262
BUS266
BUS273A

MKTG.AAS - Marketing-Associate in Applied Science

Overview

Department Title
Business

Program Description
The following program is not designed for the student wishing to transfer to a four-year institution. Any student desiring to pursue a transfer program in business should consult with a counselor. The Marketing Program focusing on marketing applications and supervision. The Marketing program is a two-year curriculum designed to develop knowledge, attitudes, experience, and leadership skills, which will enable graduates to function in marketing positions.

Degree
AAS - Associate in Applied Science

Requirements

Simple Requisites

Subplan

Program Requirements- 60 credits
Type
Completion Requirement

General Education Requirements- 18-20 credits

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:

- ENG101 - English Composition
- BCOM102 - Adv Business & Technical Communications
- BUS127 - Human Relations

--- AND ---

Complete 1 course

Complete exactly 1 course(s) and earn 3 - 4 credits from the following:

- BUS126 - Business Mathematics
- MATH109A - College Algebra
- MATH115A - Probability and Statistics

----- AND -----

Complete 1 course

Complete exactly 1 course(s) and earn exactly 3 credits from the following:
- CIS110 - Computer Concepts
- CIS120A - Intro to Computer Information Systems

----- AND -----

Complete 1 course

Complete exactly 1 course(s) and earn 3 - 4 credits from the following:
- GEOG104 - Cultural Geography
- PHIL205 - Business Ethics
- PSCI111 - Introduction to American Government
- PSCI211 - Comparative World Governments
- PSYC102 - Applied Psychology
- PSYC201 - General Psychology

Business Core Requirements- 11 credits

Complete ALL of the following Courses:
- ACC201 - Principles of Accounting I
- BUS121 - Introduction to Business
- ECON102A - Principles of Microeconomics

Career Program Requirements- 30-31 credits

Complete ANY of the following Courses:
- BUS123 - Business Law I
- BUS161A - Effective Selling
- BUS162 - Principles of Retailing
- BUS166 - Quality Customer Service
- BUS167 - Professionalism in Your Career
- BUS204 - eMarketing
- BUS220 - E-Business
- BUS260 - Principles of Marketing
- BUS262 - Social Media
- BUS263 - Advertising Dynamics
- COM201 - Public Speaking

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

BUS166
BUS121
ENG101
CIS110 or CIS120A
BUS127

Winter Semester

BUS123
BUS260
BUS161A
BCOM102
BUS126, or MATH109A, or MATH115A

Year 2

Fall Semester

BUS263
BUS220
BUS167
ECON102A
ACC201

Winter Semester

Social Science
BUS204
BUS262
BUS162
COM201

MTA_AGREE - Michigan Transfer Agreement

Overview

Department Title
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Program Description
The Michigan Transfer Agreement Effective as of fall 2014. . The following courses may be taken at Muskegon Community College to fulfill the basic general education requirements at four-year colleges that participate in the Michigan Transfer Agreement (MTA). . A grade of "C" or better is required in each course used to fulfill requirements of the Agreement. . A minimum of one credit hour must be completed at Muskegon Community College. . This list reflects only current classes; the Registrar's Office maintains a historical listing of courses that are accepted as part of the Michigan Transfer Agreement.

Degree
MTA - Michigan Transfer Agreement

Requirements

Simple Requisites

Subplan

Program Requirements- 30 credits
Type
Completion Requirement

English/Communication- 2 courses

Fulfill ALL of the following requirements:

Enroll in the following Courses:
- ENG101 - English Composition

----- AND -----

Complete ANY of the following Courses:
- ENG102 - English Composition
- COM101 - Oral Communications

- COM107 - Introduction to Journalism
- COM201 - Public Speaking

Natural Science- 2 courses- must be in TWO or more disciplines/subjects. Must include at least one lab course.

Fulfill ALL of the following requirements:

Lab Classes:

Fulfill ANY of the following requirements:

Biology- Any MCC Biology course with a lab

—— OR ——

Chemistry- Any MCC Chemistry course with a lab

—— OR ——

Complete ANY of the following Courses:
- ENV110L&L - Environmental Science
- GEOG101A - Physical Geography - Lecture and Lab
- GEOG215 - Introduction to Weather and Climate
- GEOL101A - Introduction to Physical Geology
- GEOL102 - Introduction to Earth History
- PHSC101A - Introductory Physical Science L& L
- PHYS201CL&L - College Physics I Lecture and Lab
- PHYS202CL&L - Principles of Physics Lecture & Lab
- PHYS203L&L - Engineering Physics Lecture & Lab
- PHYS204L&L - Engineering Physics Lecture & Lab

—— AND ——

Non-Lab:

Complete ANY of the following Courses:
- ANTH105D - Intro to Phys Anthropology/Archaeology
- ASTR101 - General Astronomy
- ASTR105A - Cosmology
- BIOL115 - Intro to Anatomy and Physiology
- BIOL200 - Introductory Evolution
- BIOL207LEC - Microbiology Lecture
- GEOG214 - Science of Climate Change
- GEOG260 - Geoscience Field Experience
- GEOL100 - Natural Disasters

Math- 1 course

Complete ALL of the following Courses:
- MATH107A - Mathematics for Liberal Arts
- MATH109A - College Algebra
- MATH115A - Probability and Statistics
- MATH121 - Pre-STEM College Algebra
- MATH141 - Precalculus
- MATH161 - Calculus I
- MATH162A - Calculus II
- MATH215A - Statistics for Science & Engineering
- MATH276 - Linear Algebra With Applications
- MATH283 - Calculus III
- MATH295 - Differential Equations w/Linear Algebra

Social Science- 2 courses- must be in TWO or more disciplines/subjects.

Complete exactly 2 course(s) and earn credits from the following:
- ANTH103 - Cultural Diversity in Contemp. Society
- ANTH110 - Introduction to Cultural Anthropology
- ECON101A - Principles of Macroeconomics
- ECON102A - Principles of Microeconomics
- GEOG104 - Cultural Geography
- GEOG105 - World Regional Geography
- HIST201 - United States to 1877
- HIST202 - U.S. From Reconstruction-Present
- HIST207 - African American History
- HIST211 - Michigan History
- HIST212B - Gettysburg Battlefields
- HIST214 - Siege of Vicksburg-US Civil War
- HIST220 - Labor Studies
- PSYC102 - Applied Psychology
- PSYC201 - General Psychology
- PSYC203 - Abnormal Psychology
- PSYC207 - Life Span Development
- PSYC209 - Psychological Disorders of Childhood
- PSYC210 - Social Psychology
- SOC101 - Principles of Sociology
- SOC102A - Race, Ethnicity, & Immigration
- SOC202A - Modern Social Problems
- SOC203 - Introduction to Social Work
- SOC205 - Marriage and Family
- SOC206 - Introduction to Aging
- WGS101 - Intro to Women's & Gender Studies
- WGS201 - LGBTQ Studies

Humanities and Fine Arts- 2 courses- must be in TWO or more disciplines/subjects. All Foreign Languages count as one subject.

Complete exactly 2 course(s) and earn credits from the following:
- ART100A - Art Appreciation
- ART198 - Art History I: Ancient Art - Renaissance
- ART199 - Art History II - Renaissance Art/Modern
- ART202 - Contemporary Art History
- ENG200A - Heroes of Early Western Literature
- ENG201A - Heroes of Later Western Literature
- ENG205 - Introduction to Poetry
- ENG207 - Literature of Race & Ethnicity
- ENG210 - The Nature of Language
- ENG211 - Literature of World Mythology
- ENG213 - Literature of Shakespeare
- ENG216 - Introduction to Film
- ENG218A - Horror, Fantasy, and Science Fiction
- ENG223 - Poetry Writing Seminar
- ENG225 - Major American Writers-American
- ENG226 - Major American Writers-American
- ENG227 - British Literature I (673-1744)
- ENG228 - British Literature II (1750-Today)
- ENG231 - Themes in Women's Literature
- FR101 - Basic French
- FR102 - Basic French
- FR201 - Intermediate French
- FR202 - Intermediate French
- GER101 - Basic German
- GER102 - Basic German
- SPAN101 - Basic Spanish
- SPAN102 - Basic Spanish - Second Semester
- SPAN201 - Intermediate Spanish
- SPAN202 - Intermediate Spanish
- HIST101 - Western Civilization to 1500

- HIST102 - Western Civilization -1500 to Present
- HIST150 - World History to 1500 CE
- HIST151 - World History From 1500 CE
- HIST216 - Introduction to World War II
- HUM195 - Introduction to Humanities
- MU100 - Introduction to Music Theory
- MU101 - Music Theory
- MU102 - Music Theory
- MU103A - Music Appreciation
- MU192 - Music for the Classroom Teacher
- MU193A - Hip-Hop, Rock, and All the World's Music
- MU194 - Sight Reading and Ear Training
- MU195 - Sight Reading and Ear Training
- MU201 - Advanced Theory
- MU202 - Advanced Theory
- PHIL101 - Basic Concepts of Philosophy
- PHIL102 - Principles of Logic
- PHIL104 - Symbolic Logic
- PHIL105 - World Religions
- PHIL202 - Introduction to Ethics
- PHIL203 - Philosophy of Religion
- PHIL204 - Biomedical Ethics
- PHIL205 - Business Ethics
- PHIL207 - Environmental Ethics
- TH101 - Theater Appreciation
- TH102 - Introduction to Acting I
- TH108 - Theater for Children
- TH121 - Introduction to Technical Theater
- TH122 - Theater Set and Lighting Design
- TH160 - Acting for TV and Film
- TH201 - Introduction to Theater History
- TH202 - Introduction to Acting II
- TH217 - Creative Dramatics

Additional Comments:

No Requirement Level

NURS.AAS - Nursing-Associate in Applied Science

Overview

Department Title
Nursing

Program Description
Students who successfully complete the Associate in Applied Science Nursing (AAS) degree will be eligible to write the National Council Licensure Examination for Registered Nurses (NCLEX-RN) to practice as a Registered Nurse (RN).

Degree
AAS - Associate in Applied Science

Requirements

Simple Requisites

Subplan

Program Requirements- 65 credits
Type
Completion Requirement

Term 1

Complete ALL of the following Courses:
- NUR100 - Overview of the Nursing Profession
- AH111 - Environmental Stressors and Nutrition
- BIOL152L&L - Human Anatomy
- ANTH103 - Cultural Diversity in Contemp. Society
- PSYC201 - General Psychology
- ENG101 - English Composition

Term 2

Complete ALL of the following Courses:
- NUR126 - Family Health & Nursing Care
- NUR121A - Basic Pharmacology

Term 3

Complete ALL of the following Courses:
- NUR131B - Care of the Childrearing Family
- BIOL252L&L - Human Physiology

Term 4

Fulfill ALL of the following requirements:

NUR-141B

Complete ALL of the following Courses:
- NUR141B - Care of the Maturing Family

— AND —

Fulfill ANY of the following requirements:

Option 1

Enroll in the following Courses:
- CHEM109A - Chemistry for Health Science Lab
- CHEM109LEC - Chemistry for Health Science

— OR —

Option 2

Enroll in the following Courses:
- CHEM100A - Chemistry Fundamentals Lab
- CHEM100LEC - Chemistry Fundamentals - Lecture

— OR —

Option 3

Complete 1 year of chemistry with a C (2.0) or better from an approved high school within the past 8 years.

— OR —

Option 4

Pass the Toledo Chemistry Competency Examination in the MCC Testing Center with a "C" (70%) or higher.

Term 5

Complete ALL of the following Courses:

- NUR212B - Care of the Family in Physiol. Crisis
- BIOL207A - Microbiology Lab
- BIOL207LEC - Microbiology Lecture

Term 6

Complete ALL of the following Courses:
- NUR222A - Managing Care of the Family
- NUR211A - Care of Family-Psycho Crisis

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Term 1

ENG101
PSYC201
ANTH103
BIOL152L&L

Term 2

AH111
NUR100
NUR121A
NUR126

Term 3

BIOL252L&L
NUR131B

Term 4

CHEM100LEC/CHEM100A or CHEM109LEC/CHEM109A
NUR141B

Term 5

BIOL207LEC
BIOL207A
NUR212B

Term 6

NUR211A
NUR222A

NURS_DIPL - Nursing-Diploma

Overview

Department Title
Nursing

Program Description
Students who successfully complete the Practical Nurse Diploma will be eligible to write the National Council Licensure Examination for Practical Nurses (NCLEX-PN) to practice as a Licensed Practical Nurse (LPN). The Practical Nurse Diploma flows directly into the Associate of Applied Science Nursing Degree.

Degree
NURS - Practical Nursing

Requirements

Simple Requisites

Subplan

Program Requirements- 40 credits
Type
Completion Requirement

Term 1

Complete ALL of the following Courses:
- NUR100 - Overview of the Nursing Profession
- AH111 - Environmental Stressors and Nutrition
- BIOL152L&L - Human Anatomy
- ANTH103 - Cultural Diversity in Contemp. Society
- PSYC201 - General Psychology
- ENG101 - English Composition

Term 2

Complete ALL of the following Courses:
- NUR126 - Family Health & Nursing Care
- NUR121A - Basic Pharmacology

Term 3

Complete ALL of the following Courses:
- NUR131B - Care of the Childrearing Family
- BIOL252L&LH - Human Physiology-Honors

Term 4

Fulfill ALL of the following requirements:

NUR-141B

Enroll in the following Courses:
- NUR141B - Care of the Maturing Family

— AND —

Fulfill ANY

Fulfill ANY of the following requirements:

Option 1

Enroll in the following Courses:
- CHEM109A - Chemistry for Health Science Lab
- CHEM109LEC - Chemistry for Health Science

— OR —

Option 2

Enroll in the following Courses:
- CHEM100A - Chemistry Fundamentals Lab
- CHEM100LEC - Chemistry Fundamentals - Lecture

— OR —

Option 3

Complete 1 year of chemistry with a C (2.0) or better from an approved high school within the past 8 years.

```
─────────────── OR ───────────────

┌─────────────────────────────────────────┐
│ Option 4                                 │
│ Pass the Toledo Chemistry Competency     │
│ Examination in the MCC                   │
│ Testing Center with a "C" (70%) or       │
│ higher.                                  │
└─────────────────────────────────────────┘
```

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Term 1

ENG101
PSYC201
ANTH103
BIOL152L&L

Term 2

AH111
NUR100
NUR121A
NUR126

Term 3

BIOL252L&L
NUR131B

Term 4

CHEM100LEC/CHEM100A or CHEM109LEC/CHEM109A
NUR141B

NURS_PRE - Pre-Nursing

Overview

Department Title
Nursing

Program Description
Pre-Nursing

NURS_WAIT - Nursing Wait List for New Students

Overview

Department Title
Nursing

Program Description
Nursing Wait List for New Students

OFASS_CERT - Office Assistant-Certificate

Overview

Department Title
Business

Program Description
This certificate is designed to provide training and practice in basic office skills. This certificate will flow directly into the Administrative Assistant, AAS.

Degree
OFASS - Office Assistant

Requirements

Simple Requisites

Subplan

Certificate Requirements- 30 credits
Type
Completion Requirement

Complete ALL

Complete ALL of the following Courses:
- ENG101 - English Composition
- BUS167 - Professionalism in Your Career
- BUS179 - Keyboarding
- CIS119PP - Introduction to Presentation Graphics
- CIS120A - Intro to Computer Information Systems
- BCOM102 - Adv Business & Technical Communications
- BUS180D - Introduction to Word Processing-Part I
- BUS181C - Office Procedures I-Document Formatting
- CIS101EW - Intro to Electronic Spreadsheets
- CIS102EW - Intermediate Electronic Spreadsheets
- CIS153A - Introduction to Data Base Management
- BUS182C - Office Procedures II-Document Production
- BUS280C - Word Processing - Part II

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

ENG101
CIS120A
BUS179
CIS106

Winter Semester

BCOM102
BUS180D
BUS181C
CIS153A
CIS101EW
CIS102EW

Summer Semester

BUS182C
BUS280C
CIS119PP
BUS167

PATTM_CERT - Patternmakers Certificate

Overview

Department Title
Tech Related

Program Description
The Patternmakers Certificate is for the student who is considering a career in patternmaking. The certificate aligns with Patternmaking Apprenticeship awarded by the department of labor.

Degree
PATTM - Patternmakers

Requirements

Simple Requisites

> **Subplan**
>
> > **Certificate Requirements- 31-33 credits**
> > **Type**
> > Completion Requirement
> >
> > > Certificate Requirements
> > >
> > > **Fulfill ALL of the following requirements:**
> > >
> > > > Complete ALL
> > > >
> > > > **Complete ALL of the following Courses:**
> > > > - CAD110 - Introduction to Computer-Aided Drafting
> > > > - CAD150 - Blueprint Reading
> > > > - MT101B - Basic Machining
> > > > - MT205A - NC/CNC Numerical Control/Computer
> > > > - MT206A - 2-D CAD/CAM Computer-Aided
> > > > - MT216 - 3-D CAD/CAM Computer-Aided Design/Mach
> > > > - MET102 - Basic Cast Metals
> > >
> > > ———— **AND** ————
> > >
> > > > Complete 1 course
> > > >
> > > > **Complete exactly 1 course(s) and earn exactly 3 credits from the following:**
> > > > - MT218 - 5-Axis CNC & CMM
> > > > - MT222 - Machining Capstone
> > >
> > > ———— **AND** ————
> > >
> > > > Complete 1 course
> > > >
> > > > **Complete exactly 1 course(s) and earn 3 - 5 credits from the following:**
> > > > - TMAT102A - Technical Math II
> > > > - TMAT201 - Technical Math III
> > > > - MATH109A - College Algebra
> > > > - MATH141 - Precalculus
> >
> > **Additional Comments:**
>
> **No Requirement Level**

Degree Maps

Degree Maps

Year 1

Fall Semester

CAD110
MT101B
MT205A

Winter Semester

MT206A
CAD210 or CAD250

Year 2

Fall Semester

MT216
CAD150
MET102

Winter Semester

Math
MT218 or MT222

PHEPW.ASA - Public Health Pathway Associate in Science and Arts

Overview

Department Title
Health Sciences Dept

Program Description
Students who receive this degree will transfer to a four-year and usually work towards a degree in Public Health, Public Health Education, and Health and Human Services. Health educators and community health workers work in a variety of settings, including hospitals, nonprofit organizations, government, doctors' offices, private businesses, and colleges.

Degree
ASA - Associate in Science and Arts

Requirements

Simple Requisites

> **Subplan**
>
> > **Program Requirements- 62 credits**
> > **Type**
> > Completion Requirement
> >
> > > Communication- 6 credits
> > >
> > > **Enroll in the following Courses:**
> > > - ENG101 - English Composition
> > > - ENG102 - English Composition
> >
> > > Science- 6 credits in 2 or more disciplines/subjects- 1 lab course
> > >
> > > **Fulfill ANY of the following requirements:**
> > >
> > > > Biology
> > > >
> > > > **Any MCC Biology course with a lab**

———— **OR** ————

Chemistry

Any MCC Chemistry course with a lab

———— **OR** ————

Lab Courses:

Complete ANY of the following Courses:
- ENV110L&L - Environmental Science
- GEOG101A - Physical Geography - Lecture and Lab
- GEOG215 - Introduction to Weather and Climate
- GEOL101A - Introduction to Physical Geology
- GEOL102 - Introduction to Earth History
- PHSC101A - Introductory Physical Science L& L
- PHYS201CL&L - College Physics I Lecture and Lab
- PHYS202CL&L - Principles of Physics Lecture & Lab
- PHYS203L&L - Engineering Physics Lecture & Lab
- PHYS204L&L - Engineering Physics Lecture & Lab

———— **OR** ————

Non-Lab:

Complete ANY of the following Courses:
- ANTH105D - Intro to Phys Anthropology/Archaeology
- ASTR101 - General Astronomy
- ASTR105A - Cosmology
- BIOL115 - Intro to Anatomy and Physiology
- BIOL200 - Introductory Evolution
- BIOL207LEC - Microbiology Lecture
- GEOG214 - Science of Climate Change
- GEOG260 - Geoscience Field Experience
- GEOL100 - Natural Disasters

Math - 3 credits

Enroll in the following Courses:
- MATH115A - Probability and Statistics

Ethics and Logic- 3 credits

Complete ANY of the following Courses:
- PHIL101 - Basic Concepts of Philosophy
- PHIL102 - Principles of Logic
- PHIL104 - Symbolic Logic
- PHIL202 - Introduction to Ethics
- PHIL203 - Philosophy of Religion
- PHIL204 - Biomedical Ethics
- PHIL205 - Business Ethics
- PHIL207 - Environmental Ethics

Social Relationships- 3 credits

Enroll in the following Courses:
- PSYC201 - General Psychology

Western Culture- 3 credits

Complete ANY of the following Courses:
- ART198 - Art History I: Ancient Art - Renaissance
- ART199 - Art History II - Renaissance Art/Modern

- ART202 - Contemporary Art History
- ENG200A - Heroes of Early Western Literature
- ENG201A - Heroes of Later Western Literature
- ENG205 - Introduction to Poetry
- ENG210 - The Nature of Language
- ENG213 - Literature of Shakespeare
- ENG225 - Major American Writers-American
- ENG226 - Major American Writers-American
- ENG227 - British Literature I (673-1744)
- ENG228 - British Literature II (1750-Today)
- ENG231 - Themes in Women's Literature
- HIST101 - Western Civilization to 1500
- HIST102 - Western Civilization -1500 to Present
- HUM195 - Introduction to Humanities
- TH201 - Introduction to Theater History

American Culture- 3 credits

Complete ANY of the following Courses:
- HIST201 - United States to 1877
- HIST202 - U.S. From Reconstruction-Present
- HIST207 - African American History
- HIST211 - Michigan History
- HIST212B - Gettysburg Battlefields
- HIST214 - Siege of Vicksburg-US Civil War
- HIST220 - Labor Studies
- PSCI111 - Introduction to American Government
- PSCI205 - Contemporary Political Issues in US
- PSCI220 - Labor Studies

International Culture- 3 credits

Complete ANY of the following Courses:
- ANTH103 - Cultural Diversity in Contemp. Society
- ANTH110 - Introduction to Cultural Anthropology
- ENG207 - Literature of Race & Ethnicity
- ENG211 - Literature of World Mythology
- ENG218A - Horror, Fantasy, and Science Fiction
- FR101 - Basic French
- FR102 - Basic French
- FR201 - Intermediate French
- FR202 - Intermediate French
- GEOG104 - Cultural Geography
- GEOG105 - World Regional Geography
- GER101 - Basic German
- GER102 - Basic German
- HIST150 - World History to 1500 CE
- HIST151 - World History From 1500 CE
- HIST216 - Introduction to World War II
- PHIL105 - World Religions
- PSCI202 - International Relations
- PSCI210A - Int'l Organizations United Nations
- PSCI210B - International Organizations/Arab League
- PSCI211 - Comparative World Governments
- SPAN101 - Basic Spanish
- SPAN102 - Basic Spanish - Second Semester
- SPAN201 - Intermediate Spanish
- SPAN202 - Intermediate Spanish

Aesthetic Values- 3 credits

Fulfill ANY of the following requirements:

Aethetic Values

Complete ANY of the following Courses:

- ART100A - Art Appreciation
- ART104 - Drawing I
- ART105B - Two-Dimensional Form and Surface
- ART106B - Beginning Printmaking: Relief & Monotype
- ART107 - Painting I
- ART108 - Ceramics I
- ART109 - Sculpture I
- ART117 - Three-Dimensional Form and Space
- ART118 - Beginning Printmaking Intaglio
- ART204B - Drawing II (Transfer Portfolio Prep)
- ART207 - Painting II
- ART208 - Ceramics II
- ART209 - Sculpture II
- ART214 - Photography 35MM Black/White
- ART215 - Intermediate Photography
- ART220 - Figure Drawing
- DNC100 - Modern Dance I
- DNC101 - Modern Jazz Dance I
- DNC102 - Ballet I
- DNC106 - Social Dance I
- DNC200 - Modern Dance II
- DNC201 - Modern Jazz Dance II
- DNC206 - Social Dance II
- DNC210A - Repertory Dance Tour Company
- DNC210B - Repertory Dance Tour Company
- DNC210C - Repertory Dance Tour Group
- DNC210D - Repertory Dance Tour Company
- ENG216 - Introduction to Film
- ENG223 - Poetry Writing Seminar
- MU100 - Introduction to Music Theory
- MU101 - Music Theory
- MU102 - Music Theory
- MU103A - Music Appreciation
- MU192 - Music for the Classroom Teacher
- MU193A - Hip-Hop, Rock, and All the World's Music
- MU194 - Sight Reading and Ear Training
- MU195 - Sight Reading and Ear Training
- MU201 - Advanced Theory
- MU202 - Advanced Theory
- TH101 - Theater Appreciation
- TH102 - Introduction to Acting I
- TH108 - Theater for Children
- TH121 - Introduction to Technical Theater
- TH122 - Theater Set and Lighting Design
- TH141 - Applied Theater-Acting
- TH142 - Applied Theater-Dance
- TH144 - Applied Theater-Costuming
- TH145 - Applied Theater-Scenery Construction
- TH147 - Applied Theater-Production Crew
- TH148 - Applied Theater-Performance
- TH160 - Acting for TV and Film
- TH202 - Introduction to Acting II
- TH203 - Reader's Theater
- TH204 - Improvisation for Actors
- TH217 - Creative Dramatics
- TH260 - Student Production Practicum

Physical Education- 2 credits

Fulfill ALL of the following requirements:

PEA 1 credit

Enroll in the following Courses:

- PEA101A - Fitness, Wellness and Nutrition

AND

PEA 1 credit

Any PEA/DNC course

Program Specific Courses- 12 credits

Complete ALL of the following Courses:
- HE102 - Nutrition for Fitness & Sport
- HE120 - Introduction to Public Health
- HE130 - Community Health
- SOC101 - Principles of Sociology

Computer Competency

Fulfill ANY of the following requirements:

CIS Course

Pass any 3-credit-hour or greater CIS class with a "C" or better

---
OR

Competency Test

Pass MCC's CIS-110/120A Computer Competency Test

Electives- Minimum 15 credits

Electives comprised of additional classes and required class credits earned in general education requirements. Please work with a n MCC Pathway Counselor and refer to the transfer guide from 4 year institution to select courses to transfer.

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

ENG101
SOC101
PEA101A
Math
Western Culture
Elective (meet with a counselor)

Winter Semester

ENG102
CIS110 or CIS120A
HE102
PSYC201
International Culture

Year 2

Fall Semester

HE120
Science Lab
Physical Education
American Culture
Elective (meet with a counselor)

Winter Semester

HE130
Aesthetic Values
Ethics & Logic
Science
Elective (meet with a counselor)

PSYPW.ASA - Psychology Pathway Associate in Science and Arts

Overview

Department Title
Social Science Dept

Program Description
The MiTransfer Pathway Associate in Science and Arts (ASA) degree includes the Michigan Transfer Agreement (MTA) and is designed for students who plan to transfer to a four-year college or university and major in a particular discipline.

Degree
ASA - Associate in Science and Arts

Requirements

Simple Requisites

Subplan

Program Requirements- 62 credits
Type
Completion Requirement

Communication- 6 credits

Enroll in the following Courses:
- ENG101 - English Composition
- ENG102 - English Composition

Science- 6 credits from 2 disciplines/subjects. 1 lab course

Fulfill ALL of the following requirements:

Lab Courses

Fulfill ANY of the following requirements:

Biology

Any MCC Biology course with a lab

--- OR ---

Chemistry

Any MCC Chemistry course with a lab

--- OR ---

Lab courses

Complete ANY of the following Courses:
- BIOL152L&L - Human Anatomy
- ENV110L&L - Environmental Science
- GEOG101A - Physical Geography - Lecture and Lab
- GEOG215 - Introduction to Weather and Climate
- GEOL101A - Introduction to Physical Geology
- GEOL102 - Introduction to Earth History
- PHSC101A - Introductory Physical Science L& L
- PHYS201CL&L - College Physics I Lecture and Lab
- PHYS202CL&L - Principles of Physics Lecture & Lab
- PHYS203L&L - Engineering Physics Lecture & Lab
- PHYS204L&L - Engineering Physics Lecture & Lab

--- AND ---

Non-Lab:

Complete ANY of the following Courses:
- ANTH105D - Intro to Phys Anthropology/Archaeology
- ASTR101 - General Astronomy
- ASTR105A - Cosmology
- BIOL115 - Intro to Anatomy and Physiology
- BIOL200 - Introductory Evolution
- BIOL207LEC - Microbiology Lecture
- GEOG214 - Science of Climate Change
- GEOG260 - Geoscience Field Experience
- GEOL100 - Natural Disasters

Math - 3 credits

Enroll in the following Courses:
- MATH115A - Probability and Statistics

Ethics and Logic- 3 credits

Complete ANY of the following Courses:
- PHIL101 - Basic Concepts of Philosophy
- PHIL102 - Principles of Logic
- PHIL104 - Symbolic Logic
- PHIL202 - Introduction to Ethics
- PHIL203 - Philosophy of Religion
- PHIL204 - Biomedical Ethics
- PHIL205 - Business Ethics
- PHIL207 - Environmental Ethics

Social Relationships- 3 credits

Enroll in the following Courses:
- PSYC201 - General Psychology

Western Culture- 3 credits

Complete ANY of the following Courses:
- ART198 - Art History I: Ancient Art - Renaissance
- ART199 - Art History II - Renaissance Art/Modern
- ART202 - Contemporary Art History
- ENG200A - Heroes of Early Western Literature
- ENG201A - Heroes of Later Western Literature
- ENG205 - Introduction to Poetry
- ENG210 - The Nature of Language
- ENG213 - Literature of Shakespeare

- ENG225 - Major American Writers-American
- ENG226 - Major American Writers-American
- ENG227 - British Literature I (673-1744)
- ENG228 - British Literature II (1750-Today)
- ENG231 - Themes in Women's Literature
- HIST101 - Western Civilization to 1500
- HIST102 - Western Civilization -1500 to Present
- HUM195 - Introduction to Humanities
- TH201 - Introduction to Theater History

American Culture- 3 credits

Complete ANY of the following Courses:

- HIST201 - United States to 1877
- HIST202 - U.S. From Reconstruction-Present
- HIST207 - African American History
- HIST211 - Michigan History
- HIST212B - Gettysburg Battlefields
- HIST214 - Siege of Vicksburg-US Civil War
- HIST220 - Labor Studies
- PSCI111 - Introduction to American Government
- PSCI205 - Contemporary Political Issues in US
- PSCI220 - Labor Studies

International Culture- 3 credits

Complete ANY of the following Courses:

- ANTH103 - Cultural Diversity in Contemp. Society
- ANTH110 - Introduction to Cultural Anthropology
- ENG207 - Literature of Race & Ethnicity
- ENG211 - Literature of World Mythology
- ENG218A - Horror, Fantasy, and Science Fiction
- FR101 - Basic French
- FR102 - Basic French
- FR201 - Intermediate French
- FR202 - Intermediate French
- GEOG104 - Cultural Geography
- GEOG105 - World Regional Geography
- GER101 - Basic German
- GER102 - Basic German
- HIST150 - World History to 1500 CE
- HIST151 - World History From 1500 CE
- HIST216 - Introduction to World War II
- PHIL105 - World Religions
- PSCI202 - International Relations
- PSCI210A - Int'l Organizations United Nations
- PSCI210B - International Organizations/Arab League
- PSCI211 - Comparative World Governments
- SPAN101 - Basic Spanish
- SPAN102 - Basic Spanish - Second Semester
- SPAN201 - Intermediate Spanish
- SPAN202 - Intermediate Spanish

Aesthetic Values- 3 credits

Fulfill ANY of the following requirements:

Aesthetic Values

Complete ANY of the following Courses:

- ART100A - Art Appreciation
- ART104 - Drawing I
- ART105B - Two-Dimensional Form and Surface
- ART106B - Beginning Printmaking: Relief & Monotype
- ART107 - Painting I

- ART108 - Ceramics I
- ART109 - Sculpture I
- ART117 - Three-Dimensional Form and Space
- ART118 - Beginning Printmaking Intaglio
- ART204B - Drawing II (Transfer Portfolio Prep)
- ART207 - Painting II
- ART208 - Ceramics II
- ART209 - Sculpture II
- ART214 - Photography 35MM Black/White
- ART215 - Intermediate Photography
- ART220 - Figure Drawing
- DNC100 - Modern Dance I
- DNC101 - Modern Jazz Dance I
- DNC102 - Ballet I
- DNC106 - Social Dance I
- DNC200 - Modern Dance II
- DNC201 - Modern Jazz Dance II
- DNC206 - Social Dance II
- DNC210A - Repertory Dance Tour Company
- DNC210B - Repertory Dance Tour Company
- DNC210C - Repertory Dance Tour Group
- DNC210D - Repertory Dance Tour Company
- ENG216 - Introduction to Film
- ENG223 - Poetry Writing Seminar
- MU100 - Introduction to Music Theory
- MU101 - Music Theory
- MU102 - Music Theory
- MU103A - Music Appreciation
- MU192 - Music for the Classroom Teacher
- MU193A - Hip-Hop, Rock, and All the World's Music
- MU194 - Sight Reading and Ear Training
- MU195 - Sight Reading and Ear Training
- MU201 - Advanced Theory
- MU202 - Advanced Theory
- TH101 - Theater Appreciation
- TH102 - Introduction to Acting I
- TH108 - Theater for Children
- TH121 - Introduction to Technical Theater
- TH122 - Theater Set and Lighting Design
- TH141 - Applied Theater-Acting
- TH142 - Applied Theater-Dance
- TH144 - Applied Theater-Costuming
- TH145 - Applied Theater-Scenery Construction
- TH147 - Applied Theater-Production Crew
- TH148 - Applied Theater-Performance
- TH160 - Acting for TV and Film
- TH202 - Introduction to Acting II
- TH203 - Reader's Theater
- TH204 - Improvisation for Actors
- TH217 - Creative Dramatics
- TH260 - Student Production Practicum

Physical Education- 2-3 credits

Fulfill ANY of the following requirements:

Option 1:

Fulfill ALL of the following requirements:

PEA 1 credit

Complete ANY of the following Courses:

- PEA101A - Fitness, Wellness and Nutrition
- PEA103 - Weight Training

- PEA104A - Walking, Jogging and Conditioning
- PEA118 - Cycling
- PEA201 - Aerobic Movement for Fitness

--- AND ---

PEA 1 credit

Any PEA/DNC course

--- OR ---

Option 2 (3 credits):

Enroll in the following Courses:
- PEA121 - Human Movement Science

Program Specific Courses- 11 credits

Complete ALL of the following Courses:
- PSYC203 - Abnormal Psychology
- PSYC207 - Life Span Development
- PSYC210 - Social Psychology

Computer Competency

Fulfill ANY of the following requirements:

CIS Course

Pass any 3-credit-hour or greater CIS class with a grade of "C" or better

--- OR ---

Pass MCC's CIS-110/120A Computer Competency Test

Electives- 16 credits

Elective credits comprised of additional classes and required class credits earned in the general education requirements. Please work with an MCC Pathway Counselor and refer to the transfer guide from 4 year institution to select courses to transfer.

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

ENG101
PSYC201
MATH115A
Western Culture
Physical Education

Winter Semester

ENG102
CIS110 or CIS120A
PSYC203
International Culture
Elective (meet with a counselor)

Year 2

Fall Semester

PSYC207
Science with Lab
American Culture
Physical Education
Elective (meet with a counselor)

Winter Semester

PSYC210
Aesthetic Values
Science
Ethics & Value
Elective (meet with a counselor)

QUAS_CERT - Quality Assurance-Certificate

Overview

Department Title
Tech Related

Program Description
Quality Assurance-Certificate

Degree
QUAS - Quality Assurance

Requirements

Simple Requisites

Subplan

Certificate Requirements- 21-24 credits
Type
Completion Requirement

Certificate Requirements

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- AMT129A - Introduction to Technology
- ENG101 - English Composition
- CAD150 - Blueprint Reading
- MET101 - Industrial Materials
- QC101 - Basic Quality Control

--- AND ---

Complete 2 courses

Complete exactly 2 course(s) and earn 6 - 9 credits from the following:
- TMAT101A - Technical Math I
- TMAT102A - Technical Math II
- TMAT201 - Technical Math III

- MATH115A - Probability and Statistics
- MATH215A - Statistics for Science & Engineering
- MATH109A - College Algebra
- MATH141 - Precalculus

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

AMT129A
ENG101
Math
QC101

Winter Semester

MET101
Math
CAD150

RSPT.AAS - Respiratory Therapy-Associate in Applied Science

Overview

Department Title
Respiratory Therapy

Program Description
The Respiratory Therapy program is a 28 month associate degree program which began January, 1980. It is fully accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). The curriculum design offers the student the Associate in Applied Science Degree (AAS). The AAS Degree is an occupationally oriented degree. By taking additional coursework, the student may obtain an ASA Degree. The ASA Degree is a transfer degree which enables students to transfer to baccalaureate degree-granting institutions with advanced standing. Students who receive the AAS or ASA Degree will be eligible to write the National Board for Respiratory Care Entry-Level CRT Examination for licensure to practice as a Certified Respiratory Therapist (CRT). Upon successful completion of the CRT Examination, the graduate will be eligible to write the National Board for Respiratory Care Advanced Practitioner Examination to practice as a Registered Respiratory Therapist (RRT).

Degree
AAS - Associate in Applied Science

Requirements

Simple Requisites

Subplan

Program Requirements-90 credits
Type
Completion Requirement

Prerequisites

Fulfill ALL of the following requirements:

Complete Courses

Complete ALL of the following Courses:
- ENG101 - English Composition
- BIOL152L&L - Human Anatomy
- BIOL252L&L - Human Physiology
- MATH100NRT - Math for Health Science

— AND —

Fulfill Any

Fulfill ANY of the following requirements:

Option 1

Enroll in the following Courses:
- CHEM109A - Chemistry for Health Science Lab
- CHEM109LEC - Chemistry for Health Science

— OR —

Option 2

Enroll in the following Courses:
- CHEM100A - Chemistry Fundamentals Lab
- CHEM100LEC - Chemistry Fundamentals - Lecture

Semester 1

Complete ALL of the following Courses:
- RT101 - Respiratory Therapy Physics
- RT102 - Basic Patient Care Skills
- AH101 - Medical Terminology
- PHIL204 - Biomedical Ethics

Semester 2

Complete ALL of the following Courses:
- RT111B - Introduction to Respiratory Therapy
- RT110AL&L - Equipment and Procedures I
- RT120AL&L - Equipment and Procedures II
- RT121 - Cardio-Respiratory Pharmacology
- RT122 - Clinical I

Semester 3

Complete ALL of the following Courses:
- RT130AL&L - Respiratory Therapy Equipment
- RT131 - Physiology
- RT132 - Respiratory Therapy Clinical II
- RT134 - Intro-Mechanical Ventilation

Semester 4

Complete ALL of the following Courses:
- RT141 - Respiratory Pathophsiology
- RT144A - Adult Mechanical Ventilation
- RT152ACLI - Clinical IV
- RT162 - Clinical V

Semester 5

Complete ALL of the following Courses:
- RT210 - Cardiovascular and Renal Physiology
- RT220C - Pediatric/Neonatal Critical Care
- PSYC201 - General Psychology

Semester 6

Complete ALL of the following Courses:
- RT212B - Adv Clinical Practice I

Semester 7

Complete ALL of the following Courses:
- RT222A - Advanced Clinical II
- RT230B - Pulmonary Diagnostics and Rehabilitation
- RT240 - Health Care Environment
- BUS122 - Principles of Management

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps
See program Requirements for Program Prerequisites.

Semester 1

RT101
RT102
AH101
PHIL204

Semester 2

RT111B
RT110AL&L
RT120AL&L
RT121
RT122

Semester 3

RT130AL&L
RT131
RT132
RT134

Semester 4

RT141
RT144A
RT152ACLI
RT162

Semester 5

RT210
RT220C
PSYC201

Semester 6

RT212B

Semester 7

RT222A
RT230B
RT240
BUS122

RSPT_PRE - Pre-Respiratory Therapy

Overview

Department Title
Respiratory Therapy

Program Description
Pre-Respiratory Therapy

SCIPE.AS - Associate in Science and Pre-Engineering

Overview

Department Title
Engineering

Program Description
This program is designed to prepare you for transfer to a four-year degree in math, physical science (astronomy, chemistry, geology, physics, etc) and all types of engineering (civil, mechanical, chemical, electrical, and others). This program also includes general education courses necessary to satisfy the Michigan Transfer Agreement (MTA) The core courses will help you develop your understanding of abstract mathematics, introductory physics, and other related disciplines.

Degree
AS - Associate in Science

Requirements

Simple Requisites

Subplan

Program Requirements- 62 credits

Type
Completion Requirement

Communication- 6 credits

Fulfill ALL of the following requirements:

ENG-101

Enroll in the following Courses:
- ENG101 - English Composition

— AND —

Complete 1 course

Complete ANY of the following Courses:
- ENG102 - English Composition
- COM101 - Oral Communications
- COM107 - Introduction to Journalism
- COM201 - Public Speaking

Natural Science- Two Courses must be in TWO or more disciplines/subjects.

Complete exactly 2 course(s) and earn credits from the following:
- ANTH103 - Cultural Diversity in Contemp. Society
- ANTH110 - Introduction to Cultural Anthropology
- ECON101A - Principles of Macroeconomics
- ECON102A - Principles of Microeconomics
- GEOG104 - Cultural Geography

- GEOG105 - World Regional Geography
- HIST201 - United States to 1877
- HIST202 - U.S. From Reconstruction-Present
- HIST207 - African American History
- HIST211 - Michigan History
- HIST212B - Gettysburg Battlefields
- HIST214 - Siege of Vicksburg-US Civil War
- HIST220 - Labor Studies
- PSCI111 - Introduction to American Government
- PSCI202 - International Relations
- PSCI205 - Contemporary Political Issues in US
- PSCI210A - Int'l Organizations United Nations
- PSCI211 - Comparative World Governments
- PSCI220 - Labor Studies
- PSYC102 - Applied Psychology
- PSYC201 - General Psychology
- PSYC203 - Abnormal Psychology
- PSYC207 - Life Span Development
- PSYC209 - Psychological Disorders of Childhood
- PSYC210 - Social Psychology
- SOC101 - Principles of Sociology
- SOC102A - Race, Ethnicity, & Immigration
- SOC202A - Modern Social Problems
- SOC203 - Introduction to Social Work
- SOC205 - Marriage and Family
- SOC206 - Introduction to Aging
- WGS101 - Intro to Women's & Gender Studies
- WGS201 - LGBTQ Studies

Humanities and Fine Arts- Two Courses must be in TWO or more disciplines/subjects- (All Foreign Languages count as one subject)

Complete ANY of the following Courses:

- ART100A - Art Appreciation
- ART198 - Art History I: Ancient Art - Renaissance
- ART199 - Art History II - Renaissance Art/Modern
- ART202 - Contemporary Art History
- ENG200A - Heroes of Early Western Literature
- ENG201A - Heroes of Later Western Literature
- ENG205 - Introduction to Poetry
- ENG207 - Literature of Race & Ethnicity
- ENG210 - The Nature of Language
- ENG211 - Literature of World Mythology
- ENG213 - Literature of Shakespeare
- ENG216 - Introduction to Film
- ENG218A - Horror, Fantasy, and Science Fiction
- ENG223 - Poetry Writing Seminar
- ENG225 - Major American Writers-American
- ENG226 - Major American Writers-American
- ENG227 - British Literature I (673-1744)
- ENG228 - British Literature II (1750-Today)
- ENG231 - Themes in Women's Literature
- FR101 - Basic French
- FR102 - Basic French
- FR201 - Intermediate French
- FR202 - Intermediate French
- GER101 - Basic German
- GER102 - Basic German
- SPAN101 - Basic Spanish
- SPAN102 - Basic Spanish - Second Semester
- SPAN201 - Intermediate Spanish
- SPAN202 - Intermediate Spanish
- HIST101 - Western Civilization to 1500
- HIST102 - Western Civilization -1500 to Present

- HIST150 - World History to 1500 CE
- HIST151 - World History From 1500 CE
- HIST216 - Introduction to World War II
- HUM195 - Introduction to Humanities
- MU100 - Introduction to Music Theory
- MU101 - Music Theory
- MU102 - Music Theory
- MU103A - Music Appreciation
- MU192 - Music for the Classroom Teacher
- MU193A - Hip-Hop, Rock, and All the World's Music
- MU194 - Sight Reading and Ear Training
- MU195 - Sight Reading and Ear Training
- MU201 - Advanced Theory
- MU202 - Advanced Theory
- PHIL101 - Basic Concepts of Philosophy
- PHIL102 - Principles of Logic
- PHIL104 - Symbolic Logic
- PHIL105 - World Religions
- PHIL202 - Introduction to Ethics
- PHIL203 - Philosophy of Religion
- PHIL204 - Biomedical Ethics
- PHIL205 - Business Ethics
- PHIL207 - Environmental Ethics
- TH101 - Theater Appreciation
- TH102 - Introduction to Acting I
- TH108 - Theater for Children
- TH121 - Introduction to Technical Theater
- TH122 - Theater Set and Lighting Design
- TH160 - Acting for TV and Film
- TH201 - Introduction to Theater History
- TH202 - Introduction to Acting II
- TH217 - Creative Dramatics

Math Requirements

Complete exactly 3 course(s) and earn credits from the following:

- MATH161 - Calculus I
- MATH162A - Calculus II
- MATH283 - Calculus III
- MATH295 - Differential Equations w/Linear Algebra

Physics Requirements- 10 credits

Enroll in the following Courses:

- PHYS203L&L - Engineering Physics Lecture & Lab
- PHYS204L&L - Engineering Physics Lecture & Lab

Chemistry Requirements- 5 credits

Enroll in the following Courses:

- CHEM101A - General and Inorganic Chemistry Lab
- CHEM101LEC - General and Inorganic Chemistry Lecture

Science and Engineering Electives- 12 credits

Fulfill ANY of the following requirements:

STEM Electives

Complete ANY of the following Courses:

- BIOL130L&L - General Biology I
- BIOL131L&L - General Biology II
- BIOL115 - Intro to Anatomy and Physiology
- BIOL115L - Introduction to Anatomy & Physiology Lab
- BIOL252L&L - Human Physiology
- BIOL121L&L - Plant Biology

- BIOL152L&L - Human Anatomy
- BIOL207A - Microbiology Lab
- BIOL207LEC - Microbiology Lecture
- CHEM102LEC - General and Inorganic Chemistry-Lecture
- CHEM102A - General and Inorganic Chemistry-Lab
- CHEM201E - Organic Chemistry I - Lecture
- CHEM201F - Organic Chemistry I - Lab
- CHEM202F - Organic Chemistry-Lecture
- CHEM202G - Organic Chemistry-Lab
- CAD110 - Introduction to Computer-Aided Drafting
- CAD250 - Introduction to SolidWorks 3D
- CIS185 - 'C' Programming
- CIS186 - Python Programming
- CIS250 - Developing Information Systems
- CIS280 - Java Programming
- ENGR202 - Statics
- ENGR204 - Engineering Dynamics
- GEOL101A - Introduction to Physical Geology

--- OR ---

Math option (towards 12 STEM elective credits)

Any Math above Math-161 AFTER meeting STEM Math Requirements

General Electives- 5 credits

Please work with the MCC Pathway Counselor and refer to the transfer guide from the 4-year institution to make sure that you select the appropriate courses to transfer. ECON-102A Recommended for MTA

Additional Comments:

No Requirement Level

Degree Maps
Degree Maps

Year 1

Fall Semester

ENG101
MATH161
CHEM101LEC
CHEM101A
Social Science
STEM Elective (1 credit)

Winter Semester

English
MATH162A
PHYS203L&L
Humanities and Arts
STEM Elective (1 credit)

Year 2

Fall Semester

PHYS204L&L
Social Science
Humanities and Arts
Electives (5 credits)

Winter Semester

Math
STEM Electives (10 credits)

SOWPW.ASA - Social Work Pathway Associates in Science and Arts

Overview

Department Title
Social Science Dept

Program Description
The Social Work Pathway degree will prepare students who plan to transfer to a participating four-year college or university and work towards a bachelor's degree in Social Work.

Degree
ASA - Associate in Science and Arts

Requirements

Simple Requisites

Subplan

Program Requirements- 62 credits
Type
Completion Requirement

Communication

Enroll in the following Courses:
- ENG101 - English Composition
- ENG102 - English Composition

Science- 6 credits

Fulfill ALL of the following requirements:

Biology

Enroll in the following Courses:
- BIOL152L&L - Human Anatomy

--- AND ---

Lab Course

Fulfill ANY of the following requirements:

Chemistry

Any MCC Chemistry course with a lab

--- OR ---

Lab course

Complete ANY of the following Courses:
- ENV110L&L - Environmental Science
- GEOG101A - Physical Geography - Lecture and Lab
- GEOG215 - Introduction to Weather and Climate
- GEOL101A - Introduction to Physical Geology
- GEOL102 - Introduction to Earth History
- PHSC101A - Introductory Physical Science L& L
- PHYS201CL&L - College Physics I Lecture and Lab
- PHYS202CL&L - Principles of Physics Lecture & Lab

- PHYS203L&L - Engineering Physics Lecture & Lab
- PHYS204L&L - Engineering Physics Lecture & Lab

—— OR ——

Non-Lab

Complete ANY of the following Courses:
- ANTH105D - Intro to Phys Anthropology/Archaeology
- ASTR101 - General Astronomy
- ASTR105A - Cosmology
- GEOG214 - Science of Climate Change
- GEOG260 - Geoscience Field Experience
- GEOL100 - Natural Disasters

Math- 3 credits

Enroll in the following Courses:
- MATH115A - Probability and Statistics

Ethics and Logic- 3 credit

Complete ANY of the following Courses:
- PHIL101 - Basic Concepts of Philosophy
- PHIL102 - Principles of Logic
- PHIL104 - Symbolic Logic
- PHIL202 - Introduction to Ethics
- PHIL203 - Philosophy of Religion
- PHIL204 - Biomedical Ethics
- PHIL205 - Business Ethics
- PHIL207 - Environmental Ethics

Social Relationships- 3 credits

Enroll in the following Courses:
- PSYC201 - General Psychology

Western Culture- 3 credits

Complete ANY of the following Courses:
- ART198 - Art History I: Ancient Art - Renaissance
- ART199 - Art History II - Renaissance Art/Modern
- ART202 - Contemporary Art History
- ENG200A - Heroes of Early Western Literature
- ENG201A - Heroes of Later Western Literature
- ENG205 - Introduction to Poetry
- ENG210 - The Nature of Language
- ENG213 - Literature of Shakespeare
- ENG225 - Major American Writers-American
- ENG226 - Major American Writers-American
- ENG227 - British Literature I (673-1744)
- ENG228 - British Literature II (1750-Today)
- ENG231 - Themes in Women's Literature
- HIST101 - Western Civilization to 1500
- HIST102 - Western Civilization -1500 to Present
- HUM195 - Introduction to Humanities
- TH201 - Introduction to Theater History

American Culture- 3 credits

Complete ANY of the following Courses:
- HIST201 - United States to 1877
- HIST202 - U.S. From Reconstruction-Present

- HIST207 - African American History
- HIST211 - Michigan History
- HIST212B - Gettysburg Battlefields
- HIST214 - Siege of Vicksburg-US Civil War
- HIST220 - Labor Studies
- PSCI111 - Introduction to American Government
- PSCI205 - Contemporary Political Issues in US
- PSCI220 - Labor Studies

International Culture- 3 credits

Complete ALL of the following Courses:
- ANTH103 - Cultural Diversity in Contemp. Society
- ANTH110 - Introduction to Cultural Anthropology
- ENG207 - Literature of Race & Ethnicity
- ENG211 - Literature of World Mythology
- ENG218A - Horror, Fantasy, and Science Fiction
- FR101 - Basic French
- FR102 - Basic French
- FR201 - Intermediate French
- FR202 - Intermediate French
- GEOG104 - Cultural Geography
- GEOG105 - World Regional Geography
- GER101 - Basic German
- GER102 - Basic German
- HIST150 - World History to 1500 CE
- HIST151 - World History From 1500 CE
- HIST216 - Introduction to World War II
- PHIL105 - World Religions
- PSCI202 - International Relations
- PSCI210A - Int'l Organizations United Nations
- PSCI210B - International Organizations/Arab League
- PSCI211 - Comparative World Governments
- SPAN101 - Basic Spanish
- SPAN102 - Basic Spanish - Second Semester
- SPAN201 - Intermediate Spanish
- SPAN202 - Intermediate Spanish

Aesthetic Values- 3 credits

Fulfill ANY of the following requirements:

Aesthetic Values

Complete ANY of the following Courses:
- ART100A - Art Appreciation
- ART104 - Drawing I
- ART105B - Two-Dimensional Form and Surface
- ART106B - Beginning Printmaking: Relief & Monotype
- ART107 - Painting I
- ART108 - Ceramics I
- ART109 - Sculpture I
- ART117 - Three-Dimensional Form and Space
- ART118 - Beginning Printmaking Intaglio
- ART204B - Drawing II (Transfer Portfolio Prep)
- ART207 - Painting II
- ART208 - Ceramics II
- ART209 - Sculpture II
- ART214 - Photography 35MM Black/White
- ART215 - Intermediate Photography
- ART220 - Figure Drawing
- DNC100 - Modern Dance I
- DNC101 - Modern Jazz Dance I
- DNC102 - Ballet I
- DNC106 - Social Dance I

- DNC200 - Modern Dance II
- DNC201 - Modern Jazz Dance II
- DNC206 - Social Dance II
- DNC210A - Repertory Dance Tour Company
- DNC210B - Repertory Dance Tour Company
- DNC210C - Repertory Dance Tour Group
- DNC210D - Repertory Dance Tour Company
- ENG216 - Introduction to Film
- ENG223 - Poetry Writing Seminar
- MU100 - Introduction to Music Theory
- MU101 - Music Theory
- MU102 - Music Theory
- MU103A - Music Appreciation
- MU192 - Music for the Classroom Teacher
- MU193A - Hip-Hop, Rock, and All the World's Music
- MU194 - Sight Reading and Ear Training
- MU195 - Sight Reading and Ear Training
- MU201 - Advanced Theory
- MU202 - Advanced Theory
- TH101 - Theater Appreciation
- TH102 - Introduction to Acting I
- TH108 - Theater for Children
- TH121 - Introduction to Technical Theater
- TH122 - Theater Set and Lighting Design
- TH141 - Applied Theater-Acting
- TH142 - Applied Theater-Dance
- TH144 - Applied Theater-Costuming
- TH145 - Applied Theater-Scenery Construction
- TH147 - Applied Theater-Production Crew
- TH148 - Applied Theater-Performance
- TH160 - Acting for TV and Film
- TH202 - Introduction to Acting II
- TH203 - Reader's Theater
- TH204 - Improvisation for Actors
- TH217 - Creative Dramatics
- TH260 - Student Production Practicum

—————— OR ——————

Music course

Music classes numbered 100 and above except MU-240

Physical Education- 2-3 credits

Fulfill ANY of the following requirements:

Option 1:

Fulfill ALL of the following requirements:

PEA 1 credit

Complete ANY of the following Courses:
- PEA101A - Fitness, Wellness and Nutrition
- PEA103 - Weight Training
- PEA104A - Walking, Jogging and Conditioning
- PEA118 - Cycling
- PEA201 - Aerobic Movement for Fitness

—————— AND ——————

PEA 1 credit

Any PEA/DNC course

—————— OR ——————

Option 2 (3 credits):

Enroll in the following Courses:
- PEA121 - Human Movement Science

Program Specific Courses- 6 credits

Complete ALL of the following Courses:
- SOC101 - Principles of Sociology
- SOC203 - Introduction to Social Work

Computer Competency

Fulfill ANY of the following requirements:

CIS Course

Pass any 3-credit-hour or greater CIS course with a grade of "C" or better

—————— OR ——————

Competency Test

Pass MCC's CIS-110/120A Computer Competency Test

Elective- Minimum 21 credits

Electives credits composed of additional classes and required class credits earned in the general education requirements. Please work with an MCC Pathway Counselor and refer to the transfer guide from 4 year institution to select courses for transfer. Recommended: SOC-202A

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

ENG101
SOC101
MATH115A
Western Culture
Physical Education

Winter Semester

ENG102
CIS110 or CIS120A
PSYC201
International Culture
Elective

Year 2

Fall Semester

SOC203
BIOL152L&L
American Culture
Elective (6 credits-meet with a counselor)

Winter Semester

Aesthetic Values
Ethics & Values
Science
Electives (6 credits-meet with a counselor)

SURG.AAS - Surgical Technology Associate in Applied Science

Overview

Department Title
Health Sciences Dept

Program Description
The Surgical Technology Program at MCC is an Associate Degree in Applied Science program that will be accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). This program includes courses that lead to a Sterile Processing Certificate. The curriculum includes science courses selected to provide a basis for the clinical and theory application of principles used in Surgical Technology. Basic courses in the theoretical aspects of Surgical Technology include lecture, clinical, and on-line instruction. All Surgical Technology courses must be passed with a minimum grade of C+. The goal of the program is to prepare students who graduate with the ability to demonstrate competence in the areas of cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.

Throughout the program, students are provided with hands-on experience in cooperation with various hospitals under the direction of the Program Director/Instructor. Upon completion of the program, students will be eligible to take the National Board Certification Examination administered by PSI Testing and endorsed by the National Board of Surgical Technology and Surgical Assisting (NBSTSA). This examination has been incorporated into the program at the student's expense and is non-refundable

Degree
AAS - Associate in Applied Science

Requirements

Simple Requisites

Subplan

Program Requirements- 60 credits
Type
Completion Requirement

Semester 1

Complete ALL of the following Courses:
- BIOL115 - Intro to Anatomy and Physiology
- BIOL115L - Introduction to Anatomy & Physiology Lab
- ST110 - Fundamentals of Surgical Tech
- ST100 - The Surgical Patient
- ST210 - Surgical Specialty/Professional Prep

Semester 2

Complete ALL of the following Courses:
- AH101 - Medical Terminology
- ST101 - Surgical Asepsis
- ST115 - Surgical Pharmacology
- ST150 - Basic Operative Procedures
- ST211 - Applied Surgical Techniques II

Semester 3

Complete ALL of the following Courses:
- ST102 - Sterile Processing I
- ST103 - Sterile Processing Externship
- ENG101 - English Composition

Semester 4

Complete ALL of the following Courses:
- COM101 - Oral Communications
- ST212 - Applied Surgical Techniques III
- ST151 - Advanced Surgical Procedures

Semester 5

Complete ALL of the following Courses:
- SOC101 - Principles of Sociology
- PHIL204 - Biomedical Ethics
- ST200 - Surgical Specialty/Professional Prep
- ST213 - Advanced Surgical Techniques IV

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

BIOL115
BIOL115L
ST110
ST100
ST210

Winter Semester

AH101
ST101
ST115
ST150
ST211

Summer Semester

ST102
ST103
ENG101

Year 2

Fall Semester

COM101
ST212
ST151

Winter Semester
SOC101
PHIL204
ST200
ST213

UFMGM.AAS - Urban Forest Management

Overview
Department Title
Biology

Program Description
Employment and career opportunities continue to expand for those who have training and educational preparation in Urban Forest Management. In response to agency and industry needs, Michigan State University is partnering with Muskegon Community College (MCC) to offer a combined program, which enables students to complete an MSU Institute of Agricultural Technology certificate in Urban Forest Management and an Associate Degree at MCC concurrently. The Urban Forest Management program prepares graduates for a wide range of employment and career choices in the field. MSU Transfer Students: Students wishing to transfer to MSU as juniors must meet with the program coordinator during their first semester to alter general education courses to meet MSU requirements.

Degree
AAS - Associate in Applied Science

Requirements
Simple Requisites

Subplan

Program Requirements- 63 credits
Type
Completion Requirement

General Education Requirements- 27 credits

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- ENG101 - English Composition
- ENV110L&L - Environmental Science
- BIOL121L&L - Plant Biology
- CIS120A - Intro to Computer Information Systems
- GEOG251 - Introduction to GIS
- HE110 - Industrial Safety and Workplace Training
- BUS122 - Principles of Management
- BUS125 - Supervision

—— AND ——

Complete 1 course

Earn at least 3 credits from the following:
- TMAT101A - Technical Math I
- TMAT102A - Technical Math II
- TMAT201 - Technical Math III
- MATH109A - College Algebra
- BUS126 - Business Mathematics
- MATH115A - Probability and Statistics

MSU Occupational Specialty Requirements- 36 credits

AT-293, CSS-203, ENT-110, FOR-111, FOR-112, FOR-113, FOR-114, FOR-120, FOR-125, FOR-222, FOR-225, FOR-235, FOR-240, FOR-245, HRT-211, HRT-213, PLP-105

Additional Comments:

No Requirement Level

Degree Maps
Degree Maps
MSU courses

Year 1

Fall Semester
ENG101 English Composition
*ENT110
HE110 Industr Safety/Wkplace Trng
*HRT211
*FOR 111
*FOR113

Winter Semester
CIS120A Computer Information Systems
*CSS203
BIOL121L&L Plant Biology
TMAT101A Technical Math I, or TMAT102A Math-Technical II, or TMAT201 Math-Technical III
*FOR114
*FOR120
*HRT213

Summer Semester
*AT-293

Year 2

Fall Semester
ENV110L&L Environmental Science
*FOR222
*FOR235
*FOR125
*PLP105

Winter Semester
BUS125 Supervision
*FOR112
*FOR225
*FOR240
*FOR245
GEOG251 Introduction to GIS

WEBD.AAS - Web Design-Associate in Applied Science

Overview
Department Title
Comp Info Systems/Business

Program Description

The following program is for AAS Degree students interested in careers which require extensive knowledge of the Internet. Students receiving an AAS Degree in Web Design can create Web pages, install and maintain Web servers and are knowledgeable about the protocols and hardware used to transfer data across the Internet. They learn to work within wide-area networks and can develop new Web sites using HTML coding. This degree is not designed for students wishing to transfer to four-year institutions. Transfer-oriented students interested in working with computers should consult with a counselor.

Degree

AAS - Associate in Applied Science

Requirements

Simple Requisites

Subplan

No Requirement Level

Program Requirements- 60 credits

Type

Completion Requirement

General Education Requirements- 18-20 credits

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- ENG101 - English Composition
- BCOM102 - Adv Business & Technical Communications
- CIS120A - Intro to Computer Information Systems

—— **AND** ——

Complete 1 course

Complete exactly 1 course(s) and earn 3 - 4 credits from the following:
- BUS126 - Business Mathematics
- MATH109A - College Algebra

—— **AND** ——

Complete 1 course

Complete exactly 1 course(s) and earn exactly 3 credits from the following:
- BUS127 - Human Relations
- COM101 - Oral Communications

—— **AND** ——

Complete 1 course

Complete exactly 1 course(s) and earn 3 - 4 credits from the following:
- GEOG104 - Cultural Geography
- PHIL205 - Business Ethics
- PSCI111 - Introduction to American Government
- PSCI211 - Comparative World Governments
- PSYC102 - Applied Psychology
- PSYC201 - General Psychology

Business Core Requirements- 12 credits

Complete ALL of the following Courses:
- BUS121 - Introduction to Business
- BUS204 - eMarketing
- BUS220 - E-Business
- BUS260 - Principles of Marketing

Career Program Requirements- 30 credits

Complete ALL of the following Courses:
- BUS167 - Professionalism in Your Career
- CIS153A - Introduction to Data Base Management
- CIS199 - Internet Content Management Systems Cms
- CIS228 - JavaScript
- CIS257A - HTML Internet for Web Page Design
- CIS258 - Advanced HTML Web Development
- GRD205 - UX Design and Implementation Foundation
- CIS287A - Digital Video Editing and Production
- GRD102 - Introduction to Illustrator
- GRD103 - Introduction to Photoshop
- GRD110 - Principles of Design
- GRD120 - Introduction to Graphic Design

Additional Comments:

Degree Maps

Degree Maps

Year 1

Fall Semester

BUS121
BUS127
CIS120A
CIS153A
GRD110

Winter Semester

BUS126 or MATH109A
CIS257A
GRD102
GRD120
ENG101

Year 2

Fall Semester

BCOM102
BUS220
GRD103
BUS167
CIS228
CIS258

Winter Semester

BUS204
BUS260 or CIS199
GRD205
CIS287A
Choose one course (See Program Requirements for options)

WELD.AAS - Welding Technology-Associate in Applied Science

Overview

Department Title

Welding

Program Description

Welding Technology is a diversified program of skills dealing with the fabrication of metal products from rolled, stamped, forged or cast shapes. The type of metal, position of weldments, and use of structural shapes will be handled in a manner similar to that used in industrial processing. Selection of the proper welding methods, materials and procedures required will provide training in solving realistic problems found in the welding field. Students who wish to complete a program in two years are advised to use a sequence of courses recommended by their counselor or by the instructor. If a student wishes to attend college on less than a full-time basis, the program may be extended beyond two years. Students may wish to complete only the certificate program in welding.

Degree

AAS - Associate in Applied Science

Requirements

Simple Requisites

Subplan

Program Requirements- 62 credits

Type

Completion Requirement

General Education Requirements- 15-18 credits

Fulfill ALL of the following requirements:

ENG-101

Complete ALL of the following Courses:
- ENG101 - English Composition

— AND —

Complete 4 courses

Complete exactly 4 course(s) and earn 12 - 15 credits from the following:
- ANTH103 - Cultural Diversity in Contemp. Society
- BUS127 - Human Relations
- BCOM102 - Adv Business & Technical Communications
- COM201 - Public Speaking
- ENG102 - English Composition
- ECON101A - Principles of Macroeconomics
- HUM195 - Introduction to Humanities
- MATH109A - College Algebra
- MATH141 - Precalculus
- PHIL102 - Principles of Logic
- PSYC201 - General Psychology
- SOC101 - Principles of Sociology
- TMAT101A - Technical Math I
- TMAT102A - Technical Math II
- TMAT201 - Technical Math III

Welding Technology Requirements- 24 credits

Complete ALL of the following Courses:
- ELTC104A - Basic Industrial Robotics

- W101A - Basic Welding
- W102A - Gas Metal Arc Welding (MIG)
- W103A - Gas Tungsten Arc Welding (TIG)
- W105 - Shielded Metal Arc Welding
- W201 - Structural Welding
- W202A - Pipe Welding
- W206 - Metal Fabrication

Technical-Related Required Electives- 11-12 credits

Complete ANY of the following Courses:
- CAD110 - Introduction to Computer-Aided Drafting
- CAD150 - Blueprint Reading
- ELTC101AL&L - Electricity-Basic
- MET201 - Metallurgy
- MT101B - Basic Machining
- ENGR105 - Introduction to Engineering
- PHYS201CL&L - College Physics I Lecture and Lab

Required Electives- 8-12 credits

Complete ANY of the following Courses:
- ACC201 - Principles of Accounting I
- AMT129A - Introduction to Technology
- BUS125 - Supervision
- BUS161A - Effective Selling
- CAD210 - Parametric Design I-Part Modeling
- CAD250 - Introduction to SolidWorks 3D
- CSS100A - College Success Seminar
- COM201 - Public Speaking
- ELTC150 - Industrial Electricity
- ELTC204A - Advanced Industrial Robotics
- ELTC220 - Electrical Troubleshooting
- HE110 - Industrial Safety and Workplace Training
- HP101 - Hydraulics/Pneumatics
- HP201 - Advanced Hydraulics
- MATH161 - Calculus I
- MATH162A - Calculus II
- MET101 - Industrial Materials
- MET102 - Basic Cast Metals
- TMAT101A - Technical Math I
- TECH290CI - Cooperative Internship
- QC101 - Basic Quality Control

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

General Education Choose 1st course (see Program Requirements for options)

Technical-Related Course

W101A

ENG101

W102A

Winter Semester

General Education Choose 2nd course (see Program Requirements for options)
Technical-Related Course
Required Elective
W103A
W105

Year 2

Fall Semester

General Education Choose 3rd course (see Program Requirements for options)
Technical-Related Course
Required Elective
W202A
W201

Winter Semester

General Education Choose 4th course (see Program Requirements for options)
Technical-Related Course
Required Elective
W206
ELTC104A

WELD_CERT - Welding Technology-Certificate

Overview

Department Title
Welding

Program Description
Welding Technology is a diversified program of skills dealing with the fabrication of metal products from rolled, stamped, forged or cast shapes. The type of metal, position of weldments, and use of structural shapes will be handled in a manner similar to that used in industrial processing. Selection of the proper welding methods, materials and procedures required will provide training in solving realistic problems found in the welding field.

Degree
WELD - Welding Technology

Requirements

Simple Requisites

> **Subplan**
>
> > **Certificate Requirements- 24-26 credits**
> > **Type**
> > Completion Requirement
> >
> > > Certificate Requirements
> > >
> > > **Fulfill ALL of the following requirements:**
> > >
> > > > Complete ALL
> > > >
> > > > **Complete ALL of the following Courses:**
> > > > - CAD150 - Blueprint Reading
> > > > - W101A - Basic Welding
> > > > - W102A - Gas Metal Arc Welding (MIG)
> > > > - W103A - Gas Tungsten Arc Welding (TIG)
> > > > - W105 - Shielded Metal Arc Welding
> > > > - W201 - Structural Welding
> > > > - W202A - Pipe Welding
> > >
> > > ─────── **AND** ───────

> **Complete 1 course**
>
> **Complete exactly 1 course(s) and earn 3 - 5 credits from the following:**
> - TMAT101A - Technical Math I
> - TMAT102A - Technical Math II
> - TMAT201 - Technical Math III
> - MATH109A - College Algebra
> - MATH141 - Precalculus

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

CAD150
W101A
W102A

Winter Semester

W103A
W105
Math

Year 2

Fall Semester

W201
W202A

WINSO_CERT - Wind and Solar Certificate

Overview

Department Title
Tech Related

Program Description
The Wind and Solar Certificate focuses on the installation of wind and solar electric generation equipment designed for use in residential and light commercial environments. This segment of the industry has received statewide acceptance by local communities. As the technology advances payback periods are decreasing thus encouraging increased use of these alternative and renewable power generation technologies.

Degree
WINSO - Wind and Solar

Requirements

Simple Requisites

> **Subplan**
>
> > **Certificate Requirements- 29-31 credits**
> > **Type**
> > Completion Requirement

Certificate Requirements

Fulfill ALL of the following requirements:

Complete ALL

Complete ALL of the following Courses:
- ARE115 - Wind Turbine & Solar Array Installation
- ELTC101AL&L - Electricity-Basic
- ELTC103 - Residential Wiring
- ELTC150 - Industrial Electricity
- ELTC152 - National Electrical Code
- ELTC160L&L - Programmable Controllers
- ELTC220 - Electrical Troubleshooting
- HE110 - Industrial Safety and Workplace Training
- TECH200 - Applied Alternative & Renewable Energy

— AND —

Complete 1 course

Complete exactly 1 course(s) and earn 3 - 5 credits from the following:
- TMAT101A - Technical Math I
- TMAT102A - Technical Math II
- TMAT201 - Technical Math III
- MATH109A - College Algebra
- MATH141 - Precalculus

Additional Comments:

No Requirement Level

Degree Maps

Degree Maps

Year 1

Fall Semester

ELTC101AL&L
HE110
Math

Winter Semester

ELTC103
ELTC150
ELTC160L&L
TECH200

Summer Semester

ELTC152

Year 2

Fall Semester

ELTC220

All Courses

ACC100 - Fundamentals of Accounting

Overview

Department(s)
Accounting

Course Description
This course is an introductory basic bookkeeping and accounting class that emphasizes the accounting cycle. Day-to-day accounting activities are covered, through the preparation of the financial statements and the process of closing the financial records. Upon successful completion of this class, the student will be well prepared to take ACC-201 Principles of Accounting I. This class is the same as BUS-100 - the prefix was changed beginning Fall 2013 semester. (Students having difficulty with BUS-101 may transfer to this class through the end of the add/drop period with no loss of tuition).

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

ACC201 - Principles of Accounting I

Overview

Department(s)
Accounting

Course Description
This course introduces principles of accounting including the accounting cycle with emphasis upon theory and financial statements. Other topics covered include cash, receivables, temporary investments, inventories, plant assets, intangible assets, and payroll. This class is the same as BUS-101 - the prefix and number were changed beginning Fall 2013 semester.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Free Form Requirements

None

ACC202 - Principles of Accounting II

Overview

Department(s)

Accounting

Course Description

A continuation of ACC-201 (formerly BUS-101) covering partnerships, corporations, and manufacturing accounting with emphasis on financial and cost accounting concepts. This class is the same as BUS-102. The prefix and number were changed beginning Fall 2013 semester).

Semester Offering

Fall and Winter

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

4

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Earn a minimum grade of C in the following: • ACC201 - Principles of Accounting I
Additional Comments:

ACC203 - Payroll Accounting

Overview

Department(s)

Business

Course Description

This course covers in detail the accounting and filing requirements for federal payroll taxes. ACC-203 is offered only as an Independent Study course. Contact the Business Department to arrange an Independent Study.

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Complete ALL of the following Courses: • ACC201 - Principles of Accounting I
Additional Comments:

ACC206 - Quick Books Computerized Accounting

Overview

Department(s)

Accounting

Course Description

(Course formerly known as BUS-106) In this hands-on course, you will learn QuickBooks, the accounting software used by most small to medium size businesses and organizations. This course is for everyone who will be entering transactions or using related data for decision making. You will learn to organize QuickBooks features to suit your company as well as how to generate customized financial reports and statements. Entering cash disbursements, cash receipts, accounts receivable, accounts payable, billing, purchasing, inventory, payroll, and general journal are all covered. This course counts as a business elective.

Semester Offering

Winter and Summer

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Complete ANY of the following Courses:
• ACC100 - Fundamentals of Accounting
OR
OR
OR ACC201 - Principles of Accounting I
Additional Comments:
Or Instructor Permission

ACC220 - Federal Taxation I

Overview

Department(s)

Accounting

Course Description

Federal Taxation I is designed to provide students with knowledge of the federal tax code as it relates to individual and business taxation. Students embark on a variety of learning opportunities including hands-on experience working with community organizations to provide tax services to Muskegon residents. The course prepares students for continuing education and career exploration as tax professionals in the private or public industries.

Semester Offering

Winter Semester Only

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

4

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

No Requirements

AH101 - Medical Terminology

Overview

Department(s)

Health Sciences Dept

Course Description

Designed to assist the beginning health student to master new medical terms and modes of communication. With an understanding of basic terms, the student can proceed to build a functional vocabulary while pursuing a career specialty. Basic anatomy and physiology will be an integral part of the course. TEST

Semester Offering

Fall, Winter and Summer

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

No Requirements

AH104 - Medical Insurance Billing

Overview

Department(s)

Health Sciences Dept

Course Description

An introductory course designed to assist the student to quickly identify insurance coverage appropriately and accurately, complete insurance forms and become familiar with billing procedures. The content of this course is relevant to dental and other allied health insurance billing.

Semester Offering

Fall, Winter and Summer

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

2

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

No Requirements

AH106 - Fundamentals of Health Care Delivery

Overview

Department(s)

Health Sciences Dept

Course Description

This course is designed as a general introduction to the health care delivery system. It will prepare the student with the necessary information for (basic) entry into the medical office environment. Topics of discussion will include ethics, law (including the new HIPAA regulatory standards), safety, infection control, patient record keeping, medical transcription, medical reimbursement and managed care.

Semester Offering

Winter Semester Only

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

AH107 - Nurse Aide/Home Health Aide

Overview

Department(s)

Health Sciences Dept

Course Description

AH 107 prepares the student with skills and abilities to function as a home health aide, patient care assistant, or nurse aide. The student must demonstrate the ability to meet the essential functions of the occupation for nurse aides and home health aides. Upon satisfactory completion of this course, the student will be eligible to sit for the Competency Evaluated Nurse Aide examination (CENA). All Nurse Aides must complete an approved training program to be eligible for State Certification Testing and subsequent employment. The Muskegon Community College Nurse Assistant Training Program is approved by the Michigan Department of Licensing and Regulation (DLARA)/Bureau of Health Care Services, Long Term Care Division, and Nurse Aide Certification Program. This program follows the Michigan Competency-Driven Core Curriculum for Nurse Aides (2023 update). The individual who satisfactorily completes this course will be eligible to take the State Nurse Aide Competency Exam and Home Health Care Exam.

Semester Offering

Fall and Winter

Is this course available online?

No

Credits

Credit Hours

Credit Hours

5

Contact Hours

Contact Hours in excess of Credit Hours

4

Requirements

Simple Requisites

Students must be able to meet the following essential functions of the occupation for Certified Nurse Aides/Home Health Aides:

- Communicate effectively with clients, families, health care team members, peers, and faculty.
- Stand and walk for six to eight hours per day.
- Bend, squat, and kneel.
- Assist lifting or moving clients with use of appropriate mobility devices.
- Perform CPR, such as move client to compress chest and manually ventilate client.
- Work with arms fully extended overhead.
- Use hands for grasping, pushing, pulling, and other fine manipulation.
- Demonstrate eye/hand coordination for manipulation of equipment, procedural supplies, etc.
- Possess tactile ability to differentiate changes in sensation.
- Possess auditory acuity to hear normal voice and hear manual blood pressure.
- Possess auditory acuity to hear client's calls for assistance without facing the client.
- Possess auditory acuity to interpret various equipment signals and use the telephone.
- Possess visual acuity to read and distinguish colors, to read handwritten/printed data.
- Possess visual acuity to clearly view electronic monitors and scales to correctly interpret data.

AH111 - Environmental Stressors and Nutrition

Overview

Department(s)
Health Sciences Dept

Course Description
Note: this course is restricted to current Nursing students. This course is designed to provide the student with the theoretical foundation for the clinical application of nutrition principles in relation to stress adaptation throughout the nursing curriculum. The focus of the course is on the identification of the role of nutrients in maintaining man's dynamic equilibrium and the use of therapeutic diets for clients.

Semester Offering
Fall and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Requirements Type**
> Prerequisite
>
> > **Earn a minimum grade of C+ in the following:**
> > - NUR100 - Overview of the Nursing Profession
> >
> > Note: Course restricted to current Nursing students.
>
> **Additional Comments:**

> **Requirements Type**
> Corequisite
>
> > **Earn a minimum grade of C in the following:**
> > - ENG101 - English Composition
> >   **AND** ANTH103 - Cultural Diversity in Contemp. Society
> >   **AND** BIOL152L&L - Human Anatomy
> >   **AND** PSYC201 - General Psychology
>
> **Additional Comments:**

AH196 - Electronic Health Records

Overview

Department(s)
Health Sciences Dept

Course Description
This course introduces students to the electronic health record. Topics include background and history of electronic health records, terminology, gathering patient information, scheduling appointments, recording of examination information, processing lab tests, documentation skills that are transferable. Students will gain conceptual theory and hands on practice that they need to work in today's medical office.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

AH290CI - Cooperative Internship

Credits

Credit Hours

Credit Hours
3

Requirements

Simple Requisites

> testing

AMT129A - Introduction to Technology

Overview

Department(s)
Tech Related

Course Description
This course introduces the student to manufacturing from the Industrial Revolution through current traditional and non-traditional processes, design, blueprint reading, materials, casting processes, quality control, manufacturing systems (JIT, Lean Manufacturing, Rapid Prototyping), automation, process planning (Design for Manufacture, Design for Assembly) and cost analysis. Students will also learn to create documents using word processing and presentation software.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

ANTH103 - Cultural Diversity in Contemp. Society

Overview

Department(s)
Anthropology

Course Description
Cultural Diversity in Contemporary Society is an ethnographic analysis of various cultural groups and regions where they originate. Such groups as African-American, Asian-American, Hispanic-American, and Native American will be the focus. Emphasis will be placed on their cultural similarities and differences. Students will compare such topics as the culture's socialization process, education, gender roles, marriage and family living, religion, health, death and dying, etc.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

ANTH103HON - Anthropology Honor Credit

Overview

Department(s)
Anthropology

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

No Requirements

ANTH105D - Intro to Phys Anthropology/ Archaeology

Overview

Department(s)
Anthropology

Course Description
The course introduces the student to the fields of physical anthropology and archaeology through a study of the evolution of Homo sapiens. Emphasis will be placed upon modern evolutionary theory, the known fossil record, dating methods, primatology, prehistoric hominids and technology, population genetics, human variation, bio-cultural adaptation, and the origins of culture. Potential topics and areas of further exploration include forensic science, archaeological dig sites, anatomy, and prehistoric tools.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

ANTH105DHON - Intro Phys Anthropology & Arch Honors

Overview

Department(s)
Anthropology

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

ANTH110 - Introduction to Cultural Anthropology

Overview

Department(s)
Anthropology

Course Description
Introduces the student to the field of cultural anthropology through a study of language, kinship, technology, political organization, social organization, religion and healing, among other topics. Emphasis will be placed upon an investigation of selected pre-modern groups representative of the world's major cultural regions.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

ANTH110HON - Physical Anthropology-HONORS

Overview

Department(s)
Anthropology

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

ARE115 - Wind Turbine & Solar Array Installation

Overview

Department(s)
Alternative & Renewable Energy

Course Description
The Wind Turbine and Solar Array Installation Lab course uses lecture and lab to specify and install solar arrays for roof-top installations as well as taking down and re-installing a wind turbine. The class is focused on safety, structural integrity, wiring to code, performance evaluation, and customer interaction. Students will have hands-on experience with assembly, installation, and commissioning of these systems.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
1

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Or Instructor Permission

Complete ALL of the following Courses:
- ELTC101AL&L - Electricity-Basic

Additional Comments:

ARE115HON - Alt & Renewable Energy Honors

Overview

Department(s)
Alternative & Renewable Energy

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > Or Instructor Permission
> >
> > **Complete ANY of the following Courses:**
> > - TMAT101A - Technical Math I
> >   **OR** ELTC101AL&L - Electricity-Basic
>
> **Additional Comments:**

> **Corequisite Type**
> Corequisite
>
> > **Complete ALL of the following Courses:**
> > - ARE115 - Wind Turbine & Solar Array Installation
>
> **Additional Comments:**

ART100A - Art Appreciation

Overview

Department(s)
Art

Course Description
An introduction to the visual arts through lecture, projects, and written assignments. Students will explore various themes in art history, learn to analyze and interpret works of art, be exposed to a variety of different kinds of media, and gain an appreciation of the role that visual art plays in society.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

Requirements

Free Form Requirements
None

ART104 - Drawing I

Overview

Department(s)
Art

Course Description
Concentrated attention on drawing as a fine arts medium with study in various subject matter.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

Requirements

Simple Requisites

> testing

ART104HON - Drawing I Honors

Overview

Department(s)
Art

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

ART105B - Two-Dimensional Form and Surface

Overview

Department(s)
Art

Course Description
Two-Dimensional Form and Space is a first-year art course that introduces students to basic design concepts with a focus on how to work with two-dimensional compositional arrangements, illusionary space, depth, and texture. It is a foundation-level requirement in art departments at any transfer school - students considering a major in painting/drawing, printmaking, photography, art education, digital arts, graphic design, or video game design should start with this course. Students learn how to develop strong, imaginative compositions based on the creative process: brainstorming, problem-solving, experimentation with traditional and nontraditional materials and techniques, and the effective use of the language of art (visual elements and design principles as they pertain to two-dimensional images and surfaces).

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

ART106B - Beginning Printmaking: Relief & Monotype

Overview

Department(s)
Art

Course Description
The study of a variety of relief and monotype printmaking techniques.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

ART107 - Painting I

Overview

Department(s)
Art

Course Description
The study of oils or acrylics through diverse subject matter.

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

ART108 - Ceramics I

Overview

Department(s)
Art

Course Description
A study of the nature of clay through hand building, pottery processes, and glazing, stressing skill development and expressive experimentation.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

ART109 - Sculpture I

Overview

Department(s)
Art

Course Description
An introduction to the basic materials and techniques of sculpture.

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

ART117 - Three-Dimensional Form and Space

Overview

Department(s)
Art

Course Description
Three-dimensional Form and Space is a first-year art course that introduces students to basic design concepts with a focus on how to work with actual space, texture, and mass. It is typically a foundation-level requirement in art departments at any transfer school - students considering a major in sculpture, ceramics, glass, jewelry/metals, fiber arts, art education, theatrical set design, film production, architectural design, industrial design, product design, or video game design should start with this course. Students learn how to develop strong, imaginative compositions based on the creative process: brainstorming, problem-solving, experimentation with traditional and nontraditional materials and techniques, and the effective use of the language of art (visual elements and design principles as they pertain to three-dimensional objects and space).

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

ART118 - Beginning Printmaking Intaglio

Overview

Department(s)
Art

Course Description
The study of a variety of intaglio printmaking techniques.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

ART198 - Art History I: Ancient Art - Renaissance

Overview

Department(s)
Art

Course Description
Ancient art to renaissance. A historical survey of art from Ancient times to 1400 tracing the development of styles and the influences of major social, religious, and political events.

Semester Offering
Fall and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

ART199 - Art History II - Renaissance Art/ Modern

Overview

Department(s)

Art

Course Description

Renaissance to modern. A historical survey tracing the development of art from the Renaissance to the present with an emphasis on painting.

Semester Offering

Fall and Winter

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

ART202 - Contemporary Art History

Overview

Department(s)

Art

Course Description

A comprehensive survey of art and art styles of the 20th & 21st centuries. A study of backgrounds and origins of certain current styles, the course draws from examples in painting, sculpture and architecture of America and the world. Changing ideas and trends are analyzed through lecture and discussion.

Semester Offering

Winter Semester Only

Is this course available online?

Yes

ART202HON - Contemporary Art History-Honor

Overview

Department(s)

Art

Semester Offering

Winter Semester Only

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

ART204B - Drawing II (Transfer Portfolio Prep)

Overview

Department(s)

Art

Course Description

A continuation of ART-104, with an emphasis on preparing an art portfolio for the college transfer process, thematic development, concentration on the relationship of form to content and further experimentation in varied media and techniques.

Semester Offering

Winter Semester Only

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

3

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Complete ANY of the following Courses:
- ART104 - Drawing I

Additional Comments:

ART207 - Painting II

Overview

Department(s)
Art

Course Description
Concentration in a particular medium of the student's choice with a study of the nature of that medium through a creative approach to painting problems.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours

3

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Complete ALL of the following Courses:
- ART107 - Painting I

Additional Comments:

ART208 - Ceramics II

Overview

Department(s)
Art

Course Description
A study of traditional pottery processes through concentrated work on the potter's wheel, glazing, and firing experiences.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours

3

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Complete ALL of the following Courses:
- ART108 - Ceramics I

Additional Comments:

ART209 - Sculpture II

Overview

Department(s)
Art

Course Description
A continuation of ART 109, with concentration in materials of individual interest.

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - ART109 - Sculpture I
>
> **Additional Comments:**
> Or Instructor Permission

ART214 - Photography 35MM Black/White

Overview

Department(s)
Art

Course Description
Fundamentals of photography, including cameras, emulsion characteristics, processing, filters, chemistry, and optics. The student must have the use of a 35 mm SLR or viewfinder camera. The student will be expected to buy film and paper as directed by the instructor.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

ART215 - Intermediate Photography

Overview

Department(s)
Art

Course Description
Intermediate Photography is a course in photography that builds on basic camera and black and white darkroom techniques introduced in Principles of Photography, and introduces many new skills and approaches to the photographic medium. More sophisticated compositional skills and aesthetics of both shooting and printing

photographs are developed throughout the course. Alternative darkroom processes are introduced, such as cyanotype, sepia toning, and hand coloring. We will be experimenting outside of the conventions of the 35 mm format with the Holga camera and the pinhole camera. More advanced technical skills such as learning The Zone System, using archival printing and professional presentation are also emphasized.

Semester Offering
Summer Session Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Earn a minimum grade of C in the following:**
> > - ART214 - Photography 35MM Black/White
>
> **Additional Comments:**

ART220 - Figure Drawing

Overview

Department(s)
Art

Course Description
Students will learn how to draw the human figure from observation using a variety of techniques and a range of drawing media.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours

3

Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Complete ALL of the following Courses: • ART104 - Drawing I   OR
Additional Comments:

ART220HON - Figure Drawing - HONORS

Overview

Department(s)

Art

Semester Offering

Fall Semester Only

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

ART240 - Professional Practices in Art

Overview

Department(s)

Art

Course Description

This course will help students develop a professional visual identity by generating business logos, letterhead, a web presence, digital portfolio, and other materials related to the pursuit of an art or design based business. This course covers business related issues involved in any artistic or design based profession including professional artist, gallery owner, museum and gallery curator, art critics, historians, graphic designers, interior designers, game designers, illustrators, and photographers.

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

ART250 - Gallery/Collection Practicum

Overview

Department(s)

Art

Course Description

Students will gain practical experience in art gallery operations and the proper handling and care of artworks. Emphasis is placed on standard concepts and methods of exhibiting art as practiced in the professional art world. Students assist art faculty in the basic operations of the MCC Overbrook Art Gallery and the MCC Art Collection as a ?hands-on learning laboratory. Priority is given to students enrolled in the Visual Art Entrepreneur Degree program.

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

ART290CI - Cooperative Internship

Overview

Department(s)

Art

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in
excess of Credit
Hours
0

Contact Hours

Contact Hours in
excess of Credit
Hours
0

ASL101 - American Sign Language I

Overview

Department(s)
American Sign Language

Course Description
Study the various aspects of American Sign Language including finger spelling, interpreting, sign vocabulary, facial expression, body movement, and grammatical structure. This course is designed for students who are considering pursuing certification in interpreting.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in
excess of Credit
Hours
0

ASL102 - American Sign Language II

Overview

Department(s)
American Sign Language

Course Description
Study the various aspects of American Sign Language including finger spelling, interpreting, sign vocabulary, facial expression, body movement, and grammatical structure. This course is designed for students who would like to pursue certification in interpreting.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Requirements

Simple Requisites

**Prerequisite
Type**
Prerequisite

Complete ALL of the following Courses:
- ASL101 - American Sign Language I

Additional Comments:

ASL102HON - American Sign Language Honors

Overview

Department(s)
American Sign Language

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in
excess of Credit
Hours
0

Requirements

Simple Requisites

**Corequisite
Type**
Corequisite

Enroll in the following Courses:
- ASL102 - American Sign Language II

Additional Comments:

**Prerequisite
Type**
Prerequisite

Complete ALL of the following Courses:

- ASL101 - American Sign Language I

Additional Comments:

Contact Hours

Contact Hours in excess of Credit Hours
0

ASTR101 - General Astronomy

Overview

Department(s)
Astronomy

Course Description
This course is a broad, generally non-mathematical, survey of the science of astronomy. Topics include: historical astronomy, the mechanics and clockwork of the night sky, astronomical instruments, the solar system, stellar evolution, the Milky Way, galaxies, and theories about the origin and evolution of the universe. There will be opportunities for observation of astronomical objects with observatory telescopes.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

ASTR105A - Cosmology

Overview

Department(s)
Astronomy

Course Description
While Astronomy is concerned with the contents of the Universe, Cosmology is the science of the origin, current state and ultimate fate of the universe. In this course, the foundations of modern cosmology are presented from a historical perspective, covering the physical fundamentals, the impact of Einstein's Theories of Relativity on modern cosmologies, and, finally, from the perspective of the most recent astronomical discoveries.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
4

AT114 - Automotive Power Plants - Engine

Overview

Department(s)
Automotive Tech

Course Description
This course includes the proper procedures and machine operations necessary to service completely, overhaul, repair or rebuild the automotive engine. Theory of engine operation and construction are also dealt with.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

AT120 - Introduction to Electrical Systems I

Overview

Department(s)
Automotive Tech

Course Description
A study of fundamentals of electricity, ignition (Electronic Computer Control including DIS), cranking and charging systems. Basic electrical test equipment is also covered.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours

3

Requirements

Simple Requisites

> **Corequisite**
> **Type**
> Corequisite
>
> > **Enroll in the following Courses:**
> > - AT121 - Electrical Systems II
>
> **Additional Comments:**

AT121 - Electrical Systems II

Overview

Department(s)
Automotive Tech

Course Description
Covers testing and servicing of ignition, cranking and charging systems. Includes the use of modern electronic test equipment and industry diagnostic methods.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

3

Requirements

Simple Requisites

> **Corequisite**
> **Type**
> Corequisite
>
> > **Enroll in the following Courses:**
> > - AT120 - Introduction to Electrical Systems I
>
> **Additional Comments:**

AT122 - Fuel Systems and Emission Controls

Overview

Department(s)
Automotive Tech

Course Description
This course will cover a study of fuel systems (including TBI and PFI) and emission controls (including 4 gas analyzer). Diagnosis and service of system components is also covered. The operation of 2-cycle and 4-cycle engine theory is introduced.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

3

Requirements

Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - AT120 - Introduction to Electrical Systems I
> >   **AND** AT121 - Electrical Systems II
>
> **Additional Comments:**

> **Corequisite**
> **Type**
> Corequisite
>
> > **Complete ALL of the following Courses:**
> > - AT123 - Engine Tune Up (drivability)
>
> **Additional Comments:**

AT123 - Engine Tune Up (drivability)

Overview

Department(s)
Automotive Tech

Course Description
A study of the engine accessories included under electrical, ignition and fuel systems. Covers the diagnosis, servicing, and repair of these systems and component parts as related to the entire engine operation in the vehicle.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Complete ALL of the following Courses:
- AT120 - Introduction to Electrical Systems I
  AND AT121 - Electrical Systems II

Additional Comments:

Corequisite Type
Corequisite

Enroll in the following Courses:
- AT122 - Fuel Systems and Emission Controls

Additional Comments:

AT123HON - Electrical-Tune Up Honors

Overview

Department(s)
Automotive Tech

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Complete ALL of the following Courses:
- AT120 - Introduction to Electrical Systems I
  AND AT121 - Electrical Systems II

Additional Comments:

Corequisite Type
Corequisite

Enroll in the following Courses:
- AT123 - Engine Tune Up (drivability)

Additional Comments:

AT140 - Hybrid and Alternative Fuel

Overview

Department(s)
Automotive Tech

Course Description
This class will provide an overview of hybrid and alternative fueled vehicles. Practical manufacturing theory and production methods of both biodiesel and ethanol will be explored. Students will engage in small scale production of both biodiesel and ethanol. Exposure to various alternative powered vehicles will occur as available.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

AT150A - Automotive Brakes

Overview
Department(s)
Automotive Tech

Course Description
This course covers theory, repair, and adjustment of hydraulic and Antilock Braking systems (ABS) brake systems and related machining equipment. Students will learn in this class, through hands on experience, how to diagnose problems with ABS and Electronic Stability Control in addition to rebuild and bleed advanced braking systems. Students have the opportunity to become certified via the State of Michigan test in the area of brakes.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
1

AT160A - Automotive Air Conditioning

Overview
Department(s)
Automotive Tech

Course Description
This course covers theory, repair, and service of the automotive air conditioning system. Air conditioning for both R12 and R134A diagnosis testing and service is covered. Students have the opportunity to become certified via the State of Michigan test in the area of Air Conditioning.

Semester Offering
Summer Session Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
1

AT210 - Power Trains (Manual Drive Trains)

Overview
Department(s)
Automotive Tech

Course Description
This course gives the student experience in theory, diagnosis and repair of automotive drive trains. It includes study of clutches, drive shafts, universal joints, differentials, axles, and manual FWD & RWD transmissions.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
3

AT211 - Automatic Transmissions

Overview
Department(s)
Automotive Tech

Course Description
A study of the theory of operations, hydraulic circuits, gearing adjustments, and repair of automatic transmissions, both FWD & RWD (including electronic controls).

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
3

AT212 - Alignment and Suspension

Overview

Department(s)
Automotive Tech

Course Description
This course covers theory, repair, and adjustment of steering and suspension systems as well as the operation of modern four-wheel alignment and wheel balancing equipment.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

AT214 - Service Management

Overview

Department(s)
Automotive Tech

Course Description
A course covering the responsibilities of a service manager in large and small service garages. Lectures, tours, and outside speakers emphasize industrial practice in customer, mechanic, and management relationships.

Semester Offering
Summer Session Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

AT214HON - At-214 Honors

Overview

Department(s)
Automotive Tech

Semester Offering
Summer Session Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

AT223 - Advanced Engine Performance

Overview

Department(s)
Automotive Tech

Course Description
This course provides a variety of learning and assessment activities students can use to analyze engine mechanical integrity, induction systems, and exhaust systems. Students will have hands on experience in the repair process of these systems. Theory and operation of electronic engine controls includes: alternative fuels, electronic fuel injection, electronic ignitions, on-board diagnostics and current emission systems. Laboratory practice includes proper set-up and use of digital storage oscilloscopes, scan tools, engine analyzer and five-gas emission analyzers.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Complete ALL of the following Courses:
- AT123 - Engine Tune Up (drivability)
Additional Comments:

AT230 - Automotive Service

Overview

Department(s)
Automotive Tech

Course Description
This course is designed to simulate an automotive repair facility. Student will engage in automotive repair projects scheduled to strengthen their knowledge and provide shop experience. Coursework may include visits to local repair facilities to complete the class hours.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
2

BCOM102 - Adv Business & Technical Communications

Overview

Department(s)
Business

Course Description
This course is designed for business and technical students and for people already in the work force who want to become proficient in business and technical communications. Major emphasis is placed on writing effective reports, manuals, instructions, and directions for specific audiences using appropriate style and format. While development of effective writing is the purpose of any English class, no other course concentrates on specific business and technical reporting styles, formats, and techniques. Revision and proofreading skills necessary for appropriate business and technical correspondence are stressed. Lab hours outside of scheduled class time will be necessary.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
1

Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Earn a minimum grade of C in the following:
- ENG101 - English Composition
Additional Comments:

BIOL101BELH - ICS Belize -HONORS

Overview

Department(s)
Biology

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

BIOL103HON - BIOL-103 HONORS

Overview

Department(s)
Biology

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

BIOL105CSUP - BIOL 105C 1 CREDIT LAB

Overview

Department(s)
Biology

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
2

BIOL105LABS - Biol-105labsup

Overview

Department(s)
Biology

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
3

BIOL110LAB - Environmental Science Lab

Overview

Department(s)
Biology

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
3

BIOL115 - Intro to Anatomy and Physiology

Overview

Department(s)
Biology

Course Description
This course is a structural and functional approach to the human body through the study of cell, tissues, and body systems. Emphasis will be placed on cell biology, tissues, and the structure and function of the integumentary, skeletal, muscular, nervous, circulatory, lymphatic, respiratory, digestive, urinary, endocrine, and reproduction systems. While there is no lab component to this course, students will utilize high quality images to study the spatial relationships between anatomical structures.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

BIOL115HON - Intro to Anatomy & Physiology Honors

Overview
Department(s)
Biology

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

BIOL115L - Introduction to Anatomy & Physiology Lab

Overview
Department(s)
Biology

Course Description
This three-hour laboratory course is a lab to accompany Introduction to Anatomy and Physiology lecture (BIOL-115). The lab will present a structural and functional approach to the human body through the study of cells, tissues, and body systems. This course is geared toward students who are applying for allied health programs such as radiology tech, medical assisting, and dental assisting that only require a one semester survey course of anatomy and physiology. Emphasis will be placed on using models and laboratory experiments to explore cell biology, tissues, and the structures and functions of the integumentary, skeletal, muscular, nervous, circulatory, lymphatic, respiratory, digestive, urinary, endocrine, and reproductive systems.

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
2

Requirements
Simple Requisites

Corequisite
Type
Corequisite

Enroll in the following Courses:
- BIOL115 - Intro to Anatomy and Physiology

Must complete BIOL-115 with a minimum grade of C

Additional Comments:

BIOL121HON - Plant Biology Honors

Overview
Department(s)
Biology

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

Requirements
Simple Requisites

Corequisite
Type
Corequisite

Enroll in the following Courses:
- BIOL121L&L - Plant Biology

Additional Comments:

BIOL121LAB - Plant Biology Laboratory

Overview
Department(s)
Biology

Course Description
BIOL-121LAB is a laboratory for the introductory plant biology course that will provide an overview of plants' morphology, physiology, development, and genetics. Also included in this course will be topics on the diversity, taxonomy, systematics, ecology, and evolution of plants.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
2

Requirements

Simple Requisites

Corequisite
Type
Corequisite

Enroll in the following Courses:
- BIOL121LEC - Plant Biology Lecture

Additional Comments:

BIOL121LEC - Plant Biology Lecture

Overview

Department(s)
Biology

Course Description
BIOL-121LEC is an introductory plant biology course that will provide an overview of plants' morphology, physiology, development, and genetics. Also included in this course will be topics on the diversity, taxonomy, systematics, ecology, and evolution of plants.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Corequisite
Type
Corequisite

Enroll in the following Courses:
- BIOL121LAB - Plant Biology Laboratory

Additional Comments:

BIOL152HON - Human Anatomy Honors

Overview

Department(s)
Biology

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

BIOL152LAB - Human Anatomy Lab

Overview

Department(s)
Biology

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
2

BIOL152LEC - Human Anatomy Lecture

Overview
Department(s)
Biology

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
0

BIOL152SUP - Human Anatomy-Supplemental Instruction

Overview
Department(s)
Biology

Course Description
This class will provide support for students who require additional instruction with BIOL-152. This course will be recommended for students seeking to repeat BIOL-152 to help assure their success. One hour a week will be spent reviewing lecture concepts and one hour a week will be spent in the lab reviewing laboratory concepts.

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
1

Requirements
Simple Requisites

> Corequisite

Type
Corequisite

> **Enroll in the following Courses:**
> - BIOL152L&L - Human Anatomy

Additional Comments:

BIOL200 - Introductory Evolution

Overview
Department(s)
Biology

Course Description
This course is a preparatory study of the historical development, the evidence, and the mechanisms of the biological evolution theory. Scientific hypotheses on the origin of organic molecules will also be investigated along with the examples of biological evolution in today's community. This course provides a learning experience on a central unifying concept of biology for non-majors and majors interested in exploring the diversity and similarities among living organisms.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

Requirements
Simple Requisites

> Prerequisite: Complete any 100 level Biology course or higher

BIOL207A - Microbiology Lab

Overview
Department(s)
Biology

Course Description
A general microbiology lab course that includes techniques and experiments for the observation, testing, identification, and understanding of concepts related to microbes of human importance. Includes aspects of microbial culturing using various media, aseptic techniques, slide preparations and staining, techniques to evaluate microbial characteristics and identify microbes, and microbial control.

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
2

Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Earn a minimum grade of C in the following:
- BIOL130L&L - General Biology I
  OR BIOL152L&L - Human Anatomy

Additional Comments:
Or Instructor Permission

Corequisite
Type
Corequisite

Enroll in the following Courses:
- BIOL207LEC - Microbiology Lecture

Additional Comments:

BIOL207LEC - Microbiology Lecture

Overview

Department(s)
Biology

Course Description
A general microbiology lecture course that provides an overview of microbes of primarily human importance. Includes aspects of microbial structure and function, growth, energetics, genetics, human microbiota, infection and disease processes, human lines of defense against pathogens, antimicrobial control and resistance, and infectious diseases.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Earn a minimum grade of C in the following:
- BIOL130L&L - General Biology I
  OR BIOL152L&L - Human Anatomy

Or Instructor Permission

Additional Comments:

Corequisite
Type
Corequisite

Enroll in the following Courses:
- BIOL207A - Microbiology Lab

Additional Comments:

BIOL207LECH - Microbiology-Honors

Overview

Department(s)
Biology

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

BIOL280 - Applied Research in Biology 1

Overview

Department(s)
Biology

Course Description
This lecture/lab course will focus on preparing students to conduct group research projects in a biology-based laboratory setting. The lecture part of the course will provide students the opportunity to learn how to define a research question, formulate a relevant hypothesis, search the literature to gather information related to their research question and hypothesis, analyze scientific literature, prepare a research proposal, analyze and present data, and write a lab report. The research proposal will describe the background, methods, and predicted results of the research they will be conducting in the lab part of the course. The lab portion of the course will teach students biological laboratory skills and techniques that they will use when conducting their research project, including but not limited to genetic analysis techniques, microbiological techniques, preparation of solutions, pipetting, using instrumentation, and lab safety. A significant part of the lab experience will be focused on data collection related to student research projects . Research topics may vary each semester.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
2

Requirements

Simple Requisites

C or better grade in a college biology course or instructor permission.

BIOL281 - Applied Research in Biology II

Overview

Department(s)
Biology

Course Description
This lecture/lab course will focus on preparing students to conduct group research projects in a biology-based laboratory setting. The lecture part of the course will provide students the opportunity to learn how to define a research question, formulate a relevant hypothesis, search the literature to gather information related to their research question and hypothesis, analyze scientific literature, prepare a research proposal, analyze and present data, and write a lab report. The research proposal will describe the background, methods, and predicted results of the research they will be conducting in the lab part of the course. The lab portion of the course will teach students biological laboratory skills and techniques that they will use when conducting their research project, including but not limited to genetic analysis techniques, microbiological techniques, preparation of solutions, pipetting, using instrumentation, and lab safety. A significant part of the lab experience will be focused on data collection related to student research projects. Research topics may vary each semester. Students that have completed Biology 280 and would like another research experience will enroll in this course.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
2

Requirements

Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>
> > **Earn a minimum grade of C in the following:**
> > - BIOL280 - Applied Research in Biology 1
>
> **Additional Comments:**

BIOL281HON - Applied Research-Honors

Overview

Department(s)
Biology

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

BIOL297ARM - Research Methods in Biology

Overview
Department(s)
Biology

Course Description
This course provides hands-on, laboratory experience in biological research, guiding students through the entire research process from developing research questions to conducting experiments and presenting findings. Students will build foundational lab skills, design and refine experiments, collect and analyze data, and communicate their results through written proposals and presentations. The course emphasizes critical thinking, troubleshooting, and scientific communication, preparing students for future research or professional applications in biology. Topics will include but are not limited to molecular biology, synthetic biology, biotechnology, ecology, and cell/tissue culture, or a combination of topics. The course will include lecture instruction on proposal writing, literature review, experimental design, peer review, and proposal presentation, as well as lab-based research tied to the students' proposals.

Credits
Credit Hours

Credit Hours
4

BIOL299BE - Biological Evolution

Overview
Department(s)
Biology

Is this course available online?
No

Credits
Credit Hours

Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

BIOL299M - Anatomy & Physiology Lecture

Overview
Department(s)
Biology

Is this course available online?
No

Credits
Credit Hours

Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
0

BIOL106L&L - Anatomy and Physiology II

Overview
Department(s)
Biology

Course Description
This laboratory course is a continuation of BIOL-105L&L for students in nursing and other health-related fields that require an intensive study of the anatomy and physiology of the human organism. Emphasis is on the skeletal, muscular, nervous, digestive, cardiovascular, respiratory, urinary, endocrine and reproductive systems.

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits
Credit Hours

Credit Hours
4

Contact Hours
Contact Hours in excess of Credit Hours
2

Requirements
Simple Requisites

Prerequisite Type
Prerequisite

Complete ALL of the following Courses:
No selection provided

BIOL-105C and BIOL-105LEC or BIOL-105L&L with minimum grade of C

Additional Comments:

BIOL106L&LH - Anatomy & Physiology II Honors

Overview

Department(s)
Biology

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

BIOL109L&L - Food Technology

Overview

Department(s)
Biology

Course Description
This laboratory course is a study of chemical, biological, and physical principles as they pertain to food preparation, processing and, production. Students apply and study the concepts in a food preparation laboratory.

Semester Offering
Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

BIOL113L&L - Introductory Biology

Overview

Department(s)
Biology

Course Description
Introductory course for non-science majors designed to provide a biological literacy and a survey of broad biological concepts. Topics include organization of living things, energy transformations, homeostasis, genetics, evolution, and classification of living organisms. The laboratory portion will provide opportunities for practicing the process of science.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
3

BIOL121L&L - Plant Biology

Overview

Department(s)
Biology

Course Description
BIOL 121L&L is an introductory course intended for students interested in botany, horticulture, plant ecology, agriculture, or other related fields. This lecture and laboratory course provides an overview of plant anatomy, physiology, development, and genetics. Also included in this course will be topics on the diversity, taxonomy, systematics, ecology, and evolution of plants. The laboratory portion of the course uses a variety of techniques including microscopy, dissection, growing and propagating plants, measuring physiological processes, taxonomy, and sampling natural plant communities.

Semester Offering
Winter Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
2

BIOL130L&L - General Biology I

Overview

Department(s)
Biology

Course Description
This course is an introductory biology course designed for the science major and as a prerequisite for advanced biology courses. The topics covered include cellular and molecular biology. This course will provide an introduction to cell structure and function, metabolism, growth and development, and molecular basis of inheritance. The laboratory portion is designed to enhance the lecture material with an emphasis on the process of science.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
3

Requirements

Simple Requisites

Students should have completed high school biology and chemistry.

BIOL131L&L - General Biology II

Overview

Department(s)
Biology

Course Description
This second-semester general biology course is designed for the science major and as a prerequisite for advanced biology courses. Students will be introduced to the diversity of living organisms with an emphasis on fundamental biological processes operating at the scale of individual organisms. The laboratory portion of the course is designed to enhance lecture material with an emphasis on the process of science, experimental design, quantitative analysis of data, and scientific communication.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
3

Requirements

Simple Requisites

Student should have completed high school biology and chemistry. Note: BIOL 130 is no longer a prereq. to BIOL 131.

BIOL152L&L - Human Anatomy

Overview

Department(s)
Biology

Course Description
BIOL-152L&L is an introductory course intended for students pursuing majors in allied health and medical fields. The course will introduce the structures of human anatomy with clinical correlations included where appropriate. The lecture portion will provide a detailed overview of microscopic and gross anatomy. The laboratory portion will focus on cell biology, histology and anatomy of the integumentary, skeletal, muscular, nervous, digestive, lymphatic, cardiovascular, respiratory, urinary, endocrine and reproductive systems. This is the first of a two-semester sequence in human anatomy and physiology. Upon completion of BIOL-152L&L with a C or higher, students may enroll in BIOL-252L&L, Human Physiology.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
2

BIOL252L&L - Human Physiology

Overview

Department(s)
Biology

Course Description
This will focus on the fundamental mechanisms of human physiology, with an emphasis on normal function; clinical correlations will be included where appropriate. The lecture portion will provide a detailed overview of body system function with respect to regulation and control mechanisms, especially cellular mechanisms. The laboratory portion will focus on the collection and analysis of

system-based physiologic data using digital recording systems. Student designed experiments and literature reviews will be an integral part of the laboratory experience.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits
Credit Hours
Credit Hours
4

Contact Hours
Contact Hours in excess of Credit Hours
2

Requirements
Simple Requisites

Prerequisite Type
Prerequisite
Earn a minimum grade of C in the following: • BIOL152L&L - Human Anatomy
Additional Comments:

BIOL252L&LH - Human Physiology-Honors
Overview
Department(s)
Biology

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

BIOL299HRB2 - Herbarium Digitization
Overview
Department(s)
Biology

Is this course available online?
No

Credits
Credit Hours
Credit Hours
2

Contact Hours
Contact Hours in excess of Credit Hours
0

BUS108 - Introduction to Project Management
Overview
Department(s)
Business

Course Description
This course provides a basic foundation of knowledge from which processes and procedures can be learned and developed for management of projects. It also describes Project Management tools that can used to effectively create and manage various types of planning and scheduling activities that are required for completion of a project. Upon completion, students will be prepared to take the Project Management Professional(PMP)certification exam.

Semester Offering
Winter Semester Only

Is this course available online?
Yes

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
0

BUS114 - Personal Finance
Overview
Department(s)
Business

Course Description
This course is oriented to the practical needs of the citizen-wage-earning-consumer. This course will consider the structure of the American economic system, the impact of government on this system, and prudent economic management of the individual's finances, such as insurance, budgeting and the use of credit. This course is designed for the student's personal needs in today's society.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
0

BUS121 - Introduction to Business

Overview
Department(s)
Business

Course Description
This is a general course in business principles, problems, and practices, which provides an understanding of the operation of the American Business System and its place in the economy. Information concerning more effective use of business services in personal affairs is included as well as preparation for future business courses.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
0

BUS122 - Principles of Management

Overview
Department(s)
Business

Course Description
A study of the managerial functions of planning, organizing, staffing, directing, and controlling with analysis of the on-going process; knowledge which a manager must have in order to achieve coordination for the attainment of company objectives.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
0

BUS122HON - Prin of Management Honors

Overview
Department(s)
Business

Credits
Credit Hours
Credit Hours
1

BUS123 - Business Law I

Overview
Department(s)
Business

Course Description
This course is a study of the Uniform Commercial Code Text and of the general laws applicable to business covering law and society contracts, agency and employment, commercial paper, personal property, bailments, and sales.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

BUS125 - Supervision

Overview

Department(s)

Business

Course Description

A review of basic leadership skills needed to effectively supervise people with emphasis on communications, human relations, and the supervisor's role in employee recruitment, selection, training, and evaluations. Role-playing and other participation methods will be used.

Semester Offering

Fall and Winter

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

BUS126 - Business Mathematics

Overview

Department(s)

Business

Course Description

This course covers a review of basic computational skills, percentages, inventories, depreciation, and other financial applications. The course is designed to increase competence in fundamental mathematical skills which apply to business.

Semester Offering

Fall, Winter and Summer

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

BUS127 - Human Relations

Overview

Department(s)

Business

Course Description

A study of the problems of working with people in a business environment. The focus is on dealing positively with employee morale, motivation, leadership, group behavior, personality, productivity, hiring, and training.

Semester Offering

Fall, Winter and Summer

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

BUS131 - Intro to Entrepreneurship

Overview

Department(s)

Business

Course Description

This is the first course in the Entrepreneur degree program?s core set of classes. It is open to all students interested in learning about the advantages and challenges of starting a business. Students research the definition of entrepreneur, explore how to identify business ideas, and examine the preparation, time commitments, personal skills, and resources needed for a successful business startup. They will develop and evaluate their own business ideas. Successful entrepreneurs from the community will guest lecture to add their expertise and insights.

Semester Offering

Fall and Winter

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

BUS161A - Effective Selling

Overview

Department(s)

Business

Course Description

This course includes an analysis of the sales transaction with classroom sales demonstrations. Attention is given to topics such as: consumer characteristics, buying motives, product performance, sales aids, overcoming customer objections, and closing the sale.

Semester Offering

Fall and Winter

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

BUS162 - Principles of Retailing

Overview

Department(s)

Business

Course Description

A survey of past and present retailing practices and procedures. Retail management methods are studied, along with retail store locations and layout, equipment, display advertising, personnel policies, maintenance, inventory and cost control.

Semester Offering

Winter Semester Only

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

BUS166 - Quality Customer Service

Overview

Department(s)

Business

Course Description

A course in understanding what customer service is and how to implement it into today's organization.

Semester Offering

Fall and Winter

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

BUS167 - Professionalism in Your Career

Overview

Department(s)

Business

Course Description

This course is designed to professionally prepare students for their careers. The course is geared to prepare students to interview, develop a professional attitude along with etiquette skills, assess and develop conflict management and collaboration practices, and formulate a plan for lifelong learning so they may maintain their competitive advantage in the workplace.

Semester Offering

Fall, Winter and Summer

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > * ENG101 - English Composition
>
> **Additional Comments:**

BUS179 - Keyboarding

Overview

Department(s)
Business

Course Description
This course is designed for the student with no previous formal typing instruction. A student with a typing speed of 20-25 wpm should enroll in BUS 181C. This course develops basic alpha and numeric touch keyboarding skills for persons who will be using computer terminals for processing information. This is an OSE LAB course.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

BUS180D - Introduction to Word Processing-Part I

Overview

Department(s)
Business

Course Description
Before enrolling in this course, you must demonstrate that you are ready to succeed. This course is designed for the person who types 25-35 words per minute and has basic computer skills. Introductory and intermediate word processing features and concepts are taught, as well as document formatting. Through extensive hands-on training, students will be given the opportunity to become proficient with Microsoft Word. A grade of "C" or better required to advance.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Complete ANY of the following Courses:**
> > * CIS100 - Introduction to PC's-Windows
> >   **OR** CIS110 - Computer Concepts
> >   **OR** CIS120A - Intro to Computer Information Systems
>
> **Additional Comments:**

> **Corequisite Type**
> Corequisite
>
> > **Enroll in the following Courses:**
> > * BUS181C - Office Procedures I-Document Formatting
>
> **Additional Comments:**

BUS181C - Office Procedures I-Document Formatting

Overview

Department(s)
Business

Course Description
This course is designed for the person who has had no formal training in formatting business documents, has minimal word processing skills, and types 25-35 words per minute. The purpose of this course is to develop correct techniques and basic keyboarding skills to increase speed and accuracy. The major portion of the course covers correct formatting procedures for business correspondence, reports, and tables using Microsoft Word. Recommended for all persons regardless of major. A grade of "C" or better required to advance.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Corequisite**
> **Type**
> Corequisite
>
> > **Enroll in the following Courses:**
> > - BUS180D - Introduction to Word Processing-Part I
>
> **Additional Comments:**

BUS182C - Office Procedures II-Document Production

Overview

Department(s)
Business

Course Description
This course has two major objectives: to provide the student with skill-building opportunities through the use of specially designed software and to allow the student to integrate word processing and document formatting skills while improving production speed and accuracy. A grade of C or better required to advance.

Semester Offering
Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>
> > **Earn a minimum grade of C in the following:**
> > - BUS180D - Introduction to Word Processing-Part I
> >   **AND** BUS181C - Office Procedures I-Document Formatting
>
> **Additional Comments:**

BUS195 - Medical Records Management

Overview

Department(s)
Business

Course Description
This three-credit course uses the Medisoft patient accounting software package that is in use in thousands of medical offices across the country. The student will learn how to use the basic features of the software including: inputting patient information, processing patient transactions, producing various reports, printing statements, and scheduling appointments. The course also covers the theory and procedures for the medical billing process.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

BUS200 - International Business

Overview

Department(s)
Business

Course Description
This is an introductory course designed to help students become familiar with, understand, and appreciate people from different cultures to promote a more effective basis for working together in the business world. Emphasis and application are placed upon business etiquette and business practice as they differ in various cultures. The course will explore reasons companies choose to enter the international market. Students will learn how companies use various strategic marketing approaches and government resources to expand their operations into the international market.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

BUS204 - eMarketing

Overview

Department(s)
Business

Course Description
The course provides students with a framework of knowledge required to design and implement an effective digital (electronic) marketing strategy either independent of or in conjunction with traditional marketing tools. Students will understand key marketing principles related to website creation, email, social media, video, domain selection, internationalization, online copywriting, analytics and other new media concepts. Students will combine these concepts with an evaluation of legal and ethical concerns about e-Marketing to formulate and assess electronic marketing plans. The course will include the creation of an eMarketing portfolio as part of a comprehensive semester long project.

Semester Offering
Winter Semester Only

Credits

Credit Hours

Credit Hours
3

BUS220 - E-Business

Overview

Department(s)
Business

Course Description
This course provides an overview of the aspects and opportunities of doing business on the Internet, by examining how e-business strategies differ from those of a land-only based business. Topics include the history of business on the Internet, viability of a business using the Internet, what makes an effective e-business web site, opportunities for e-business in international markets, cultural and technical considerations of international e-business, mobile e-business, technology, marketing, payments, safety, security, customer service, regulation, ethics, intellectual property, and other current issues facing businesses using the Internet. As part of this class students will create a functional e-commerce store front.

Semester Offering
Fall Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

BUS222 - Fundamentals of Organizational Behavior

Overview

Department(s)
Business

Course Description
Organizational Behavior will revolve around the seven major competencies essential to managing an organization. Managing self, managing communication, managing diversity, managing ethics, managing across cultures, managing teams, and managing change.

Semester Offering
Winter Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Complete ALL of the following Courses: • BUS122 - Principles of Management
Additional Comments:

BUS223 - Starting Your Business Plan

Overview

Department(s)

Business

Course Description

This hands-on course will help students learn about key finance and marketing concepts and how they apply to starting/running their own business. Students will identify their business idea and learn how to create and communicate the necessary marketing data and financial statements to support loan applications, start, and manage their business.

Semester Offering

Fall and Winter

Credits

Credit Hours

Credit Hours

4

BUS240 - Entrepreneurship Capstone

Overview

Department(s)

Business

Course Description

This is the final class of the entrepreneur core requirements. Students will research and create a written operations plan for their new business. They will integrate their marketing, human resources, and financial plans from prior entrepreneurship program courses with their operational plan, into one comprehensive business plan. Students will practice communicating about their business in formal and social media environments. Finalized business plans will be presented to faculty, financial experts, and/ or entrepreneurs. Students may compete in local or national business plan competitions.

Semester Offering

Winter Semester Only

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Complete ALL of the following Courses: • BUS223 - Starting Your Business Plan
Additional Comments:

BUS260 - Principles of Marketing

Overview

Department(s)

Business

Course Description

The study of the task and importance of marketing, the movement of goods from producer to consumer, channels of distribution, marketing functions and institutions, the ultimate consumer, the industrial consumer, and the retailing and wholesaling systems.

Semester Offering

Fall and Winter

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Corequisite

Type
Corequisite

> **Enroll in the following Courses:**
> - BUS121 - Introduction to Business
>
> OR Sophomore standing

Additional Comments:

BUS262 - Social Media

Overview

Department(s)
Business

Course Description
Students explore emerging social media technologies and processes and study their application in a variety of contemporary settings. Students will learn how to use and author content for such online tools such as blogs, microblogs, collaboration mechanisms, podcasts, RSS-feeds, video, bookmarking, and other emerging web technologies. The course will also study how to use these technologies to monitor conversations on the Internet, engage online communities, identify influencers, and establish thought leadership.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> **Complete ALL of the following Courses:**
> - CIS110 - Computer Concepts
>   **OR** CIS120A - Intro to Computer Information Systems
> - ENG101 - English Composition

Additional Comments:

BUS263 - Advertising Dynamics

Overview

Department(s)
Business

Course Description
This course presents methods and techniques in modern advertising strategy, providing information to prepare an entire advertising campaign including selection of media, copywriting and advertising decision-making.

Semester Offering
Fall Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

BUS266 - Quality Customer Service II

Overview

Department(s)
Business

Course Description
Measurement, Plan, and Action. This course will take the basic concepts of Customer Service taught in BUS 166 and allow students to measure the outcome that it has on customers. With the results of these surveys, individuals will then be able to formulate a customer service plan and then put this plan into action.

Semester Offering
Winter Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Complete ALL of the following Courses: • BUS166 - Quality Customer Service
Additional Comments:

BUS273A - Human Resource Management

Overview

Department(s)

Business

Course Description

Overview of personnel relationships in a business institution covering areas of recruiting, selecting, training, evaluating, motivating, and rewarding of employees and the process involved in the accomplishments of such objectives.

Semester Offering

Winter Semester Only

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

BUS280C - Word Processing - Part II

Overview

Department(s)

Business

Course Description

This course builds on the skills and concepts learned in the introductory course. Advanced features are covered. BUS 280C is a hands-on course and provides students the opportunity to be well prepared for Microsoft Office Word Certification.

Semester Offering

Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Earn a minimum grade of C in the following: • BUS180D - Introduction to Word Processing-Part I   **AND** BUS182C - Office Procedures II-Document Production
Additional Comments:

BUS290CI - Cooperative Internship Program

Overview

Department(s)

Business

Course Description

The Cooperative Internship Program is a paid or non-paid field work experience in business and/or industry within the student's major area of study. Variable credit may be earned dependent upon the number of work hours available from the employing organization. A student may sign up for as many internships as desired; however, the number of credit hours which can be applied toward a degree/ certificate depends on the student's course of study and departmental requirements. The maximum number of hours of cooperative internship is 12 credit hours depending upon the program. This course is offered on a pass/ no pass basis.

Semester Offering

Fall, Winter and Summer

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Complete ALL of the following Courses:
- ENG101 - English Composition

and Instructor Permission

Additional Comments:

BUS290CI1 - Cooperative Internship

Overview

Department(s)
Business

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

BUS290CI2 - Cooperative Internship

Overview

Department(s)
Business

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Complete ALL of the following Courses:
- BCOM102 - Adv Business & Technical Communications

Additional Comments:

BUS290CI4 - Cooperative Internship

Overview

Department(s)
Business

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

CAD110 - Introduction to Computer-Aided Drafting

Overview

Department(s)
Computer-Aided Drafting/Design

Course Description
This course is an introduction to basic computer aided drafting using AutoCAD TM. Basic2D CAD drafting skills will be the primary focus of this course.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

CAD150 - Blueprint Reading

Overview

Department(s)
Computer-Aided Drafting/Design

Course Description
This course is designed to teach students how to read and interpret engineering drawings.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
1

CAD151 - Geometric Dimensioning & Tolerancing

Overview

Department(s)
Computer-Aided Drafting/Design

Course Description
This course is designed to teach how to read, interpret, and apply geometric dimensioning and tolerancing per ANSIY14.5M standards.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Requirements

Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - CAD150 - Blueprint Reading
>
> **Additional Comments:**

CAD210 - Parametric Design I-Part Modeling

Overview

Department(s)
Computer-Aided Drafting/Design

Course Description
This course is an introduction to 3-D modeling and parametric design. Working and presentation drawings will be produced, and rendering fundamentals will be presented.

Semester Offering
Winter Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

Requirements

Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>
> > **Earn a minimum grade of C- in the following:**
> > - CAD110 - Introduction to Computer-Aided Drafting
>
> **Additional Comments:**

CAD250 - Introduction to SolidWorks 3D

Overview

Department(s)
Computer-Aided Drafting/Design

Course Description
This course is an introduction to 3D modeling and parametric design using SolidWorks. Working and presentation drawings will be produced, and rendering fundamentals will be presented.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
>> **Earn a minimum grade of C- in the following:**
>> - CAD110 - Introduction to Computer-Aided Drafting
>
> **Additional Comments:**

CAD254 - Solidworks II

Overview

Department(s)
Computer-Aided Drafting/Design

Course Description
This course is for the student who has completed the introductory course to SolidWorks. This will further advance the student understanding of parametric design. This course covers advanced part modeling concepts and multiple part assemblies. This includes Sheet Metal Design, Design Tables, Weldments, Surface Modeling, and Mold Designs. Rendering, animation, and simulation fundamentals will be presented.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
2

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
>> **Earn a minimum grade of C- in the following:**
>> - CAD250 - Introduction to SolidWorks 3D
>
> **Additional Comments:**

CAD255 - Introduction to Siemens Nx

Overview

Department(s)
Computer-Aided Drafting/Design

Course Description
This course is designed for the student that has mastered two-dimensional CAD drawing. The student will be introduced to feature based 3D parametric solid modeling using the NX software. The course covers all major environments of NX with a thorough explanation of all tools, options, and their applications to create real-world products.

Semester Offering
Winter Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

Requirements

Simple Requisites

> **Prerequisite**

Type
Prerequisite

> **Earn a minimum grade of C- in the following:**
> - CAD110 - Introduction to Computer-Aided Drafting

Additional Comments:

CAD260 - CAD CAPSTONE

Overview

Department(s)
Computer-Aided Drafting/Design

Course Description
This capstone course will require the students to work in groups using project management methodology to complete projects in two main areas Design of products and Design of tooling and fixtures.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
2

Requirements

Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>
> **Earn a minimum grade of undefined in the following:**
> - CAD210 - Parametric Design I-Part Modeling
>   **OR** CAD250 - Introduction to SolidWorks 3D
>
> **Additional Comments:**

CAD297SW - Parametric Design-Solidworks

Overview

Department(s)
Computer-Aided Drafting/Design

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

CECDLTRDRIV - Commercial Truck Driver Training

Overview

Is this course available online?
No

Credits

Credit Hours

Credit Hours
0

Contact Hours

Contact Hours in excess of Credit Hours
0

CHEM100A - Chemistry Fundamentals Lab

Overview

Department(s)
Chemistry

Course Description
Laboratory theory and practice of topics included in CHEM 100.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
2

Requirements

Simple Requisites

Recommended Prereq.: MATH-098, or higher, with a minimum grade of "C" or higher, OR completion of Algebra II from high school with a grade of "C" or better.

Corequisite Type

Corequisite

Enroll in the following Courses:
- CHEM100LEC - Chemistry Fundamentals - Lecture

Additional Comments:

CHEM100HON - Chemistry-Fundamentals

Overview

Department(s)

Chemistry

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

CHEM100LEC - Chemistry Fundamentals - Lecture

Overview

Department(s)

Chemistry

Course Description

A course emphasizing fundamentals, symbols, formulae, nomenclature, oxidation states, atomic structure, the periodic law, writing and balancing equations, stoichiometry, solutions, and gas law problems.

Semester Offering

Fall, Winter and Summer

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

4

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Recommended Prereq.: MATH-098, or higher, with a grade of "C" or better, OR completion of Algebra II from high school with a grade of "C" or better.

Corequisite Type

Corequisite

Enroll in the following Courses:
- CHEM100A - Chemistry Fundamentals Lab

Additional Comments:

CHEM100LECH - Chemistry Fundamentals Lec - Honors

Overview

Department(s)

Chemistry

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

CHEM101A - General and Inorganic Chemistry Lab

Overview

Department(s)

Chemistry

Course Description

Laboratory theory and practice of topics included in CHEM 101.

Semester Offering

Fall and Winter

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
2

Requirements

Simple Requisites

Corequisite lecture
Type
Completion Requirement

Corequisite lecture

Students must also take the lecture course

Enroll in the following Courses:
- CHEM101LEC - General and Inorganic Chemistry Lecture

Additional Comments:

CHEM101HON - Chemistry 101-HONORS

Overview

Department(s)
Chemistry

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

CHEM101LEC - General and Inorganic Chemistry Lecture

Overview

Department(s)
Chemistry

Course Description
Course topics are: the physical states of matter, structure of matter, bonding, quantitative relationships involving mass and energy, solutions, ideal and real gases, gas mixtures, oxidation-reduction, and elementary thermodynamics.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Corequisite
Type
Corequisite

Lab

Student must take lab with the lecture

Enroll in the following Courses:
- CHEM101A - General and Inorganic Chemistry Lab

Additional Comments:

CHEM101LECH - General & Inorganic Chem Lecture Honors

Overview

Department(s)
Chemistry

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

CHEM101SUP - Chemistry 101 Fundamentals

Overview

Department(s)
Chemistry

Course Description
This class will allow students to complete CHEM-101LEC/101A without having to demonstrate previous enrollment in high school or CHEM-100 chemistry courses. This is an accelerated option to help students who need higher level Chemistry to take the first two years of college Chemistry at MCC. This course is also designed to provide supplemental instruction to students who have been away from chemistry sometime and/or need additional instruction with their first college chemistry course. This course is taken concurrently with CHEM-101LEC and CHEM-101A.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Corequisite**
> **Type**
> Corequisite
>
> > **Enroll in the following Courses:**
> > - CHEM101A - General and Inorganic Chemistry Lab
>
> **Additional Comments:**

CHEM102A - General and Inorganic Chemistry-Lab

Overview

Department(s)
Chemistry

Course Description
Course divided between elementary qualitative analysis and laboratory theory and practice of topics covered in CHEM 102 LEC.

Semester Offering
Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
2

Requirements

Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - CHEM101LEC - General and Inorganic Chemistry Lecture
> > **AND** CHEM101A - General and Inorganic Chemistry Lab
>
> **Additional Comments:**

> **Corequiste**
> **Type**
> Corequisite
>
> > **Enroll in the following Courses:**
> > - CHEM102LEC - General and Inorganic Chemistry-Lecture
>
> **Additional Comments:**

CHEM102HON - Chemistry 102-HONORS

Overview

Department(s)
Chemistry

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

CHEM102LEC - General and Inorganic Chemistry-Lecture

Overview

Department(s)
Chemistry

Course Description
Topics of the course are kinetics, chemical equilibrium, acid-base chemistry, nuclear chemistry, electrochemistry, some introductory organic chemistry as well as advanced topics from thermodynamics (including entropy, spontaneity and free energy). Successful completion of CHEM-102A is required for transfer credit in CHEM-102.

Semester Offering
Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - CHEM101LEC - General and Inorganic Chemistry Lecture
> >   **AND** CHEM101A - General and Inorganic Chemistry Lab
>
> **Additional Comments:**

> **Corequisite**
> **Type**
> Corequisite
>
> > **Enroll in the following Courses:**
> > - CHEM102A - General and Inorganic Chemistry-Lab
>
> **Additional Comments:**

CHEM109A - Chemistry for Health Science Lab

Overview

Department(s)
Chemistry

Course Description
An introductory, one semester laboratory course in chemistry. This is the lab component of Chemistry 109 for non-science majors and some students going into specific health programs which do not require general Chemistry 101 and 102. The course is designed to provide students insight into the chemical sciences, technology, and the environment. Conversions, atomic structure, bonding, the periodic table, chemical reactions, energy, organic chemistry, nuclear chemistry, acids and bases, carbohydrates and lipids (biochemistry) are covered. This course is not equivalent to a two semester general, organic, biochemistry course.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
2

Requirements

Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>
> > **Earn a minimum grade of C in the following:**
> > - MATH100NRT - Math for Health Science
> >   **OR** MATH109A - College Algebra
> >   **OR** MATH115A - Probability and Statistics
>
> **Additional Comments:**

> **Corequisite**
> **Type**
> Corequisite
>
> > **Enroll in the following Courses:**
> > - CHEM109LEC - Chemistry for Health Science
>
> **Additional Comments:**

CHEM109HON - Chemistry Health Science Honor

Overview

Department(s)
Chemistry

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

CHEM109LEC - Chemistry for Health Science

Overview

Department(s)
Chemistry

Course Description
This is a chemistry course for non-science majors and some students going into specific health programs which do not require general Chemistry 101 and 102. The course is designed to provide students insight into the chemical sciences, technology, and the environment. Conversions, atomic structure, bonding, the periodic table, chemical reactions, energy, organic chemistry, nuclear chemistry, acids and bases, carbohydrates and lipids (biochemistry) are covered. This course is not equivalent to a two semester general, organic, biochemistry course.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>
> > **Earn a minimum grade of C in the following:**
> > - MATH100NRT - Math for Health Science
> >   **OR** MATH109A - College Algebra
> >   **OR** MATH115A - Probability and Statistics

> Or Instructor Permission

Additional Comments:

> **Corequisite**
> **Type**
> Corequisite
>
> > **Enroll in the following Courses:**
> > - CHEM109A - Chemistry for Health Science Lab
>
> **Additional Comments:**

CHEM201E - Organic Chemistry I - Lecture

Overview

Department(s)
Chemistry

Course Description
Course covers the nomenclature, preparation, properties and reactions of saturated and unsaturated hydrocarbons, aldehydes, ketones, acids, and their derivatives. Stereochemistry and IR, ultraviolet spectroscopy are also introduced.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - CHEM102LEC - General and Inorganic Chemistry-Lecture
> >   **AND** CHEM102A - General and Inorganic Chemistry-Lab
>
> **Additional Comments:**

> **Corequisite**
> **Type**
> Corequisite

> **Enroll in the following Courses:**
> - CHEM201F - Organic Chemistry I - Lab
>
> **Additional Comments:**

CHEM201F - Organic Chemistry I - Lab

Overview

Department(s)
Chemistry

Course Description
Laboratory work includes the synthesis of compounds representing typical reactions, together with study of the chemical and physical properties and IR spectra of the substances prepared. Both macro and micro scale techniques are employed.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
3

Requirements

Simple Requisites

> **Corequisite**
> **Type**
> Corequisite
>
> > **Enroll in the following Courses:**
> > - CHEM201E - Organic Chemistry I - Lecture
>
> **Additional Comments:**

CHEM202F - Organic Chemistry-Lecture

Overview

Department(s)
Chemistry

Course Description
A continuation of CHEM 201. Course covers nomenclature, preparation, properties and reactions of aromatic hydrocarbons, phenols, organic nitrogen and sulfur-containing compounds, carbohydrates, proteins and synthetic polymers. Nuclear magnetic resonance spectroscopy are also introduced.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - CHEM201E - Organic Chemistry I - Lecture
> >   **AND** CHEM201F - Organic Chemistry I - Lab
>
> **Additional Comments:**

> **Corequisite**
> **Type**
> Corequisite
>
> > **Enroll in the following Courses:**
> > - CHEM202G - Organic Chemistry-Lab
>
> **Additional Comments:**

CHEM202G - Organic Chemistry-Lab

Overview

Department(s)
Chemistry

Course Description
Laboratory work includes Diels Alder and lid reactions, a multi-step synthesis, qualitative analysis of typical organic compounds using spectral evidence as well as simple tests.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

3

Requirements

Simple Requisites

Prerequisite Type

Prerequisite

Complete ALL of the following Courses:
- CHEM201E - Organic Chemistry I - Lecture
  AND CHEM201F - Organic Chemistry I - Lab

Additional Comments:

Corequisite Type

Corequisite

Enroll in the following Courses:
- CHEM202F - Organic Chemistry-Lecture

Additional Comments:

CHEM299O - Aquatic Inva. Species Research

Overview

Department(s)

Chemistry

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

CHW101 - Community Health Worker

Overview

Department(s)

Health Education

Course Description

Community Health Workers (CHWs) are a vital part of health and human services delivery in Michigan and are trusted members of the community served. They contribute in many ways by functioning as a consistent source of contact between care providers and individuals, providing case management and care coordination. CHWs influence the health of the community by providing outreach, community education, informal counseling, social support, and advocacy. This course follows the Michigan Community Health Worker Alliance (MiCHWA) curriculum and includes 40 hours of internship.

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

8

Contact Hours

Contact Hours in excess of Credit Hours

0

CIS100 - Introduction to PC's-Windows

Overview

Department(s)

Comp Info Systems/Business

Course Description

This course introduces students to the proper use and operation of the Intel-compatible microcomputers using the Windows operating system. Students learn to create documents using word processing programs, create line art using graphic programs, send and receive e-mail with attachments, access the Internet using a browser, and use online course management software. Common system activities that include customizing the desktop, formatting disks, using file management procedures, and creating back-ups are a part of the introduction to personal computer operating procedures.

Semester Offering

Fall, Winter and Summer

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

CIS101EW - Intro to Electronic Spreadsheets

Overview

Department(s)
Comp Info Systems/Business

Course Description
This is a "hands-on" course designed for people with little or no previous experience with electronic spreadsheets. The student will create and edit worksheets and workbooks. The student will use basic formulas, functions, charting, formatting, and printing options to create functional worksheets. Suffix: EW stands for Excel for Windows.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Complete ALL of the following Courses:
- CIS100 - Introduction to PC's-Windows
  OR CIS110 - Computer Concepts
  OR CIS120A - Intro to Computer Information Systems

Additional Comments:

CIS102EW - Intermediate Electronic Spreadsheets

Overview

Department(s)
Comp Info Systems/Business

Course Description
The student will use advanced formulas and functions, built-in data and table features, and perform what-if analysis using solver and scenarios. Advanced charting and formatting skills will also be covered. Suffix: EW stands for Excel for Windows.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

CIS-101EW may be taken previously OR concurrently

Complete ALL of the following Courses:
- CIS101EW - Intro to Electronic Spreadsheets

Additional Comments:

CIS104A - Intro to Networks (CISCO 1)

Overview

Department(s)
Comp Info Systems/Business

Course Description
This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. By the end of the course, students will be able to build and test simple LANs, perform basic configurations for routers and switches, and implement 1Pv4 and IPv6 addressing schemes. This is the first course in a series of four courses at MCC that prepares students for CISCO CCNA certification.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite Type Prerequisite
CIS-120A may be taken previously OR concurrently **Complete ALL of the following Courses:** • CIS120A - Intro to Computer Information Systems
Additional Comments:

CIS105A - Switching, Routing & Wireless (CISCO 2)

Overview

Department(s)
Comp Info Systems/Business

Course Description
This course describes the architecture, components, and operations of routers and switches in larger and more complex networks. Students Learn how to configure routers and switches for advanced functionality. By the end of this course, students will be able to configure and troubleshoot routers and switches and resolve common issues with VLANs, inter-VLAN routing, STP and FHRP's. Students will also learn the basics of security in WLANs and network switches to configure devices using security best practices. This is the second course in a series of four courses at MCC that prepares students for CISCO CCNA certification.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite Type Prerequisite
CIS-120A (taken previously OR concurrently) Note: Students will be allowed to register for both CIS-104A and CIS-105A at the same time. However, if student does not pass CIS-104A with at least a C- or higher, they will not be allowed to continue in CIS-105A **Earn a minimum grade of C- in the following:** • CIS120A - Intro to Computer Information Systems   **AND** CIS104A - Intro to Networks (CISCO 1)
Additional Comments:

CIS109A - Comptia A+ Part A

Overview

Department(s)
Comp Info Systems/Business

Course Description
This course provides students with the necessary skills to diagnose, update, and repair the physical components of a personal computing device. Students will become comfortable with the replacement of all internal components such as motherboards, processors, memory, and storage devices. Students will also work with I/O devices, the setting up and troubleshooting of small networks and be introduced to the setting up and working with mobile devices.

Semester Offering
Fall Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
1

Requirements

Simple Requisites

Prerequisite Type Prerequisite
CIS-110 and CIS-120A may be taken previously OR concurrently with CIS-109A **Complete ALL of the following Courses:**

- CIS110 - Computer Concepts
  AND CIS120A - Intro to Computer Information Systems

Additional Comments:

CIS110 - Computer Concepts

Overview

Department(s)
Comp Info Systems/Business

Course Description
A survey course on computer concepts and applications associated with the current generation of computer technology. In addition, technological trends and the potential impact computers have on careers and lifestyles are discussed. Computer Concepts also provides hands-on work with computers through the introduction of commonly used application packages: word processing, electronic spreadsheets, presentation graphics, image editing, and Internet browsing software within the Windows operating environment. Students interested in business applications and the introduction to computer programming should enroll in CIS 120A Introduction to Computer Information Systems.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

CIS119PP - Introduction to Presentation Graphics

Overview

Department(s)
Comp Info Systems/Business

Course Description
This is a hands-on course designed for people with little or no previous experience with slide show management. The student will design professional-looking slide shows using themes, animation, slide transitions, graphics, sound, and video. Suffix: PP stands for PowerPoint for Windows.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Complete ANY of the following Courses:
- CIS100 - Introduction to PC's-Windows
  OR CIS110 - Computer Concepts
  OR CIS120A - Intro to Computer Information Systems

Additional Comments:

CIS120A - Intro to Computer Information Systems

Overview

Department(s)
Comp Info Systems/Business

Course Description
A business-oriented introduction to data processing principles and information systems. Course topics include the analysis and design of business computer systems, the components of a computer system, the capabilities and limitations of computer technology, and careers for the information age. Students work with computers by learning to operate Internet browsers, electronic spreadsheets, and database systems within the Windows operating environment along with programming computers using popular programming languages. Students are expected to be able to use word processing software before enrolling in this course. This course was formerly offered as CIS120: Introduction to Data Processing.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Recommended prerequisite: BUS-179 Keyboarding or equivalent

CIS142 - Windows Client Administration

Overview

Department(s)
Comp Info Systems/Business

Course Description
This course prepares students for Windows client administration on a network and supporting users in an enterprise environment. Students will prepare for a certification exam by studying three major topics areas. First, implement Windows to include preparing installation requirements, installing Windows, configuring devices and drivers, performing post installation configuration, and implementing Windows in an enterprise environment. Second, configure and support core services to include configuring of networking, storage, data access and usage, remote management, along with implementing apps. Third, manage and maintain Windows to include configuring update, system and data recovery, authorization and authentication, advanced management tools as well as monitor windows.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Complete ANY of the following Courses:
- CIS110 - Computer Concepts
  OR CIS120A - Intro to Computer Information Systems

Additional Comments:

CIS143A - Windows Server Admin I

Overview

Department(s)
Comp Info Systems/Business

Course Description
This course provides preparation for a Microsoft Windows Server certification exam towards MCSA (Microsoft Certified Solutions Associate). This course provides for the installation, practice, and working with the Microsoft Server operating system. Students will study and prepare for certification topics, such as: planning for server deployment, the ability to work with PowerShell commands, monitoring and maintaining servers, working with server roles, working with server storage and file systems, and server virtualization.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Complete ANY of the following Courses:
- CIS110 - Computer Concepts
  OR CIS120A - Intro to Computer Information Systems

Additional Comments:

CIS153A - Introduction to Data Base Management

Overview

Department(s)
Comp Info Systems/Business

Course Description
This is a hands-on course designed for people with little or no experience with database management software. The student will create, manipulate and query relational databases along with developing data entry forms and reports.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Complete ANY of the following Courses:
- CIS110 - Computer Concepts
  OR CIS120A - Intro to Computer Information Systems

Additional Comments:

CIS183 - Networking Technologies

Overview

Department(s)
Comp Info Systems/Business

Course Description
This course focuses on essential issues related to data communications and networking technologies. Topics include established networking standards and terminology, the OSI model, physical and logical network topologies, the use and function of various networking hardware, media, protocols, and the fundamentals of internetworking.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Complete ANY of the following Courses:
- CIS110 - Computer Concepts
  OR CIS120A - Intro to Computer Information Systems

Additional Comments:

CIS185 - 'C' Programming

Overview

Department(s)
Comp Info Systems/Business

Course Description
The major elements of the C programming language are introduced through a series of applications featuring C program structure, variables, integer and floating-point arithmetic, looping, conditionals, arrays, functions, strings, pointers, structures and sequential file syntax. Syntactical, structural and procedural differences of C++object-oriented methodologies are integrated into the course after a firm foundation in standard C is presented.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Complete ALL of the following Courses:
- CIS120A - Intro to Computer Information Systems

Additional Comments:

CIS186 - Python Programming

Overview

Department(s)
Comp Info Systems/Business

Course Description
This course provides an introduction to Python through the use of basic programming concepts like decisions and loops, data types, input/output statements, strings, dictionaries and tuples. There will also be introductory coverage of object-oriented programming concepts using Python. The course will allow those with no programming experience the ability to learn programming basics through Python and more experienced programmers will be given the opportunity to expand their knowledge with a new programming language. This course is suitable for both CIS and non-CIS majors interested in exposure to one of the most desired languages used in software development, networking, business, science, economics, sociology, data science, health care and other fields.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite Type Prerequisite
Prereq: CIS-110, CIS-120A, OR Instructor Permission **Complete ANY of the following Courses:** • CIS110 - Computer Concepts **OR** CIS120A - Intro to Computer Information Systems
Additional Comments:

CIS199 - Internet Content Management Systems Cms

Overview

Department(s)
Comp Info Systems/Business

Course Description
Internet Content Management Systems provide system administrators, web designers, and content creators an interface for managing online content. This course provides an introduction to these systems (examples of CMS include: WordPress, Drupal, Movable Type and Joomla). Students will determine Content Management System (CMS) features and system requirements, install a CMS from scratch and configure administrative options on the CMS. Administrative functions will include implementation of security and publishing permissions, extension of basic CMS installations through plugins and customization of the CMS through use of design themes for delivery to both traditional and mobile users. Students will use their CMS installation to create and maintain both static and dynamic content throughout the course.

Semester Offering
Winter Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite Type Prerequisite
Complete ALL of the following Courses: • CIS257A - HTML Internet for Web Page Design
Additional Comments:

CIS202A - IT SEC & Automation (CISCO3)

Overview

Department(s)
Comp Info Systems/Business

Course Description
This course continues to describe the architecture, components, security, and operations of routers and switches in larger and more complex networks including Wide Area Networks. Students will learn to configure single area OSPF, explain vulnerabilities, threats, and exploits and how to mitigate to enhance network security. Learn how to implement ACLs, NAT, IpSEC VPNs, QOS, learn how to monitor today's networks, learn troubleshooting techniques and skills, and learn how to network automation and virtualization are used in today's networks. This is the third course in a series of four courses at MCC that prepares students for CISCO CCNA certification.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

> **Earn a minimum grade of C- in the following:**
> - CIS105A - Switching, Routing & Wireless (CISCO 2)

Additional Comments:

CIS204 - CCNA Cybersecurity CISCO 4

Overview

Department(s)
Comp Info Systems/Business

Course Description
Today's organizations are challenged with rapidly detecting cybersecurity breaches and effectively responding to security incidents. Teams of people in Security Operations Centers (SOCs) keep a vigilant eye on security systems, protecting their organizations by detecting and responding to cybersecurity threats. This course prepares students to begin a career working with associate-level cybersecurity analysts within both security operations centers, and as part of a network security team at an organization.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

> Note: Students will be allowed to register for both CIS-202A and CIS-204 at the same time. However, if the student does not pass CIS-202A with a C- or higher they will not be allowed to continue with CIS-204.
>
> **Earn a minimum grade of C- in the following:**
> - CIS202A - IT SEC & Automation (CISCO3)

Additional Comments:

CIS209A - Comptia A+ Part B

Overview

Department(s)
Comp Info Systems/Business

Course Description
This course is designed to take the successful CIS-109A student to the next, more in-depth level of personal computer maintenance and repair. Students will become comfortable with the installation (including virtualization), troubleshooting and maintenance of operating systems, peripheral devices, and system security strategies. It is recommended that students complete CIS-143 prior to taking the CompTIA A+ exam.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

> **Complete ALL of the following Courses:**
> - CIS109A - Comptia A+ Part A

Additional Comments:

CIS228 - JavaScript

Overview

Department(s)
Comp Info Systems/Business

Course Description
Students will learn how to program using JavaScript and implement scripts on web pages. In addition to JavaScript, students will develop utilizing HTML and CSS. Students will utilize JavaScript frameworks, integrate external API's as well as develop efficient user interfaces. Students will work with the Document Object Model (DOM) and will utilize JQuery, Ajax and JSON.

Semester Offering
Fall Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - CIS257A - HTML Internet for Web Page Design
>
> **Additional Comments:**

CIS243 - Telecommunications

Overview

Department(s)
Comp Info Systems/Business

Course Description
This course provides an introduction to telecommunication concepts and network configurations. Students learn standard procedures and protocols for data transmission over various communication channels and study the components of a telecommunications system. Network architectures and designs are examined through the use of discussion and case studies.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Complete ANY of the following Courses:**
> > - CIS120A - Intro to Computer Information Systems
> >   **OR** CIS110 - Computer Concepts
>
> **Additional Comments:**

CIS250 - Developing Information Systems

Overview

Department(s)
Comp Info Systems/Business

Course Description
This course reviews and applies traditional systems development methodologies implemented by project teams. Classroom discussion centers on the design and development of user-oriented information systems. Course content includes feasibility studies, systems analysis, design concepts, and implementation strategies.

Semester Offering
Winter Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Requirements**
> **Type**
> Prerequisite
>
> > **Complete at least 1 of the following courses:**
> >
> > -
> >   **OR** CIS185 - 'C' Programming
> >   **OR**
> >   **OR** CIS267PHP - Server-Side Web Programming Using Php
> >   **OR** CIS282 - Visual C# Programming
> >
> > Or Instructor Permission with current enrollment in one of these courses.
>
> **Additional Comments:**

CIS253A - Database Design/Implementation

Overview

Department(s)
Comp Info Systems/Business

Course Description
This course provides students with systems development experience within a database environment. Fourth-generation languages using structured query language (SQL), report generators, and other system design tools are used in conjunction with case studies to provide real-life applications of the systems development process.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> >
> > - CIS153A - Introduction to Data Base Management
> >
> > Students are encouraged but not required to take some programming language before this class.

Additional Comments:

CIS257A - HTML Internet for Web Page Design

Overview

Department(s)
Comp Info Systems/Business

Course Description
Students will learn the fundamentals of Hypertext Markup Language (HTML5), CSS and web page design. Students will use internet browsers, image editors, IDEs and text editing software to create and edit web pages for traditional computers and mobile devices. They will also learn to create a web page and publish a website on the Internet using File Transfer Protocols (FTP). Students will be expected to critique other web pages and, there will be demonstrations of JavaScript, the DOM model and other Internet tools.

Semester Offering
Winter Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>
> > **Complete ANY of the following Courses:**
> >
> > - CIS110 - Computer Concepts
> >   **OR** CIS120A - Intro to Computer Information Systems
> >
> > or CIS-120A co-req for CIS majors with Instructor Permission

Additional Comments:

CIS258 - Advanced HTML Web Development

Overview

Department(s)
Comp Info Systems/Business

Course Description
HTML provides the foundation of web pages on the Internet. This class assumes a basic understanding of basic HTML and CSS. In this class students will use a project-driven approach to learn advanced techniques that will bring together the

student's knowledge of basic HTML, CSS and Web design. Using HTML5 students design, build and launch interactive, multi-media web-based applications for mobile, notebook and desktop audiences.

Semester Offering
Fall Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements
Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - CIS257A - HTML Internet for Web Page Design
>
> **Additional Comments:**

CIS267PHP - Server-Side Web Programming Using Php

Overview
Department(s)
Comp Info Systems/Business

Course Description
This course is an introduction to the server-side scripting language for use in the creation and maintenance of interactive web sites that access online databases. Students design, code, test, debug and navigate interactive web sites using server-side programming. Topics will include broad exposure to language-specific functions and processes, security and file uploads and writes, along with database functionality including reads, writes, selects (searches), inserts and updates. This technology is widely used within Internet applications including blogs, search engines, e-commerce shopping carts, discussion forums, content management systems and social networking platforms.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements
Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - CIS257A - HTML Internet for Web Page Design
>
> **Additional Comments:**

CIS275 - Linux Operating System

Overview
Department(s)
Comp Info Systems/Business

Course Description
This course provides introductory coverage of Linux operating system. Students will learn the fundamentals of Linux operating system and its environment, both from a user's and administrator's standpoint. Specific topic coverage includes: installation, configuration, basic Linux administration; exploring the Desktop environments; understanding the text commands; using the Shell; understanding users and filesystems; managing processes; basic Linux networking; using network clients; understanding system initialization; managing software packages and filesystems; managing users and groups; configuring networks; understanding system and kernel management. We will also cover a few advanced topics that include network file sharing (NFS) services, security, and Samba. We will use the Red Hat's free open-source Linux operating system, known as Fedora, as our primary operating system. This course also serves as a guideline that maps to the CompTIA Linux+ certification exam.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Complete ANY of the following Courses:
- CIS110 - Computer Concepts
  OR CIS120A - Intro to Computer Information Systems

Recommended Prerequisite: CIS 143

Additional Comments:

CIS280 - Java Programming

Overview

Department(s)
Comp Info Systems/Business

Course Description
This course addresses advanced level object-oriented programming techniques using the Java programming language. Coverage includes construction of basic Java programs, use of input/output and other common instance and static methods, unique syntactical constructs, conditions and iteration, differences between the C++ environment and the Java environment, the acquisition and installation of the Java compiler and runtime platform, and the interpretation of common errors and warnings. These concepts are presented through the use of extensive examples and assignments.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite Type

Prerequisite

Complete ALL of the following Courses:
- CIS185 - 'C' Programming

Additional Comments:

CIS282 - Visual C# Programming

Overview

Department(s)
Comp Info Systems/Business

Course Description
The C programming language, from Microsoft, will be introduced to the students from within the .NET framework. Students will study, design and write programs in the object-oriented format while becoming familiar with the fundamentals of C and of the .NET environment. The C (C Sharp) programming language, from Microsoft's Visual Studio (VS) development framework, is introduced and then used to present the visual programming environment, the object-oriented programming environment and the .NET environment. Students will learn to work with the VS interface to develop skills in developing projects and managing objects. Programming techniques will focus on decisions, looping, data management, and exception management.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Complete ALL of the following Courses:
- CIS280 - Java Programming

or Instructor Permission

Additional Comments:

CIS283B - Windows Server Admin II

Overview

Department(s)
Comp Info Systems/Business

Course Description
This course provides preparation for Microsoft Server certification exams towards MCSA (Microsoft Certified Solutions Associate). This course provides for preparation and practice of certification exam topics such as: implementing, managing, and maintaining IP addressing, maintaining name resolution using the Domain Name System (DNS), installing and working with Dynamic Host Configuring Protocol (DHCP), implementing routing and remote access, installation and configuration of Active Director Domain Services (AD DS), working with Organization Units (OUs) and managing group polices.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - CIS143A - Windows Server Admin I
>
> **Additional Comments:**

CIS287A - Digital Video Editing and Production

Overview

Department(s)
Comp Info Systems/Business

Course Description
Prereqs: CIS-110 or CIS-120A This course serves as an introduction to elements and principals of digital video production and editing work. Students may be exposed to applications such as news, corporate and organizational communications and fine art productions. Topics covered include importing still and video images, audio editing, cutting scenes, transitions, basic and advanced titling, compositing, slow and fast motion, color balance, and exporting projects to a variety of industry-standard formats. Additional costs may include materials such as stereo headsets and removable read/write storage media as specified by the current syllabus.

Semester Offering
Winter Semester Only

Credits

Credit Hours

Credit Hours
3

CIS293A - Network Security

Overview

Department(s)
Comp Info Systems/Business

Course Description
This course is offered as a lecture/hands-on course relative to computer network security. The class will cover the core objectives of the Security + certification exam including: the knowledge and skills required to install and configure systems to secure applications, networks, and devices; perform threat analysis and respond with appropriate mitigation techniques and participate in risk mitigation activities. Among the topics covered will be the core knowledge required to support the principles of confidentiality, integrity, and availability.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - CIS183 - Networking Technologies
>
> **Additional Comments:**

CJ101 - Introduction to Law Enforcement

Overview

Department(s)
Criminal Justice

Course Description

A study of the organization and jurisdiction of local, state, and federal law enforcement, judicial, and correctional systems. Also includes the history and philosophy, career opportunities and qualifying requirements, terminology and constitutional limitations of the system.

Semester Offering

Fall, Winter and Summer

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

CJ102 - Police Administration I

Overview

Department(s)

Criminal Justice

Course Description

A study of the principles of police administration and organization; administration of staff units; function and activities of Criminal Justice Agencies.

Semester Offering

Winter Semester Only

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

CJ104 - Criminology

Overview

Department(s)

Criminal Justice

Course Description

The study of deviance and society's role in defining behavior. Theories of criminality and the economic, social, and psychological impact of crime, victimization, and relationship between statistics and crime trends.

Semester Offering

Fall, Winter and Summer

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

CJ109 - Crime Prevention & Juvenile Delinquency

Overview

Department(s)

Criminal Justice

Course Description

A practical study of the history and development of juvenile justice theories, procedures and institutions. Problems of juvenile delinquency, theories of causation and prevention programs. Police prevention programs, juvenile courts, federal, state and local treatment and prevention.

Semester Offering

Winter Semester Only

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Free Form Requirements

CJ110 - Defensive Tactics

Overview

Department(s)

Criminal Justice

Course Description
The focus of attention in this course will be the use of basic techniques. Each technique demonstrated by the instructor will have a variety of uses. All techniques will be designed to incapacitate the object of focus as quickly and professionally as possible. The importance of documentation followed by court testimony techniques will be strictly emphasized throughout the entire course.

Semester Offering
Summer Session Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
0

Requirements
Free Form Requirements
none

CJ201 - Criminal Law

Overview
Department(s)
Criminal Justice

Course Description
The study of the philosophy of legal sanctions and their historical development, from common law to modern American criminal law. Includes the judicial process, classification of crimes, elements of and parties to crimes, general definitions of crimes, and common defenses.

Semester Offering
Fall Semester Only

Is this course available online?
Yes

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
0

CJ202 - Police Administration II

Overview
Department(s)
Criminal Justice

Course Description
The study of theories, procedures and methods of operation of public police with emphasis on discretionary powers. This course is a study of the administration of police line operations; including theories, types and methods of patrol, liaison between units, enforcement policy, manpower distribution and analysis of operations. We will discuss the operation of the detective and juvenile divisions and such problems as organized crime, vice, etc. Also includes a review of career opportunities and current trends in law enforcement.

Semester Offering
Fall Semester Only

Is this course available online?
Yes

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
0

CJ204 - Criminal Investigation

Overview
Department(s)
Criminal Justice

Course Description
An introduction to criminal investigation procedures including theory of investigation, conduct at crime scene, collecting and preservation of criminal evidence. Methods in the use of police science laboratory, fingerprinting, ballistics, documents, report writing and procedures in the courtroom are covered. Additionally, study in case preparation, interviewing, and basic investigative techniques will be included.

Semester Offering
Winter Semester Only

Is this course available online?
Yes

Credits
Credit Hours
Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Free Form Requirements

None

CJ205 - Interrogation and Case Preparation

Overview

Department(s)

Criminal Justice

Course Description

Comprehensive study of Miranda decision; principles of psychology of questioning, interrogation of suspects, interviewing witnesses and informants, preparation of statements, declarations and confessions, problems in case preparation, and mechanical means of deception.

Semester Offering

Fall Semester Only

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

CJ206 - Evidence and Crime Procedure

Overview

Department(s)

Criminal Justice

Course Description

This course deals with rules of evidence of particular import at the operational level in law enforcement and with criminal procedures in important areas such as arrest, force and search and seizure. An introduction to major court holdings, procedural requirements that stem from these holdings, and their effects on daily operations of the criminal justice system.

Semester Offering

Winter Semester Only

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Free Form Requirements

None

CJ207 - Police and Community Relations

Overview

Department(s)

Criminal Justice

Course Description

The primary objective of this course is to acquaint the student with the need for the police to become a part of the community rather than apart from it. An examination of the attitude of people towards the police, as well as the feelings of the police about the community they are sworn to protect will be made. Public relations will be distinguished from community relations. The image of the police will be examined as well as the current methods being used by police agencies to better their relations with the community. A study of the police officer's role in attaining and maintaining public support. Including recognition and understanding of community problems, community action programs, methods of coping with crisis situations, victimology, ethics and minority cultures, environments, crime prevention and police operations.

Semester Offering

Winter Semester Only

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

CJ250 - Corrections I

Overview

Department(s)

Criminal Justice

Course Description
History, development and philosophy of corrections; tribal and biblical antecedents; Western adaptations; developments in the U.S.; current forms and approaches to include probation, parole, medium security concepts; the work of related agencies.

Semester Offering
Fall Semester Only

Is this course available online?
Yes

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
0

CJ251A - Legal Issues in Corrections

Overview
Department(s)
Criminal Justice

Course Description
Exploration of probation, sentencing and philosophies, legal concepts applicable to probation, parole, sentencing and incarceration; objectives of the correctional process and factors influencing correctional decision-making.

Semester Offering
Winter Semester Only

Is this course available online?
Yes

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
0

Requirements
Free Form Requirements
none

CJ252A - Correctional Institutions/Facilities

Overview
Department(s)
Criminal Justice

Course Description
This course is designed to provide a more in-depth study of corrections as part of the Criminal Justice System and specific discussions of the evolution of corrections, organization and development of jails in America, alternatives to incarceration, probation, parole and the concept of community-based corrections. Emphasis will be placed on community-based corrections and corrections as it could be in the year 2000. The course will provide the student with a background for coursework in corrections. Particular emphasis will be placed on the Michigan Department of Corrections with some discussions of alternatives to the current correctional philosophy in Michigan.

Semester Offering
Fall Semester Only

Is this course available online?
Yes

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
0

CJ257 - Client Relations in Corrections

Overview
Department(s)
Criminal Justice

Course Description
This course is designed to provide a basic understanding of the meaning and function of culture, the impact and meaning of discrimination and discussion of the various minorities represented in the State of Michigan. Attitude formation, including such topics as self-perception, human relations, and group and peer pressure will be studied. Affirmative action will be highlighted.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours

0

CJ258A - Client Growth and Development

Overview

Department(s)
Criminal Justice

Course Description
This course is designed to examine the growth and development of the correctional client, with particular emphasis on early environment, psychological and sociological factors. Specific problems such as substance abuse, sexual deviations, medical disorders and mental disorders will be discussed. Intervention strategies will be considered.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

CJ258ASUP - Client Growth & Dev Supplement

Overview

Department(s)
Criminal Justice

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

CJ290CI - Cooperative Internship

Overview

Department(s)
Criminal Justice

Course Description
The Cooperative Internship Program is a paid or non-paid field work experience in the industry within the student's major area of study. Variable credit (1-4 cr. hrs. per semester) may be earned dependent upon the number of work hours available from the employing organization. A student may sign up for as many internships as desired, however, the number of credit hours which can be applied towards a degree/certificate depends on the student's course of study and departmental requirements. The maximum number of hours of cooperative internship is 12 credit hours depending upon the program. This course is offered on a pass/no pass basis.

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

CJ290CI1 - Cooperative Internship

Overview

Department(s)
Criminal Justice

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

CJ290CI2 - Cooperative Internship

Overview

Department(s)
Criminal Justice

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
0

COM101 - Oral Communications

Overview

Department(s)
Communications

Course Description
An introduction to the fundamentals of oral communications. Study and application of intrapersonal, interpersonal, small group, and public speaking. Class presentations are required.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

COM101HON - Oral Communications-Honors

Overview

Department(s)
Communications

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

COM102 - Mass Media

Overview

Department(s)
Communications

Course Description
To create an awareness and understanding of the history, structure and effect of mass media systems. (Includes newspapers, film, radio and television.)

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

COM107 - Introduction to Journalism

Overview

Department(s)
Communications

Course Description
A basic course stressing the news-gathering techniques and news-writing style utilized by newspapers, radio and television. Includes an orientation to style, copy-reading, editing, headline writing, and page layout.

Semester Offering
Fall Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

> **Prerequisite Type**
>
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - ENG101 - English Composition
>
> **Additional Comments:**

COM112 - Audio Production

Overview

Department(s)

Communications

Course Description

A basic course in the fundamentals, principles, practices, and techniques of radio production. Laboratory hours by arrangement.

Semester Offering

Fall Semester Only

Is this course available online?

No

Credits

Credit Hours

Credit Hours

2

Contact Hours

Contact Hours in excess of Credit Hours

0

COM113 - Practical Radio

Overview

Department(s)

Communications

Course Description

A continuation of COM 112 designed to give the student the opportunity to develop skill and experience at a local radio station.

Semester Offering

Winter Semester Only

Is this course available online?

No

Credits

Credit Hours

Credit Hours

2

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

> **Prerequisite Type**
>
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - COM112 - Audio Production
>
> **Additional Comments:**

COM201 - Public Speaking

Overview

Department(s)

Communications

Course Description

A consideration of the principles of public speaking with emphasis on the theories of argumentation and persuasion. Class performances required.

Semester Offering

Fall and Winter

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

COM201HON - Public Speaking-HONORS

Overview

Department(s)
Communications

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

COM203 - Introduction to Cinema

Overview

Department(s)
Communications

Course Description
An introduction to the art of film; the course will include representative foreign and domestic films, at least one documentary film, and several (2-4) experimental and/or underground films. In addition to thematic study of films, the course explores the various elements of moviemaking (i.e., script, light, sound, color, acting, directing, editing).

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Complete ALL of the following Courses:
- ENG102 - English Composition

Additional Comments:

COM203HON - Intro to Cinema-HONORS

Overview

Department(s)
Communications

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

COM212 - Television Production

Overview

Department(s)
Communications

Course Description
A basic course designed to acquaint the student with the principles, practices, and techniques of television production. Within an operating television studio, students gain hands-on experience operating studio cameras, recording devices, a video switcher, lighting, audio mixing, microphone setup, teleprompter, monitors, props, green screens and other accessories. Activities involving scripting, storyboarding, editing, safety and security will also be provided.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
1

COM290CI - Cooperative Internship

Overview

Department(s)
Communications

Course Description
The Cooperative Internship Program is a paid or non-paid work experience in broadcasting/multi-media within the student's major area of study. Variable credit hours (1-4Cr. Hrs. per semester) may be earned dependent upon the number of work hours available from the employing organization. A student may sign up for as many internships as desired; however, the number of credit hours which can be applied toward a degree/certificate depends on the student's course of study and departmental requirements. The internship course starting and ending dates are determined on an individual basis. This course is offered on a pass/no pass basis.

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

COM290CI1 - Cooperative Internship - 1 Cr.

Overview

Department(s)
Communications

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

COM290CI4 - Communication Internship - 4 C

Overview

Department(s)
Communications

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

CSS100A - College Success Seminar

Overview

Department(s)
College Success Seminar

Course Description
This course helps students develop, apply, and evaluate their own skills, abilities, and behaviors to achieve academic and personal success: effective note taking, productive study skills & test preparation, reading and remembering, critical thinking, library skills, navigating online course content, free career and job resources, stress management, relationships, connecting with campus resources, and winning attitudes. Students are required to utilize a minimum of 2 campus resources or attend 2 college events outside of class; they may choose from a variety of options on campus, online, or at off-campus locations. Most are free with student ID.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

DMU101 - Audio Recording I

Overview

Department(s)
Music

Course Description
An introduction to the fundamental principles, practices, and techniques of audio and music production.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

DMU102 - Audio Recording II

Overview

Department(s)

Music

Course Description

A study of audio signal processing theory, history, and application using current industry standard technology. Includes an emphasis on developing skills in the operation of hardware and software to manipulate digital audio recordings.

Semester Offering

Fall Semester Only

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Earn a minimum grade of C in the following:**
> > - DMU101 - Audio Recording I
>
> **Additional Comments:**

DMU103 - Audio Recording III

Overview

Department(s)

Music

Course Description

Advanced application of audio production techniques, including editing and effects, project planning and mixing.

Semester Offering

Summer Session Only

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Earn a minimum grade of C in the following:**
> > - DMU102 - Audio Recording II
>
> **Additional Comments:**

DMU104 - Live Audio Production

Overview

Department(s)

Music

Course Description

This course will provide the student with an understanding of the goals, objectives, and processes of live sound support. Study will address understanding and use of analogue and digital amplifiers and speakers, mixing for Front-Of-House, monitors, and other destinations, selection of a system to fit the venue, an introduction to speaker positioning and alignment, selection, and use of microphones, reading and following stage plot diagrams, cable management, and basic troubleshooting. Students will meet in a variety of venues.

Semester Offering

Winter Semester Only

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

> **prerequisite**
> **Type**
> Prerequisite
>
> > **Earn a minimum grade of C in the following:**
> > - DMU101 - Audio Recording I
>
> **Additional Comments:**

DMU110 - Intro to MIDI and Digital Instruments

Overview

Department(s)

Music

Course Description

Since the 1980s, MIDI has been the language of communication between digital instruments. Students will learn the essential principles of this language, explore some of the thousands of digital instruments, both synthesized and sampled, and learn to create their own in a state-of-the-art audio studio.

Semester Offering

Winter Semester Only

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - DMU101 - Audio Recording I

Additional Comments:

DMU111 - Popular, Folk, World Music Form & Style

Overview

Department(s)

Music

Course Description

Explore various types of world music and learn how to recreate it in arrangements or composition. Discover other "classical music" traditions (Iran, India, and China), American pop music (jazz, blues, rock, pop, new age), and folk music from around the world. Throughout the survey of these various styles, learn how to analyze unfamiliar music and even how to reproduce it through performance, arrangement, or composition.

Semester Offering

Summer Session Only

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - MU102 - Music Theory
>
> **Additional Comments:**

DMU201 - Digital Music & Audio Capstone Project

Overview

Department(s)

Music

Course Description

The Capstone Project course is the last in the sequence for the Digital Music and Audio Production certification program. The content of the project will be determined by the student under the guidance of faculty. Students in the audio track will focus on the production of professional audio while students in the music track will focus on the creation of a set of recordings of their original compositions.

Semester Offering
Summer Session Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
0

Requirements
Simple Requisites

> Prereq: Completion of all previous coursework for audio or music track certification

DNC100 - Modern Dance I

Overview
Department(s)
Dance

Course Description
Basic exercises and technique for the beginning student in modern dance. Movement, rhythmic and compositional forms will be studied.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
1

DNC101 - Modern Jazz Dance I

Overview
Department(s)
Dance

Course Description
Basic dance exercises, technique, and jazz sequences will be taught in this course. Students will gain the ability to recognize appropriate music and various phases of jazz dance history.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
1

DNC102 - Ballet I

Overview
Department(s)
Dance

Course Description
Beginning and intermediate level Ballet dance exercises, techniques, and Ballet dance sequences will be taught in this course.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
1

DNC106 - Social Dance I

Overview
Department(s)
Dance

Course Description
Beginning dance steps and techniques relating to social dance, including ballroom and contemporary novelty dances. A study of the history, music and rhythms that are related to social dance.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
1

DNC138 - Dance Choreography & Design

Overview
Department(s)
Dance

Course Description
Application of choreographic knowledge in the design of a dance work to include the principles of dance composition, direction and performance.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
1

DNC200 - Modern Dance II

Overview
Department(s)
Dance

Course Description
Intermediate work in modern dance composition and technique. History of modern dance is also studied as well as different dance forms used in composing dance.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
1

Requirements
Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - DNC100 - Modern Dance I
>
> **Additional Comments:**

DNC201 - Modern Jazz Dance II

Overview
Department(s)
Dance

Course Description
Continuation of beginning and intermediate level jazz dance exercises, techniques and sequences will be taught in this course.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
1

Requirements
Simple Requisites

> **Prerequisite Type**
> Prerequisite

> **Complete ALL of the following Courses:**
> - DNC101 - Modern Jazz Dance I
>
> **Additional Comments:**

DNC206 - Social Dance II

Overview

Department(s)
Dance

Course Description
Intermediate dance steps, variations, and techniques relating to social dance, including ballroom and contemporary novelty dances. A study of history, music, and rhythms that are related to social dance. Field trips to either a dance club or workshop in social dance are offered with this course and additional fees may be required.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - DNC106 - Social Dance I
>
> **Additional Comments:**

DNC210A - Repertory Dance Tour Company

Overview

Department(s)
Dance

Course Description
Credit will be given for practical work as a dancer for participating in the Repertory Dance Tour Company. This company will tour area schools, organizations, institutions, etc., presenting creative and educational aspects of performing dance. Performing dance positions by audition only prior to class registration.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
2

DNC210B - Repertory Dance Tour Company

Overview

Department(s)
Dance

Course Description
Credit will be given for practical work as a dancer for participating in the Repertory Dance Tour Company. This company will tour area schools, organizations, institutions, etc., presenting creative and educational aspects of performing dance. Performing dance positions by audition only prior to class registration.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
2

DNC210C - Repertory Dance Tour Group

Overview

Department(s)
Dance

Course Description
Credit will be given for practical work as a dancer for participating in the Repertory Dance Tour Company. This company will tour area schools, organizations, institutions, etc., presenting creative and educational aspects of performing dance. Performing dance positions by audition only prior to class registration.

Semester Offering
Fall and Winter

Is this course available online?
No

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
2

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
0

DNC210D - Repertory Dance Tour Company

Overview

Department(s)
Dance

Course Description
Credit will be given for practical work as a dancer for participating in the Repertory Dance Tour Company. This company will tour area schools, organizations, institutions, etc., presenting creative and educational aspects of performing dance. Performing dance positions by audition only prior to class registration.

Semester Offering
Fall and Winter

Is this course available online?
No

Requirements

Simple Requisites

Recommended Prereq.: MATH-098 or higher with a grade of C or better.

ECON101HON - Prin. of Economics - Honors

Overview

Department(s)
Economics

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
2

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

ECON101A - Principles of Macroeconomics

Overview

Department(s)
Economics

Course Description
A course appropriate for economics, social science, business administration, and engineering majors, and any other students interested in how their economic system works. This is a course in macroeconomics, which attempts to show how a market system determines levels of employment and unemployment, and the factors affecting inflation and economic growth. Various theories of the macro economy are examined. Government attempts at economic stabilization, including the role of the Federal Reserve System are discussed.

ECON102A - Principles of Microeconomics

Overview

Department(s)
Economics

Course Description
A course in microeconomics, especially suited for social science, business, and engineering majors. Various types of competition and how these affect decision making by the firm are discussed. Price and output determination by the firm are also examined. Other topics include the pricing of resources, the role of trade unions, international trade and finance, income distribution and poverty, and the basic characteristics of the economic systems of selected countries other than the United States.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits
Credit Hours
Credit Hours
4

Contact Hours
Contact Hours in excess of Credit Hours
0

Requirements
Simple Requisites

> Recommended Prereq.: MATH-098 or higher with a grade of C or better.

ED101B - Introduction to Education

Overview
Department(s)
Education

Course Description
A comprehensive survey of teaching, stressing objectives and philosophy, student guidance, curriculum study, and methods of teaching. Opportunities to explore professional education as a career, responsibilities of educators, cultural awareness within the profession, social issues, directed observation and current trends. Twenty-five hours of fieldwork are required in a Pre-Kindergarten - 12th grade classroom.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
1

ED109A - Parent-Child Connection

Overview
Department(s)
Education

Course Description
This course is focused on the cultural influence of the family structure as it relates to education through culturally responsive curriculum and environment. The course will assist in developing an understanding of the parenting process and present content through research-based concepts. Multiple classroom environments and professional roles will be utilized in order to prepare a teacher to communicate with families in a respectful and reciprocal relationship. Twenty-five hours of fieldwork are required in a Birth - 3rd grade classroom.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
1

ED111A - Introduction to Early Childhood Edu

Overview
Department(s)
Education

Course Description
The course is designed to introduce students to the field of early childhood education and to the academic opportunities within the profession. The course will examine a broad perspective of current issues. Program models, family relationships, behavior management, cultural, historical, philosophical, and current trends in early childhood education will be emphasized. Criteria for quality care, exemplary early childhood programs, developmentally appropriate practices, and learning environments - including multi-cultural and special needs - will be examined. Twenty-five hours of fieldwork are required in a center based preschool program with 3-5 year olds.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits
Credit Hours
Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours

1

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

1

ED120C - Anti-Bias Curriculum in Early Childhood

Overview

Department(s)
Education

Course Description
An introduction to current practices in early childhood education curriculum as related to the total growth and development of young children. Focused on the Anti-Bias Curriculum, play and consideration for sociocultural environment and family partnerships, curriculum alignment with State of Michigan B-K, Pre-K-3rd, NAEYC, Head Start, GSRP, IEP, IFSP and local agencies curriculum models will be utilized for lesson planning. Materials, learning outcomes, guidance, school-family relationships, technology, technology assisted devices, community resources and significant child development research will be explored through developmental learning centers. Twenty-five hours of fieldwork are required in a center based preschool with 3-5 year olds.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

1

ED202A - Teaching of Reading - Elem. School

Overview

Department(s)
Education

Course Description
A study of current philosophies, instructional strategies and materials in the teaching of reading from preschool through middle school grades. Key components of literacy will include: print concepts, phonological awareness, phonics, spelling, word recognition, reading, comprehension, handwriting, composition, listening and speaking in multiple diverse environments. Twenty-five hours of fieldwork are required in a Preschool - 6th grade classroom.

Semester Offering
Fall Semester Only

Is this course available online?
Yes

ED210 - Child Care and Guidance

Overview

Department(s)
Education

Course Description
This is the culminating course in the early childhood education sequence. Instruction is provided in competency and guidance techniques for the young child. Students will write, have proofed and finalize the six competency goals. These are required for the credential, in preparation for the final evaluation. Their autobiography and an individualized training prescription will be written by the field advisor following the on-site observation. Counseling, evaluations and recommendations for the completion of the program are provided. A twenty-five hour practicum is required.

Semester Offering
Winter Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

> **Corequisite**
> **Type**
> Corequisite
>
> > **Complete ALL of the following Courses:**
> > - ED252B - Child Development Practicum
>
> **Additional Comments:**

ED211A - Behavior Management

Overview

Department(s)
Education

Course Description
A comprehensive review of the theory and practice of behavior management in applied settings. Emphasis will be placed on the development of entry-level competency in behavior analysis and treatment. This will include, but not be limited to, an introduction to the principles of behavior modification as well as the theories and techniques associated with the psychodynamic, biophysical, and environmental perspectives as they relate to the broad field of behavior management. Eighty percent of the classroom content and discussion will be identifying and targeting strategies applicable to the 0-8-year-old age group. Students learn three levels of classroom supports: Universal, Targeted, and Intensive. Classroom lecture is supported with evidence-based practice. Twenty-five hours of fieldwork are required in a classroom, servicing Part B and C of the Michigan special education requirements from Birth-8 years of age.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
1

ED214A - Infant and Toddler Development and Care

Overview

Department(s)
Education

Course Description
The development of the newborn to 36-month old child is examined in this course through current research-based practices. The diversity of development will be explored through the cognitive, language, social, emotional, and sensorimotor growth of the infant and toddler. The environments will include Early On, Early Interventions, Early Head Start and center-based programs. Twenty-five hours of fieldwork are required in an Infant-Toddler classroom.

Semester Offering
Fall Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
1

ED216A - Educating Exceptional Children

Overview

Department(s)
Education

Course Description
A comprehensive survey of professional research, parental services, trends, policies, procedures and laws in special education. Areas of impairment studied include mental, hearing, visual, physical, emotional, and learning disabled. The exceptionality of gifted and talented and early intervention are examined as well. Twenty-five hours of fieldwork are required in a classroom servicing Part B and C of the Michigan special education requirements.

Semester Offering
Winter Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
1

ED220B - Early Childhood Observation & Assessment

Overview

Department(s)
Education

Course Description
An introduction to techniques and strategies in observing and assessing the behavior, achievement and performance of young children. The importance and value of observations of children, types and varieties of assessment, role of assessment in multi-cultural settings, use of technology, importance of portfolio development and observation systems will be discussed. Twenty-five hours of fieldwork are required in a center based preschool classroom with 3-5 year olds.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
1

Requirements

Simple Requisites

prerequisite Type
Prerequisite

Complete ALL of the following Courses:
- ED111A - Introduction to Early Childhood Edu

Additional Comments:

ED225A - Child Development (age 0-8)

Overview

Department(s)
Education

Course Description
The course will explore theoretical and practical perspectives of conception through adolescence development. Basic issues in the development of infants and children, and methods of studying children will be discussed. In-depth exploration of the physical, intellectual, emotional, and social development of children will be viewed from a multicultural perspective. This course may be used in addition to, or in place of ED250 (Human Growth and Learning) to fill the requirements of all Education Department certificate and degree programs. Twenty-five hours of fieldwork are required in a Birth - 6th grade classroom.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
1

ED230A - Children's Literature

Overview

Department(s)
Education

Course Description
This course will investigate literature for children, and appropriate learning activities suitable for the preschool, elementary and middle school student. Relationships are explored between child development, school curricula, instructional strategies, language arts, multi-cultural activities, and literature. A focus in selection of quality children's literature to plan culturally diverse lessons to support learning in the following areas: print concepts, phonological awareness, letter knowledge, spelling, word recognition, vocabulary, handwriting, comprehension, composition, listening and speaking. Twenty-five hours of fieldwork are required in a Preschool - 6th grade classroom.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
1

ED234A - Educational Psychology

Overview

Department(s)
Education

Course Description
This course is devoted to the connection between psychology and education by providing an overview of the applications in the field of psychology. Research data, learning theories, cultural Pluralism, and special topics reflective of current educational changes are examined. 25 hours of fieldwork within a K-12 classroom environment will be required.

Semester Offering
Winter Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours

1

ED250A - Human Growth and Learning

Overview

Department(s)
Education

Course Description
A comprehensive study of the human life cycle will be explored. The course will explore theoretical and practical perspectives of development from conception through death. In addition, current trends in language acquisition, information processing, learning theories and basic theoretical models will be examined. In-depth exploration through current research of the physical, intellectual, emotional, and social development from childhood to adulthood will be viewed from a multi-cultural perspective. Twenty-five hours of fieldwork are required in a Birth - 12th grade classroom.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
1

ED252B - Child Development Practicum

Overview

Department(s)
Education

Course Description
On-the-job experience under the supervision of the Education Department with cooperating early childhood locations. Practical application knowledge under the framework of: NAEYC, Council for Professional Recognition, State of Michigan B-K Standards, Head Start, GSRP, and State of Michigan Quality Pre-K Standards. Demonstration of the ability to design and implement curriculum, communicate with families, complete accurate assessment, use of technology, and culturally diverse implementation. A total of 480 hours of fieldwork are required in a center-based preschool with 3-5 year olds.

Semester Offering
Winter Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

Requirements

Simple Requisites

Corequisite Type
Corequisite
Earn a minimum grade of C in the following: • ED210 - Child Care and Guidance
Additional Comments:

ELTC103 - Residential Wiring

Overview

Department(s)
Electricity/Electronics

Course Description
A study of the layout, installation and testing of electrical components and circuits found in residential wiring. Extensive hands-on assignments are combined with the application of the current National Electrical Code governing residential wiring.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
1

Requirements

Simple Requisites

Prerequisite Type

Prerequisite

Complete ALL of the following Courses:
- ELTC101AL&L - Electricity-Basic

Additional Comments:

ELTC104A - Basic Industrial Robotics

Overview

Department(s)
Electricity/Electronics

Course Description
Introduction to industrial robotics programming, uses, maintenance and troubleshooting, and their integration into an automation environment. The students will learn about the mechanics of the robots, servo motor control, programming commands through the operator interface pendant, and safety aspects of the work-cells as well as electrical and mechanical systems. Programming tasks are the core focus of the class including basic motion commands, positional information and control, error conditions and recovery, special setup procedures, non-motion and advanced programming commands, testing and verification, and back-up and recovery. The class is taught through hands-on projects and tasks to develop knowledge in material handling applications using full program definition and demonstration of their skills.

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

ELTC106 - Fire Alarm Systems

Overview

Department(s)
Electricity/Electronics

Course Description
This course provides an overview of fire alarm systems. Topics include initiating devices, control panels, notification devices, monitoring and communications, general installation guidelines and code standards.

Semester Offering
Fall Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Complete ALL of the following Courses:
- ELTC101AL&L - Electricity-Basic

Additional Comments:

ELTC150 - Industrial Electricity

Overview

Department(s)
Electricity/Electronics

Course Description
This course is intended for electrical maintenance personnel with some previous electrical experience or coursework. It will review basic DC and AC electrical theory and components, safety, use of test instruments and electrical symbols. Other topics include: ladder diagrams, control circuits, starters, contactors, relays, and overload devices. Troubleshooting will be emphasized and there will be an introduction to the use of programmable controllers for machine control.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
1

Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Complete ALL of the following Courses:
- ELTC101AL&L - Electricity-Basic

Additional Comments:

ELTC152 - National Electrical Code

Overview

Department(s)
Electricity/Electronics

Course Description
This course covers the National Electrical Code as currently adopted by the State of Michigan. Designed for the apprentice electrician, this course is also approved by the State of Michigan for the required upgrade for Journeymen and Master Electricians.

Semester Offering
Summer Session Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

ELTC203 - Advanced Programmable Controllers

Overview

Department(s)
Electricity/Electronics

Course Description
This course is a continuation of ELTC-160. Applications and programming of advanced instructions from the Allen-Bradley SLC 500/MicroLogix 1000 instruction set are covered. Topics include data handling, logic functions, bit shift/ sequencer functions, math operations, analog I/O, subroutine files and interrupts.

Semester Offering
Summer Session Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
1

Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Complete ALL of the following Courses:
- ELTC160L&L - Programmable Controllers

Additional Comments:

ELTC204A - Advanced Industrial Robotics

Overview

Department(s)
Electricity/Electronics

Course Description
Advanced industrial robotics programming, work-cell design, maintenance and troubleshooting, and their integration into an automation environment. The students will learn about vision systems, lighting, communications with other robots, communications with PLCs. Vision and communication tasks are the core focus of the class including part recognition, part inspection, offsets, robot-to-robot integration, and robot-to-external controller integration. The class is taught through hands-on projects and tasks to develop knowledge in material handling applications using full program definition and demonstration of their skills.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
2

Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Earn a minimum grade of C in the following:
- ELTC104A - Basic Industrial Robotics

Additional Comments:

ELTC210 - Industrial Communications

Overview

Department(s)
Electricity/Electronics

Course Description
Industrial communications protocols, hardware requirements, and writing will be explored and connected in the lab. The students will learn about various communication choices between peripheral devices and hosts, and security automation devices, and supervisory systems. Communication concepts, standards, networks are covered. The class is taught through hands-on projects and tasks to develop knowledge in communication applications between various industrial devices and demonstration of their skills.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
1

Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Earn a minimum grade of C in the following:
- ELTC160L&L - Programmable Controllers

Additional Comments:

ELTC220 - Electrical Troubleshooting

Overview

Department(s)
Electricity/Electronics

Course Description
Troubleshooting theory and process will be used to find, fix, and document a variety of electrical and system problems. The students will learn about test equipment, processes, and characteristics of various electronic and industrial devices. The students will troubleshoot using controlled and informed methodology. Documentation of finding, actions, and outcomes will be performed. The class is taught through hands-on projects and tasks to develop knowledge and skills.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
1

Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Earn a minimum grade of C in the following:
- ELTC150 - Industrial Electricity
  OR ELTC160L&L - Programmable Controllers

Additional Comments:

ELTC101AL&L - Electricity-Basic

Overview

Department(s)
Electricity/Electronics

Course Description
A theory and activity course designed to introduce the basic relationships between voltage, current, and resistance. Topics include: soldering, DC circuits, volt-ohm-amp meter operation, alternating current, relays, ladder diagrams, residential wiring, and safety. Practical laboratory experiments reinforcing the above topics are provided.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits
Credit Hours
Credit Hours
4

Contact Hours
Contact Hours in excess of Credit Hours
2

Requirements
Simple Requisites

Prerequisite Type
Prerequisite

Complete ALL of the following Courses:
- ELTC101AL&L - Electricity-Basic

Additional Comments:

ELTC160L&L - Programmable Controllers

Overview
Department(s)
Electricity/Electronics

Course Description
This course introduces the concept of machine control through programmable controllers. Program design, controller operation, wiring techniques, programming techniques, and applications are examined; related lab exercises will be conducted with Allen-Bradley SLC 500 controllers and RS Logix 500 Software.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
1

Requirements
Simple Requisites

Prerequisite Type
Prerequisite

Complete ALL of the following Courses:
- ELTC101AL&L - Electricity-Basic

Additional Comments:

ELTR101A - Electronics-Basic

Overview
Department(s)
Electricity/Electronics

Course Description
Topics include: series and parallel circuits, batteries, electromagnetism, conductors, insulators, volt-ohm-amp-meters, oscilloscopes, capacitance, inductance, resonance, impedance matching, and transformers. Laboratory experiments reinforcing the above topics are provided. This course covers: familiarity with common hand tools, safety practices, soldering, use and care of common laboratory equipment.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
4

Contact Hours
Contact Hours in excess of Credit Hours
3

Requirements
Simple Requisites

Prerequisite Type
Completion Requirement

Complete ALL of the following Courses:
- ELTC101AL&L - Electricity-Basic

Additional Comments:

ELTR102B - Electronics 1: Active Devices

Overview

Department(s)
Electricity/Electronics

Course Description
This is a course in solid-state devices and circuits. It includes performance measurements, device testing, multi-stage amplifiers, coupling techniques, amplifier design, and feedback principles. Some devices covered are BJTs, JFETs, MOSFETs, and diodes. Laboratory experiments will be required.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
2

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Complete ALL of the following Courses:
- ELTR101A - Electronics-Basic

Additional Comments:

ELTR112A - Digital Electronics I

Overview

Department(s)
Electricity/Electronics

Course Description
Digital Electronics I is the first course in a three-semester sequence of digital courses. Content includes number systems, codes, logic gates, Boolean algebra and combinational logic circuits. Relevant laboratory experiments will be required of students each week.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
2

ELTR202B - Industrial Electronic Systems

Overview

Department(s)
Electricity/Electronics

Course Description
The advanced study of electronic circuits and their application to the control of industrial and commercial equipment and processes. The design, construction and analysis of operational circuits includes power supplies, relays, programmable controllers PLC's), timing circuits, industrial sensors, variable speed drives (VFD's), motors with their associated control circuits. Proper procedures are stressed in laboratory assignments which are designed to provide practical experiences for the student.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
2

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Complete ALL of the following Courses:
- ELTC160L&L - Programmable Controllers

Additional Comments:

ELTR212A - Biomedical Instrumentation II

Overview

Department(s)
Electricity/Electronics

Course Description
This course introduces the student to operating and servicing basic medical instrumentation such as EEG, ECG, defibrillators, safety analyzers, etc. Basic physiological signals and terminology are covered. Typical medical equipment circuits are constructed and tested. Electrical safety is emphasized.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
2

Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Complete ALL of the following Courses: • ELTR214 - Biomedical Instrumentation I
Additional Comments:

ELTR214 - Biomedical Instrumentation I

Overview

Department(s)
Electricity/Electronics

Course Description
Students will acquire a knowledge of the language common to electronics and the medical profession based on spelling, pronunciation and definition of words and terms related to anatomy, medical equipment, electronic test equipment and safety. Students will become acquainted with the fundamentals of medical equipment and testing concepts. Students will be introduced to the field of Biomedical Engineering Technology as a career.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Complete ALL of the following Courses: • ELTC150 - Industrial Electricity
Additional Comments:

EMTCR - Emergency Medical Technician

Overview

Is this course available online?
No

Credits

Credit Hours

Credit Hours
0.5

Contact Hours

Contact Hours in excess of Credit Hours
0

ENG101 - English Composition

Overview

Department(s)
English

Course Description
A course in which students will develop the abilities to read critically, to think logically, to discuss intelligently, and primarily to write effectively using exposition, argumentation, and research. A grade of C or better is required to enter into English 102.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

1

Requirements

Simple Requisites

> Follow placement guidelines.

ENG101HON - English Composition-Honors

Overview

Department(s)

English

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

> Take ENG-101

ENG102 - English Composition

Overview

Department(s)

English

Course Description

A course in which the student will develop the ability to interpret and criticize a variety of literary forms, especially fiction, drama and poetry. Students will discuss these works and write critical essays.

Semester Offering

Fall, Winter and Summer

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Earn a minimum grade of C in the following:**
> > - ENG101 - English Composition
>
> **Additional Comments:**

ENG102HON - English Composition-Honors

Overview

Department(s)

English

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

ENG130HON - Intro to Woman's Studies Honors

Overview

Department(s)

English

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Take ENG-130

ENG200A - Heroes of Early Western Literature

Overview

Department(s)

English

Course Description

An intensive study of selected major literary works of Western Civilization from 2600 B.C. through the Renaissance.

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Complete ALL of the following Courses: ENG102 - English Composition
Additional Comments:

ENG200HON - Literature of West. Civilization Hon

Overview

Department(s)

English

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

ENG201A - Heroes of Later Western Literature

Overview

Department(s)

English

Course Description

A continuation of English 200. Study of world literary classics from the Renaissance until modern times.

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Complete ALL of the following Courses: ENG102 - English Composition
Additional Comments:

ENG201HON - Lit of West Civiliz-Honors

Overview

Department(s)
English

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

ENG204HON - Intro. to Fiction - Honors

Overview

Department(s)
English

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> Take ENG-204

ENG205 - Introduction to Poetry

Overview

Department(s)
English

Course Description
An introduction to the study of poetry with the purpose of developing critical values, and the ability to read with understanding and appreciation. Students will each select a poem by a leading English or American poet as the basis of a major critical study.

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - ENG101 - English Composition
> >   **AND** ENG102 - English Composition
>
> **Additional Comments:**

ENG207 - Literature of Race & Ethnicity

Overview

Department(s)
English

Course Description
This course studies literary works by multicultural writers who, historically, have been marginalized in the United States: African American, Native American, Asian American, and Latinx (Hispanic), as well as those of the Middle Eastern diaspora. The course focuses on race, ethnicity, minority status, and the immigrant experience and considers concepts such as assimilation, cultural persistence, outsider status, and hybrid identity. Students will learn how these writers reconceptualize essential human ideals of love, loyalty, home, family, and belonging through an examination of fiction, poetry, plays, film, and music.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours

0

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Complete ALL of the following Courses: • ENG102 - English Composition OR corequisite enrollment in ENG-102 with instructor permission
Complete ALL of the following :
Additional Comments:

Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Complete ALL of the following Courses: • ENG102 - English Composition
Additional Comments:

ENG208HON - Introduction to Cinema Honors

Overview

Department(s)

English

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

ENG210HON - English 210 - Honors

Overview

Department(s)

English

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

ENG210 - The Nature of Language

Overview

Department(s)

English

Course Description

Introduction to the English language through a study of its history and characteristics as described by structural and transformational grammarians and cultural mavens. Interested students are advised to contact the Chairperson of the English Department.

Is this course available online?

No

ENG211 - Literature of World Mythology

Overview

Department(s)

English

Course Description

Overview of representative Greco-Roman, Middle Eastern, Norse, English, Pacific Island, Indian, Chinese, Japanese, African, South American, Native American mythology and epics. Surveyed for understanding of creation, Fertility and Hero myths and their meaning in our cultural and personal attitudes and ideas.

Semester Offering

Winter Semester Only

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Complete ALL of the following Courses: • ENG102 - English Composition
Additional Comments:

ENG213 - Literature of Shakespeare

Overview

Department(s)

English

Course Description

Overview of Western Civilization's most respected and famous author, William Shakespeare. The course explores several plays and poems in depth as well as the culture and traditions of Shakespeare's England. In addition, students will discover Shakespeare's influence on our contemporary world. Field trips are anticipated (optional).

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Complete ALL of the following Courses: • ENG102 - English Composition
Additional Comments:

ENG213HON - Literature of Shakespeare-Honors

Overview

Department(s)

English

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

ENG216 - Introduction to Film

Overview

Department(s)

English

Course Description

An introduction to the art of the film as story telling/narrative; the course might include foreign and domestic films, documentary film, and a few (2-3) experimental and/or underground films. In addition to thematic study of films, the course explores the various elements of story-telling/narrative through movies: characterization, purposes of setting, theme, symbolism, music, lighting, etc.

Semester Offering

Fall and Winter

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Prerequisite Type

Prerequisite

Complete ALL of the following Courses:
- ENG102 - English Composition

OR concurrent with ENG-102 with instructor permission

Additional Comments:

ENG216HON - Introduction to Film Honors

Overview

Department(s)

English

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

ENG218A - Horror, Fantasy, and Science Fiction

Overview

Department(s)

English

Course Description

This course focuses on three genres of literature possessing rich histories in the development of folklore, literary forms, and literary criticism, as well as abundant connections with the development of popular culture in the twentieth and twenty first centuries. The class will read five novels spanning these genres, as well as selected short works of fiction and commentary by authors and critics active in these fields. In addition, films with connections to the literature will be viewed to better understand the themes expressed in the literature and their popular reception in a visual medium.

Semester Offering

Winter Semester Only

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Prerequisite Type

Prerequisite

Complete ALL of the following Courses:
- ENG102 - English Composition

Additional Comments:

ENG218AHON - Horror, Fant & Sci Fict-Honors

Overview

Department(s)

English

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Take ENG-218A

ENG220 - Graphic Novels

Overview

Department(s)
English

Course Description
Graphic Novels explores the graphic novel, a more extended literary form of the comic book. Looking at comics from the Silver Age to graphic works of today, this course explores the art, the text, the authors and the historical context of each work looking for connections to our pasts, presents and futures. Students in this course will also have the opportunity for a field trip to an annual Comic Con.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Earn a minimum grade of C in the following:**
> > - ENG101 - English Composition
>
> **Additional Comments:**

ENG221HON - Advanced Writing I-Honors

Overview

Department(s)
English

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

ENG222 - Creative Writing

Overview

Department(s)
English

Course Description
The study of writing techniques as well as actual writing and critical discussion of various types of short fiction are stressed. Students are encouraged to take a literature course prior to enrolling in this writing-intensive course.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - ENG102 - English Composition
>
> **Additional Comments:**

ENG222HON - Creative Writing-Honors

Overview

Department(s)
English

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

ENG223 - Poetry Writing Seminar

Overview

Department(s)

English

Course Description

An informal forum in which students experiment writing their own poetry. It includes the study of open forms and patterned forms. Students discuss each other's work as well as the works of modern and contemporary poets.

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - ENG102 - English Composition
>
> **Additional Comments:**

ENG223HON - Poetry Writing Seminar Honors

Overview

Department(s)

English

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

ENG225 - Major American Writers-American

Overview

Department(s)

English

Course Description

This course is a study of representative literature of the United States from the earliest settlement to 1865.Serving both the historical and critical perspectives, the focus is upon certain recurring themes which have grown out of the American experience and their continuing relevance for today's student.

Semester Offering

Fall Semester Only

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - ENG102 - English Composition
>
> **Additional Comments:**

ENG225HON - Major American Writers-Honors

Overview

Department(s)

English

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

ENG226 - Major American Writers-American

Overview

Department(s)

English

Course Description

Continuation of English 225, from the Civil War to the present.

Semester Offering

Winter and Summer

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Complete ALL of the following Courses: • ENG102 - English Composition

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OR concurrent enrollment in ENG 102 with instructor permission
Additional Comments:

ENG226HON - Major Amer Writ-Am Lit Ii-Honors

Overview

Department(s)

English

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

ENG227 - British Literature I (673-1744)

Overview

Department(s)

English

Course Description

In Introduction to British Literature I (673-1744), students will survey the realm of British Literature and discuss its forms, functions, meanings, and themes. Students will write formal and informal interpretations of the writings and complete essays and take two exams.

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Prerequisite

Type
Prerequisite

Complete ALL of the following Courses:
- ENG102 - English Composition

Additional Comments:

think about issues such as the search for identity, power, societal roles, relationships and conflict, marriage, sexuality, treatment as the other, responses to patriarchy, achievement, and daily life. Students will be exposed to contemporary feminist criticism and encouraged to think critically about the impact of gender on literature, expression, and experience.

Semester Offering
Fall and Winter

Is this course available online?
Yes

ENG228 - British Literature II (1750-Today)

Overview

Department(s)
English

Course Description
From Frankenstein to Dracula, Peter Pan to Harry Potter, British Literature has impacted society and culture in amazing and important ways. British Literature II explores the time periods, the works, and the authors from the United Kingdom (England, Scotland and Wales) as well as some from Ireland and India (spanning from 1750 to today) to give students a wide introduction into the literature that has greatly influenced and informed the current world in which we live.

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Complete ALL of the following Courses:
- ENG101 - English Composition
  AND ENG102 - English Composition

Additional Comments:

ENG231HON - Themes in Women's Studies-Hon

Overview

Department(s)
English

Is this course available online?
No

Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Complete ALL of the following Courses:
- ENG102 - English Composition

OR corequisite enrollment in ENG 102 with instructor permission

Additional Comments:

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

ENG231 - Themes in Women's Literature

Overview

Department(s)
English

Course Description
English 231 examines women in contemporary American culture viewed from literary, historical, psychological, political, sociological and multicultural perspectives. The course explores the variety of writing styles women have used to

ENG297GN - The Graphic Novel Experience

Overview

Department(s)
English

Course Description
This course studies the graphic novel, a more extended literary form of the comic book. As a hybrid genre (art and literature), many literary scholars avoid including graphic novels in the academic conversation because it does not fit neatly into the already established genres. This course will examine graphic works by situating each within its historical, social and cultural context, working to gain a deeper understanding of the genre and its place within literature, as a whole, through discussion and analysis.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>
> > **Earn a minimum grade of C in the following:**
> > - ENG101 - English Composition
>
> **Additional Comments:**

ENG299RV - River Voices Journal

Overview

Department(s)
English

Course Description
A course in which the student will develop the ability to create and implement marketing strategies, evaluate submissions, and format the layout of a published journal.

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

ENGR105 - Introduction to Engineering

Overview

Department(s)
Engineering

Course Description
An introduction to the engineering profession and to its various disciplines; to the professional skills required of engineers; including oral and written communications, ethics of the profession, and team building and teamwork; and to the design process. Video presentations of professional activities and studies will be shown.

Semester Offering
Fall Semester Only

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Removal of Math Prerequisite for ENGR 105.**
> **Type**
> Prerequisite
>
> **Additional Comments:**
> Change from Math 100A to no math requirement to take ENGR 105.

ENGR202 - Statics

Overview

Department(s)
Engineering

Course Description
A study of force systems in two and three dimensions. Composition and resolution of forces and force systems, principles of equilibrium applied to various bodies, simple structures, friction, centroids, moments of inertia. Vector algebra is used where appropriate.

Semester Offering
Fall Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - PHYS203L&L - Engineering Physics Lecture & Lab
> >   **AND** MATH162A - Calculus II
>
> **Additional Comments:**

ENGR204 - Engineering Dynamics

Overview

Department(s)
Engineering

Course Description
Vector description of force, position, velocity, and acceleration in fixed and moving reference frames. Kinematics and kinetics of particles, assemblies of particles and rigid bodies. Includes translation, plane motion, rotation, and impulse-momentum and work-energy methods. Introduction to vibrations and time response. Graphing calculators will be utilized.

Semester Offering
Winter Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Earn a minimum grade of C in the following:**
> > - ENGR202 - Statics
>
> **Additional Comments:**

ENGR204HON - Engineering Dynamics-Honors

Overview

Department(s)
Engineering

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> Take ENGR-204

ENV297 - Aquatic Ecology

Overview

Department(s)
Biology

Course Description
This course will introduce students to important ecological phenomena and processes that occur in aquatic (freshwater) ecosystems. The Great Lakes as well as regional streams, lakes, and wetlands will be studied in detail to provide context for the ecological concepts covered. The course will include online lectures and assignments at the beginning of the summer semester and a 1-week intensive field experience at the Central Michigan University Biological Station on Beaver Island in Northern Lake Michigan. The trip to CMU BS is a required component of the

course. For the Summer 2023 semester the Beaver Island CMU BS trip is scheduled for July 6-12. The course fee will cover transportation to/from Charlevoix, MI., ferry transport to/from Beaver Island, and all lodging and meals at the CMU BS.

Semester Offering
Summer Session Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
1

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - ENV110L&L - Environmental Science
> >
> > or Instructor Permission
>
> **Additional Comments:**

ENV110L&L - Environmental Science

Overview

Department(s)
Biology

Course Description
This is an introductory lecture and laboratory course for all students. This course includes study of relevant environmental issues occurring at regional to global scales. Natural and human systems throughout West Michigan will be studied to provide local context for broader environmental concepts. Through inquiry-based approaches, students will apply the scientific method by formulating hypotheses, collecting and analyzing data, and communicating results. On-campus and off campus field trips will be required as part of this course.

Semester Offering
Fall and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
2

FR101 - Basic French

Overview

Department(s)
Foreign Language Dept

Course Description
This is a beginning course for students who have had no previous study of French. The emphasis is on developing communication in French through listening, speaking, reading and writing activities.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> Recommend ENG-101 with a minimum grade of "C" prior to taking this course

FR102 - Basic French

Overview

Department(s)
Foreign Language Dept

Course Description
A continuation of FR-101. The student continues to develop the capacity to understand, speak, read and write French.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits
Credit Hours
Credit Hours
4

Contact Hours
Contact Hours in excess of Credit Hours
0

Requirements
Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Earn a minimum grade of C in the following:**
> > - FR101 - Basic French
> >
> > or successful completion of two recent years high school French and instructor permission
>
> **Additional Comments:**

FR201 - Intermediate French

Overview
Department(s)
Foreign Language Dept

Course Description
This second-year course is designed to improve the four basic skills begun in the first year. This course reviews and reinforces material learned in the first year, examines more tenses and other aspects of grammar, and provides practice in expanding capabilities in reading, writing, speaking and understanding French.

Is this course available online?
No

Credits
Credit Hours
Credit Hours
4

Contact Hours
Contact Hours in excess of Credit Hours
0

Requirements
Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Earn a minimum grade of C in the following:**
> > - FR102 - Basic French
> >
> > or satisfactory completion of three recent years high school French and instructor permission
>
> **Additional Comments:**

FR202 - Intermediate French

Overview
Department(s)
Foreign Language Dept

Course Description
This course is a continuation of FR-201.

Is this course available online?
No

Credits
Credit Hours
Credit Hours
4

Contact Hours
Contact Hours in excess of Credit Hours
0

Requirements
Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Earn a minimum grade of C in the following:**
> > - FR201 - Intermediate French
> >
> > Or successful completion of four recent years high school French and instructor permission
>
> **Complete ALL of the following :**
>
> **Additional Comments:**

FS101L&L - Introduction to Food Science & Process

Overview

Department(s)
Biology

Course Description
The Intro to Food Science and processing course is an introductory course that teaches terminology and concepts necessary to communicate in the Food Manufacturing Industry. The course introduces the basic chemistry of food, testing of food and soil, the types of microbiological organisms present, and food preservation. Calculations for product formulation from lab scale to batch processes will be performed. Also included are topics and case studies in packaging, contamination, food biotechnology, and careers in the agricultural industry. A lab component is included whereby the concepts in the course is demonstrated and critical thinking skills will have to be applied in order to solve problems. Experiments will include fermentation, analytical testing of food and soil, production of biodiesel, canning, and use of analytical tools for measurement. The Produce Safety Alliance Grower Certification that meets the Food Safety Modernization Act (FSMA) Produce Safety Rule is included.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
1

GEOG101A - Physical Geography - Lecture and Lab

Overview

Department(s)
Geography

Course Description
Physical Geography is a course study in Earth Systems Science; the atmosphere, hydrosphere, and surface features of the lithosphere. The course work focuses on the development of geographic models and their use as a tool to explain phenomena in man's physical environment.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
1

GEOG101AHON - Physical Geography Honors

Overview

Department(s)
Geography

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

GEOG104 - Cultural Geography

Overview

Department(s)
Geography

Course Description
A study of the world's people and how they occupy the earth. Important topics include: population density and distribution, languages, religions, political systems and international relations, economic systems, and urbanization. Emphasis will be placed on spatial thinking and global interconnectedness.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in
excess of Credit
Hours

0

GEOG105 - World Regional Geography

Overview

Department(s)

Geography

Course Description

World regional geography is an introductory examination of the major cultural realms of the world areas which share similar cultural and economic conditions. The physical environment and human impact on that environment will also be studied for each region. Units of study may include: Anglo-America, Europe, Russia and her neighbors, sub-Saharan Africa, North Africa/Southwest Asia, Monsoon Asia, East Asia, and middle and South America. Emphasis will be placed on spatial thinking and global interconnectedness. A previous course in physical or human geography would be helpful, but is not mandatory.

Semester Offering

Winter Semester Only

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in
excess of Credit
Hours

0

GEOG214 - Science of Climate Change

Overview

Department(s)

Geography

Course Description

The science behind climate change and its potential impacts will be the focus of this course. A study of the major climate systems, their controls, distributions and significance will form the course foundation. Paleoclimatology, global gas distributions, and climate impact assessment will support analysis from an interdisciplinary approach to this science study.

Semester Offering

Fall, Winter and Summer

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in
excess of Credit
Hours

0

GEOG214HON - Science of Climate Change-Honors

Overview

Department(s)

Geography

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in
excess of Credit
Hours

0

Requirements

Simple Requisites

Take GEOG-214

GEOG215 - Introduction to Weather and Climate

Overview

Department(s)

Geography

Course Description

This course is an introductory study of the atmosphere which includes both weather and climate. Fundamental physical laws governing weather elements will be examined, such as solar radiation, temperature, moisture, pressure, winds, and weather systems. Current weather data is delivered via the internet, which is coordinated with learning activities. Students will be introduced to the excitement of weather in near real-time. Broad aspects of climates and local microclimatology will also be integrated. An optional field trip to the National Weather Service Office, Grand Rapids may be offered. No prerequisites, although physical geography, and the knowledge of basic computer skills including the ability to manipulate images, are recommended.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits
Credit Hours
Credit Hours
4

Contact Hours
Contact Hours in excess of Credit Hours
1

GEOG251 - Introduction to GIS

Overview
Department(s)
Geography

Course Description
This course provides a foundation in geographic information systems (GIS) such as data types, cartography, queries, classification, basic editing, basic raster analysis, uses of GPS devices and related data map overlay techniques. The theory and operation of GPS receivers and data integration with GIS is covered in multi-week student initiated projects. This course requires advanced computer skills (knowledge of hardware\software, file transfer, import\export of various data types, Boolean Internet search techniques, etc.).

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
0

Requirements
Simple Requisites

Prerequisite
Type
Prerequisite
Complete ALL of the following Courses:

- ENG101 - English Composition
  AND CIS120A - Intro to Computer Information Systems

Complete at least 1 of the following courses:
•
OR TMAT101A - Technical Math I

Or Higher Level Math Class

Additional Comments:

GEOG260 - Geoscience Field Experience

Overview
Department(s)
Geography

Course Description
Geoscience is an all-encompassing course of study focused on the planet earth. The purpose of this course will be to provide students with integrated field experience in the Geosciences. A significant portion of the course work is completed in the field at a local or distant location depending upon the title and focus of the course for a given semester. Students will explore the physical and cultural geography of the focus area. Students will make field observations, create sketches, record data, and construct a field notebook detailing all aspects of their field experience. Participation is required in all field activities. The course will include pre-trip class sessions and post-trip class sessions. There will be off campus travel for this course. Approximate costs are dependent on the field location and duration of the fieldwork.

Is this course available online?
No

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
0

GEOG297D - Science of Climate Change

Overview
Department(s)
Geography

Course Description
The science behind climate change and its potential impacts will be the focus of this course. A study of the major climate systems, their controls, distributions and significance will form the course foundation. Paleoclimatology, global gas distributions, and climate impact assessment will support analysis from an interdisciplinary approach to this science study.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
0

GEOG297SP - Sustainability and Place

Overview
Department(s)
Geography

Course Description
Global Climate Crisis is an introductory I-credit course providing a geographic survey of climate change evidence, impacts, and vulnerabilities around the world. Attention will be given to causes of the unfolding global climate crisis, climate change scenarios through the end of this century, and mitigation, adaptation, and resiliency-planning strategies.

Semester Offering
Fall Semester Only

Credits
Credit Hours
Credit Hours
1

GEOG299IN - Geography Inquiry

Overview
Department(s)
Geography

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

GEOG299IN2 - Geography Inquiry

Overview
Department(s)
Geography

Is this course available online?
No

Credits
Credit Hours
Credit Hours
2

Contact Hours
Contact Hours in excess of Credit Hours
0

GEOL100 - Natural Disasters

Overview
Department(s)
Geology

Course Description
Natural disasters are major events on Earth that often have extreme consequences. This course is a survey of geoscience through an examination of natural hazards, including the causes and effects of earthquakes, volcanic eruptions, tsunamis, floods, climate change, and more. Case studies of natural disasters will be discussed, focusing on the geologic context of the hazard and its Impact on society, individuals, and the environments. The course will examine how society minimizes the risks associated with disasters and students will develop a foundation for critically evaluating future approaches to managing hazards. This course Is designed for students without an extensive background in science or math and who do not plan to major in geology. Potential geology majors should take GEOL-101A.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
0

GEOL101A - Introduction to Physical Geology

Overview
Department(s)
Geology

Course Description
Physical geology is the scientific study of the materials, structures and systems of the planet Earth. Students will investigate the processes affecting the interior and exterior of the Earth, and the rocks, minerals, and structures produced by these processes. The course may include a one-day weekend field trip, weather permitting.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits
Credit Hours

Credit Hours
4

Contact Hours
Contact Hours in excess of Credit Hours
1

GEOL101AHON - Intro to Phys Geology-Honors

Overview
Department(s)
Geology

Is this course available online?
No

Credits
Credit Hours

Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

GEOL102 - Introduction to Earth History

Overview
Department(s)
Geology

Course Description
GEOL-101 is not a prerequisite for GEOL-102. This course is an introduction to the geologic history of the planet Earth and its life forms. Based on the unifying theories of plate tectonics and organic evolution, the course presents the evidence used by geologists to reconstruct Earth's ancient environments and organisms, and establishes connections between Earth's past and present environments. The course may include a one-day weekend field trip, weather permitting.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits
Credit Hours

Credit Hours
4

Contact Hours
Contact Hours in excess of Credit Hours
1

GEOL102HON - Intro to Earth History-Honors

Overview
Department(s)
Geology

Is this course available online?
No

Credits
Credit Hours

Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

GER101 - Basic German

Overview
Department(s)
Foreign Language Dept

Course Description
This course is the first semester of a communicative language course to promote proficiency and practical competence in elementary German. It will focus on the essential elements of effective communication by teaching skills in listening, speaking, reading and writing. It will also provide cultural insights into life in German-speaking countries.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

GER101HON - Basic German - Honors

Overview

Department(s)
2323b4de-6b6f-4fa5-a577-97e1de00a59b

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> Take GER-101

GER102 - Basic German

Overview

Department(s)
Foreign Language Dept

Course Description
This course is a continuation of GER 101 with continued emphasis on communication and proficiency.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Earn a minimum grade of C in the following:**
> > - GER101 - Basic German
> >
> > Or successful completion of two recent years high school German and instructor permission
>
> **Additional Comments:**

GER102HON - Basic German-Honors

Overview

Department(s)
Foreign Language Dept

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

GRD101 - Introduction to InDesign

Overview

Department(s)
Graphic Design

Course Description
This course explores the components, terminology, features, and uses of InDesign. Emphasis is given to creating professional-looking layouts utilizing InDesign as the layout vehicle. Through hands-on lectures, demonstrations, and projects, the student will learn the essential techniques and functions of the program while understanding some of the more complex issues of this software.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
0

GRD102 - Introduction to Illustrator

Overview
Department(s)
Graphic Design

Course Description
This course explores the components, terminology, features, and uses of Illustrator. Emphasis is given to creating professional-looking artwork and graphics utilizing Illustrator as the layout vehicle. Through hands-on lectures, demonstrations, and projects, the student will learn the essential techniques and functions of the program while understanding some of the more complex layout issues that designers face when using the software.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
0

GRD103 - Introduction to Photoshop

Overview
Department(s)
Graphic Design

Course Description
This course introduces the components, terminology, features, and uses of Photoshop. Emphasis is given to creating professional-looking artwork and graphics utilizing Photoshop as the layout vehicle. Through hands-on overviews, tutorials, and competencies, the student will learn advanced techniques of the program while understanding some of the more complex issues that designers face when using this software.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
0

GRD110 - Principles of Design

Overview
Department(s)
Graphic Design

Course Description
This course provides an introduction to the visual and verbal vocabularies, and the principles and elements of design as they relate to graphic design. The student will focus on making connections between idea and visualization using type, imagery, and color to solve communication problems. The Initial stages of the design process and various forms of conceptualizing will be emphasized throughout the course.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
3

GRD120 - Introduction to Graphic Design

Overview

Department(s)
Graphic Design

Course Description
Practice of basic design vocabulary, elements, and principles. Individual elements of design such as line, shape, value, texture, space, size and color will be explored as they relate to electronically generated digital formats and print designs. Emphasis will be given to the principles of design (i.e., balance, emphasis, rhythm and unity) to analyze the effectiveness of printed communications and other related electronic media. Students will create basic designs in contemporary design software including Illustrator, Photoshop and InDesign.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours
Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

Requirements

Simple Requisites

> Recommend prerequisite GRD-110 and one of the following: GRD-101, GRD-102, or GRD-103

GRD140 - Introduction to Typography

Overview

Department(s)
Graphic Design

Course Description
Introduction and study of history, vocabulary, and principles of typography. Basic type identification, styles, and measurement will be discussed and practiced. The primary purpose of type as a means communication combining readability and legibility will be reinforced. Design elements and principles will be presented in relation to designing with type.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours
Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

Requirements

Simple Requisites

> Recommend GRD-110 and one of the following: GRD-101, GRD-102, or GRD-103

GRD160 - History of Graphic Design

Overview

Department(s)
Graphic Design

Course Description
This course will explore the evolution of graphic design from the invention of the alphabets to the age of mass media, from the invention of the printing press to the present. Students will be required to give oral presentations, participate in team exercises and write brief surveys of various elements within course readings. Outside research will be required as well as text readings.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours
Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

GRD205 - UX Design and Implementation Foundation

Overview

Department(s)
Graphic Design

Course Description
This course explores principles, methods, and practical applications of User Experience (UX) design. Students will understand the creations of digital products prioritizing user satisfaction, accessibility, and business objectives. The course

covers career options, user research, persona creation, information architecture, interaction design, visual design, usability evaluation, and ethical considerations, preparing students to enter the field of UX or further their education in design. Through hands-on projects, research and exposure to industry-standard tools, students will integrate theory with practical skills, preparing them for real-world UX challenges.

Semester Offering
Winter Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - CIS110 - Computer Concepts
> >   **OR** CIS120A - Intro to Computer Information Systems
> >
> > Recommended prerequisites GRD-120A and CIS-275A
>
> **Additional Comments:**

GRD210 - Graphic Design II

Overview

Department(s)
Graphic Design

Course Description
Students will learn about concept development, communication planning, and the execution of 2 and 3 dimensional designs through the development of an identity system as defined throughout the course. Criteria will be established and the solutions must be thoughtful, logical and conclusions appropriate. Solve and manage a complex communication problem. Develop cohesive program components to the identity system. Manage time accordingly to have all components complete by the established deadline.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - GRD110 - Principles of Design
> >   **AND** GRD120 - Introduction to Graphic Design
> >   **AND** GRD140 - Introduction to Typography
>
> **Additional Comments:**

> **Prerequisite Type**
> Prerequisite
>
> > **Complete at least 2 of the following courses:**
> > - GRD101 - Introduction to InDesign
> >   **OR** GRD102 - Introduction to Illustrator
> >   **OR** GRD103 - Introduction to Photoshop
>
> **Additional Comments:**

GRD280 - Portfolio Preparation

Overview

Department(s)
Graphic Design

Course Description
This course will focus on preparing the graduating student for college transfer or interviews and portfolio reviews with prospective employers. Students will analyze, critique, and update existing designs for inclusion in their professional portfolio. Students will also create a personal brand, identity system, and design their own resume. Upon course completion, students will have a professional portfolio in both digital and printed formats. Although there are no prerequisites, students should be at or near the final semester of the graphic design curriculum.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

GRD292 - Graphic Design Studio M

Overview

Department(s)
Graphic Design

Course Description
This is a capstone course for advanced design students. The practicum course is designed to emulate a working design studio. The instructor acts as the Creative Director managing students on a variety of projects selected from local businesses and organizations. Projects will vary depending on client needs. Students gain valuable experience and understanding of the field in a studio environment by combining conceptual ideas and technical skills, within a team environment. Learning opportunities will also include field trips to professional design firms. Professionalism is stressed through regular presentations to clients. Upon completion of the course students are required to present their work to the MCC Graphic Design Advisory Committee in a formal portfolio review and exhibition format.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

GRD299UX - Foundations of Ux Design & Implem.

Overview

Department(s)
Business

Is this course available online?
No

GRD290CI2 - Graphic Design Internship

Overview

Department(s)
Graphic Design

Course Description
This is a 2-credit capstone class. The purpose of the class is to give the student on-the-job experiences either in their area of interest or an area where they feel they would like further exposure that may not be available.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
0

GRD290CI3 - Graphic Design Internship

Overview

Department(s)
Graphic Design

Course Description
The Graphic Design Internship is a paid or non-paid fieldwork experience in the student's area of study, or area where they feel they would like further exposure that may not be available at the college. The course is offered on a pass/no pass basis.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

HE100A - Community First Aid and Safety

Overview

Department(s)

Health Education

Course Description

Course is designed to prepare the general public with first aid knowledge and skills necessary to care for most injuries and emergencies, including First Aid, Adult, Child, and Infant CPR and AED. Accident prevention information is included. American Red Cross certification can be awarded upon satisfactory completion of 80% or better.

Semester Offering

Fall, Winter and Summer

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

2

Contact Hours

Contact Hours in excess of Credit Hours

0

HE102 - Nutrition for Fitness & Sport

Overview

Department(s)

Health Education

Course Description

A course designed to provide holistic health and information to the individual who is physically active, or to those who desire to initiate a personalized fitness program. Required for individuals interested in Physical Education and Health Education majors.

Semester Offering

Fall, Winter and Summer

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

HE102HON - Nurtrition for Fitness & Sports Honors

Overview

Department(s)

Health Education

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Take HE-102

HE106 - Concepts of Health and Well-being

Overview

Department(s)

Health Education

Course Description

This class is designed to advance the student's knowledge and to enhance their own health. An examination of national health priorities regarding the reduction of preventable death, disease and disability will be studied. Health related issues included are: substance abuse, stress reduction, grief and loss, development of healthy relationships, sexually transmitted diseases, lifestyle related diseases and principles of a healthy life-style.

Semester Offering

Fall, Winter and Summer

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

HE110 - Industrial Safety and Workplace Training

Overview

Department(s)

Health Education

Course Description

Industrial Safety and Workplace Training is a first aid, prevention, and cardiopulmonary resuscitation (CPR/AED) program to prepare individuals to respond to injuries and sudden illnesses that may arise in the workplace. This course is designed to meet the specific training needs of employers and their employees. The course gives individuals in the workplace the knowledge and skills necessary to prevent, recognize, and provide basic care for injuries and sudden illnesses until advanced medical personnel arrive and take over. Included area review of basic safety laws (MIOSHA, OSHA, HAZMAT, Safety Data Sheets) and personal safety measures, which an employee can practice at home in preparation for work.

Semester Offering

Fall and Winter

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

1

HE120 - Introduction to Public Health

Overview

Department(s)

Health Education

Course Description

Students will learn the foundations and functions of public health, its history, and its current applications within national and global systems. Students will learn the ways biological, psychosocial, cultural, economic, environmental, philosophical, ethical, and financial realities impact both personal and population health as well as systems, interventions, and strategies to improve those outcomes. Cultural competence in public health and healthcare delivery will be emphasized. This course is part of the Public Health Transfer Pathway.

Semester Offering

Fall Semester Only

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

HE130 - Community Health

Overview

Department(s)

Health Education

Course Description

Students will expand their understanding of public health to include the specifics of community health needs, assessments, and interventions. The interconnectedness of public health systems with governmental and non-governmental organizations will be explained while providing students an opportunity to develop potential health promotion strategies to improve outcomes for given populations and public health concerns. Basic epidemiological and biostatistical concepts will also be covered.

Semester Offering

Winter Semester Only

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Recommended prerequisite HE-120

HE202A - Sports Injuries & Prevention

Overview

Department(s)
Health Education

Course Description
A study of the basic fundamentals of sports injury care. The course includes the organization of and procedures for the prevention and taping of sports injuries. BIO-105 is not required as a prerequisite but is strongly encouraged.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
1

HIST101 - Western Civilization to 1500

Overview

Department(s)
History

Course Description
This course will examine the development of Western Civilization from pre-history to the High Middle Ages/Renaissance, investigating the legacies of the Neolithic Period, ancient Mesopotamia and Egypt, Greece, Rome, Islam and Medieval Europe. Topics will include political structures, artistic expressions, religious beliefs, and intellectual developments. Social history will be emphasized, and several opportunities presented including travel to appropriate museums and historical sites, may be part of the course.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Free Form Requirements
None

HIST101HON - Western Civilization to 1500 (Honors)

Overview

Department(s)
History

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

HIST102 - Western Civilization -1500 to Present

Overview

Department(s)
History

Course Description
This course will investigate the development of modern Western Civilization covering the period from the Renaissance (about 1500) to the present, emphasizing the developments which have shaped the civilization of the 20th/21st century in the West: government, economics, society, religion, philosophy, ethics, science, and the arts.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

HIST102HON - Western Civil. 1500-Present Honors

Overview

Department(s)
History

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

HIST150 - World History to 1500 CE

Overview

Department(s)
History

Course Description
This course deals with basic content and methods of history through an introductory study of world cultures before 1500 CE. The course focuses on specific societies in Africa, Asia, Europe, and the Western Hemisphere, analyzing and comparing the ways in which political, economic, social, cultural, and demographic factors influenced the development of these various cultures.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

HIST150HON - World History to 1500 Ce-Honor

Overview

Department(s)
History

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

HIST151 - World History From 1500 CE

Overview

Department(s)
History

Course Description
This course deals with basic content and methods of history through an introductory study of world cultures from 1500 CE to the present. The course focuses on specific societies in Africa, Asia, Europe, and the Western Hemisphere; analyzing and comparing the ways in which political, economic, social, cultural, and demographic factors influenced the development of these various cultures.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

HIST151HON - World History From 1500 Honors

Overview

Department(s)
History

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

HIST201 - United States to 1877

Overview

Department(s)
History

Course Description
A course covering the history of the United States from its Native American and European origins to the end of Reconstruction. Major topics include the development of British colonial policy, the causes of the War for Independence, the formation of the Constitution and Bill of Rights, the development of democracy during the Jefferson and Jackson Administrations, immigration, industrial and urban history, Manifest Destiny and territorial expansion, the institution of slavery, the ante-bellum reform movement, the causes and consequence of the Civil War, and Reconstruction.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

HIST201HON - United States History to 1877 Honors

Overview

Department(s)
History

Is this course available online?
No

HIST202 - U.S. From Reconstruction-Present

Overview

Department(s)
History

Course Description
A study of the social, economic, political, and intellectual development of the American nation and people, from Reconstruction to the present. The major topics include: territorial expansion and American foreign policy; the growth and importance of industry and business; the urban community and its problems; trade-commerce fields; the urban community and its problems; industry and business; the struggle and achievement of labor; the study of immigration and race relations; the quest for women's equality; American educational and cultural advances; the increased use of government to improve society; the Cold War, détente and current, to developments in U.S. World relations; and the transformation of American Political ideology.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

HIST202HON - US 1877 Reconstruct to Present-Honors

Overview

Department(s)
History

Is this course available online?
No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

HIST202SUP - US-Reconstruction to Present

Overview

Department(s)

History

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

HIST207 - African American History

Overview

Department(s)

History

Course Description

A study of the dynamic role of Black people in the United States from their African origins to present day America. The course emphasizes significant Black contributions in American history, and selected achievements of African American women will be studied. Contemporary issues related to the African American experience in the U.S. will be researched. A visit to an African American historical site or event may be included in the course.

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

HIST211 - Michigan History

Overview

Department(s)

History

Course Description

A study of the social, economic, and political development of Michigan. Emphasis is on Michigan's history since the time of French exploration. Major topics dealt within the course include: American Indians; French exploration and settlement; Michigan under the British flag; territory-hood to statehood; Michigan's role in the Civil War; lumbering and mining activity in the latter half of the 19th century, the development of Michigan's automotive industry and the concurrent rise of industrial unionism in Michigan. Some emphasis will also be placed on Great Lakes history and the local history of the Muskegon area.

Semester Offering

Winter Semester Only

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

HIST212B - Gettysburg Battlefields

Overview

Department(s)

History

Course Description

This course concentrates on an intensive study of the pivotal battle for America's future: Gettysburg. Major topics include the varying causes of the Civil War, Northern and Southern armies and military strategy and the short and long ramifications of the three day battle for Gettysburg.

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in
excess of Credit
Hours
0

HIST214 - Siege of Vicksburg-US Civil War

Overview

Department(s)
History

Course Description
This course concentrates on an intensive study of a ten-month campaign resulting in a siege of the city of Vicksburg. Primary topics include examination of the geography and topography of the Mississippi Valley during the 1860's as at relates to the American Civil War.

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in
excess of Credit
Hours
1

HIST216 - Introduction to World War II

Overview

Department(s)
History

Course Description
This class will study the causes, the course, and the implications of World War II, this greatest of twentieth century conflicts. It will handle most of the geographic areas involved, the major diplomatic, political and military events, and some of the key figures of the war. It covers the time period of 1918 to the present, with an emphasis of course on the years 1939-1945.

Semester Offering
Winter Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in
excess of Credit
Hours
0

HIST216HON - Intro to Ww II - Honors

Overview

Department(s)
History

Credits

Credit Hours

Credit Hours
1

HIST216SUP - Introduction to World War II Sup.

Overview

Department(s)
History

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in
excess of Credit
Hours
0

HIST220 - Labor Studies

Overview

Department(s)
History

Course Description
A survey course studying and critically analyzing the historical, political, and legal frameworks of the labor movement, major labor laws, causes and purposes of the labor movement, union structure and behavior, and labor-management approaches to solving employment disputes in the U.S. and internationally.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

HP101 - Hydraulics/Pneumatics

Overview

Department(s)

Tech Related

Course Description

An overview of industrial fluid power technology with emphasis on hydraulic and pneumatic components and circuits. Practical hands-on exercises are provided using pneumatic training equipment. Component recognition and circuit analysis are covered for their applications to maintenance, modifications, and design activities in the field.

Semester Offering

Fall and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

1

HP201 - Advanced Hydraulics

Overview

Department(s)

Tech Related

Course Description

An overview of industrial fluid power technology with emphasis on advanced concepts. Practical hands-on exercises are provided using hydraulic training equipment. Component recognition and circuit analysis are covered for their applications to maintenance, modifications, and design activities in the field.

Semester Offering

Winter Semester Only

Is this course available online?

No

Credits

Credit Hours

Credit Hours

4

Contact Hours

Contact Hours in excess of Credit Hours

2

Requirements

Simple Requisites

> **Prerequisite Type**
>
> Prerequisite
>
> > **Earn a minimum grade of C in the following:**
> > - HP101 - Hydraulics/Pneumatics
>
> **Additional Comments:**

HUM195 - Introduction to Humanities

Overview

Department(s)

Humanities

Course Description

This course takes an interdisciplinary approach to surveying the rich history and core concepts of the humanities, including literature, art, music, theater, cinema, religion, and philosophy. Students will explore what it means to be human by engaging with recurring themes in different art forms and fields of study that shape our understanding of the human condition.

Semester Offering

Fall, Winter and Summer

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Free Form Requirements

No additional requirements.

HUM195HON - Introduction to Humanities-

Overview
Department(s)
Humanities

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

ICS102ITLY - International Cultural Studies Italy

Overview
Department(s)
Foreign Language Dept

Course Description
This course is part of the International Study Abroad program. Students who sign up for this course are planning to study in Tuscania, Italy for the summer semester. The course will introduce these students to the Italian language--learning structure, grammar, pronunciations, etc. The course will also allow students to interact with native Italian speakers daily to develop skills to speak the Italian language

Semester Offering
Summer Session Only

Credits
Credit Hours
Credit Hours
4

ICS101GER2 - International Cultural Study-German

Overview
Department(s)
Foreign Language Dept

Is this course available online?
No

Credits
Credit Hours
Credit Hours
2

Contact Hours
Contact Hours in excess of Credit Hours
0

MA101A - Medical Assistant Administrative I

Overview
Department(s)
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Course Description
This course will provide an introduction to the field of Medical Assisting and the healthcare team. Basic administrative procedures performed in ambulatory setting will be introduced. These include professional communications and behaviors, patient reception, office equipment, ethical and legal standards, and the office environment. Students wishing to transfer to the Medical Assistant Certification Program after taking MA-101 will have to retest their skills for those two courses and a fee will apply (testing must occur within two years of taking the course).

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits
Credit Hours
Credit Hours
4

Contact Hours
Contact Hours in excess of Credit Hours
0

Requirements
Simple Requisites

Students must have instructor permission to register for this class.

MA102LAB - Medical Assistant Clinical Lab I

Overview
Department(s)
Medical Assistant

Course Description
This course provides the student with an introduction to clinical medical office practices, including infection control, OSHA safety standards, medical and surgical asepsis, patient intake and screening, effective communication, vital signs, assisting

the provider during the examination, responding to emergencies, identifying anatomy, physiology, and pathophysiology of body systems, and identifying the nutritional aspects of health. This course allows the student to practice psychomotor and affective competencies in the lab setting. This class must be taken with MA102Lec.

Semester Offering
Fall and Winter

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
2

Requirements

Free Form Requirements
The student must be accepted into the Medical Assistant Certificate Program. The student must receive permission from the Medical Assistant Program Coordinator.

MA102LEC - Medical Assistant Clinical Lecture 1

Overview

Department(s)
Medical Assistant

Course Description
This course provides the student with an introduction to clinical medical office practices including infection control, OSHA safety standards, medical and surgical asepsis, patient intake and screening, effective communication, vital signs, assisting the provider during examination, responding to emergencies, identifying anatomy, physiology, and pathophysiology of body systems, and identifying the nutritional aspects of health. This class must be taken with MA102Lab.

Semester Offering
Fall and Winter

Credits

Credit Hours

Credit Hours
4

Requirements

Simple Requisites

> The student must be accepted into the Medical Assistant Certificate Program. The student must receive permission from the Medical Assistant Program Coordinator.

MA105A - Medical Assistant Administrative II

Overview

Department(s)
Medical Assistant

Course Description
This course is a continuation of Medical Assistant Administrative I. This course covers more advanced administrative topics such as financial management and also reviews medical office administrative procedures. Students wishing to transfer to the Medical Assistant Certificate Program after taking MA-105 will have to retest their skills for those two courses and a fee will apply (testing must occur within two years of taking the course).

Semester Offering
Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>
> > **Earn a minimum grade of C+ in the following:**
> > - MA101A - Medical Assistant Administrative I
>
> **Additional Comments:**

MA106LAB - Medical Assistant Clinical Lab II

Overview

Department(s)
Medical Assistant

Course Description
Medical Assistant Clinical Lab II is a continuation of Medical Assistant Clinical Lab I and further develops the student's skills, abilities, and behaviors in the role of Clinical Medical Assistant. This course prepares the student to calculate proper dosage calculations for medication administration, perform safe medication administration, perform diagnostic tests delegated to the medical assistant by the provider (ECG, pulmonary function tests, venipuncture, etc.), and perform CLIA-waived tests commonly performed as point-of-care testing. This course allows the student to continue practicing psychomotor and affective competencies in the lab setting to prepare the student to provide safe care in the healthcare environment. This class must be taken with MA106Lec.

Semester Offering
Winter and Summer

Credits

Credit Hours

Credit Hours
2

Requirements

Free Form Requirements
The student must be accepted into the Medical Assistant Certificate Program. The student must have received a C+ (77%) or higher in MA102Lec and MA102Lab.

MA106LEC - Medical Assistant Clinical Lecture II

Overview

Department(s)
Medical Assistant

Course Description
Medical Assistant Clinical II is a continuation of Medical Assistant Clinical Lecture I and further develops the student's skills, abilities, and behaviors in the role of Clinical Medical Assistant. This course prepares the student to identify anatomy, physiology, and pathophysiology, identify safe medication administration practices, determine proper dosage calculations for medication orders, identify the proper procedures for performing diagnostic tests that would be delegated to a medical assistant, and identify CLIA-waived tests commonly performed as point-of-care testing. This course must be taken with MA106Lab.

Semester Offering
Winter and Summer

Credits

Credit Hours

Credit Hours
7

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Free Form Requirements
The student must be accepted into the Medical Assistant Certificate Program. The student must have received a C+ (77%) or higher in MA102Lec and MA102Lab.

MA108 - Medical Assistant Pharmacology

Overview

Department(s)
Medical Assistant

Course Description
The Medical Assistant Pharmacology course introduces students to pharmacology and the role of medical assistants in healthcare. The course introduces the students to safe medication practices, dosage calculations, medication classifications, and common medications prescribed to address acute and chronic conditions and for health maintenance and prevention.

Semester Offering
Winter and Summer

Credits

Credit Hours

Credit Hours
2

Requirements

Free Form Requirements
The student must be accepted into the Medical Assistant Certificate Program. The student must have received a C+ (77%) or higher in MA102Lec and MA102Lab.

MA110 - Medical Assistant Seminar/Practicum

Overview

Department(s)
Health Sciences Dept

Course Description
The student must be admitted to the Medical Assistant Program, be in good standing, and have instructor permission. In addition, the student must meet all program requirements including all health, essential functions, immunization, CPR, drug screens, and background requirements.

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Earn a minimum grade of C+ in the following:

- MA101A - Medical Assistant Administrative I
  AND
  AND MA105A - Medical Assistant Administrative II
  AND

Additional Comments:

MATH041 - Mathematics for Allied Health Sciences

Overview
Department(s)
Mathematics

Course Description
A brief yet succinct math course designed to transition successful MATH-040 students into successful Chemistry for Allied Health students.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

MATH085 - Support for Probability and Statistics

Overview
Department(s)
Mathematics

Course Description
This course provides support for students enrolled in Probability and Statistics. Topics may include student success skills; math terms; solving problems; logical reasoning; algebra skills; reading and constructing graphs; and various statistical concepts. Calculators and applications are used.

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
2

Contact Hours
Contact Hours in excess of Credit Hours
0

Requirements
Simple Requisites

Corequisite Type
Corequisite

Enroll in the following Courses:
- MATH115A - Probability and Statistics

Additional Comments:

MATH087 - Support for Math for Liberal Arts

Overview
Department(s)
Mathematics

Course Description
This course provides support for students enrolled in Math for Liberal Arts. Topics may include student success skills; terminology; properties of numbers; problem solving strategies; logical reasoning; basic algebra skills; reading and constructing graphs; and other topics as necessary to the course. Calculators and applications are used.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits
Credit Hours
Credit Hours
2

Contact Hours
Contact Hours in excess of Credit Hours
0

Requirements
Simple Requisites

Corequisite Type
Corequisite

Enroll in the following Courses:
- MATH107A - Mathematics for Liberal Arts

Additional Comments:

MATH089 - Support for College Algebra

Overview

Department(s)
Mathematics

Course Description
This course provides support for students enrolled in College Algebra. Topics may include student success skills; math terms; algebra literacy; logical reasoning; equations; inequalities; exponents; radicals; functions; graphs; and various algebraic skills. Graphing calculators and applications are used.

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Corequisite**
> **Type**
> Corequisite
>
> > **Complete ALL of the following Courses:**
> > - MATH109A - College Algebra
>
> **Additional Comments:**

MATH100NRT - Math for Health Science

Overview

Department(s)
Mathematics

Course Description
This course is intended for students in the health sciences tracks, including pre-majors. The course covers various algebraic operations (incl. literal equations, factoring, roots and non-linear equations, logarithms, and systems of linear equations), graphing, and problem solving as the language of science. The course also emphasizes unit conversions, the metric system, and significant figures. An introduction to the interpretation of data is included. The course also includes an arithmetic competency component.

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> Prerequisite: No prerequisite courses are required.
>
> Note: Students with SAT Math sub-scores between 15 and 25, OR ACT Math sub-scores between 11 and 19, OR Accuplacer Arith scores between 200 and 270, OR ALEKS PPL scores between 0 and 13 are required to complete an ALEKS PPL module with the Academic Success Department before enrolling in the course.

MATH105 - Mathematics for Elementary Teachers

Overview

Department(s)
Mathematics

Course Description
Not a methods course. A general course for students majoring in elementary education. The basic ideas behind our number system and geometric concepts are discussed. Topics include: problem solving, sets, system of numeration, the real number system, geometry and metric measure.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Free Form Requirements

Prerequisite: No prerequisite courses are required.

Note: Students with a HS GPA between 0.0 and 2.9, OR SAT Math sub-scores between 15 and 25, OR ACT Math sub-scores between 11 and 19, OR Accu-Placer NG QAS scores between 231 and 260, OR Accu-Placer NG Arith scores between 200 and 300, OR ALEKS PPL scores between 0 and 13 are required to complete an ALEKS PPL module with the Academic Success department before enrolling in the course.

MATH105HON - Math for Elementary Teachers-Honors

Overview

Department(s)
Mathematics

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MATH107A - Mathematics for Liberal Arts

Overview

Department(s)
Mathematics

Course Description
A survey course for students whose program of study does not require College Algebra or higher coursework. This course satisfies general education requirements, and is a prerequisite to Probability and Statistics (MATH-115 or BUS-105) and Math for Elementary Teachers (MATH-105). Topics covered include: financial mathematics, symbolic logic, probability and counting principles, voting, and apportionment methods, set theory and applications and applications of vertex-edge graphs. The history, language, and usefulness of mathematics will be emphasized throughout the course. Students will be expected to use routine algorithms and engage in critical thinking.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> Prerequisite: No prerequisite courses are required.
>
> Corequisite: Students with a HS GPA between 2.5 and 2.9, OR SAT Math sub-scores between 22.5 and 25, OR ACT Math sub-scores between 17 and 19, OR Accuplacer NG QAS scores between 231 and 260, OR Accuplacer NG Arith scores between 271 and 300, OR ALEKS PPL scores between 7 and 13, are required to to enroll in Math 087 during the same term they take Math 107A.
>
> Note: Students with a HS GPA between 0.0 and 2.4, OR SAT Math sub-scores between 15 and 22, OR ACT Math sub-scores between 11 and 16, OR Accuplacer NG QAS scores between 200 and 230, OR Accuplacer NG Arith scores between 200 and 270, OR ALEKS PPL scores between 0 and 6 are required to complete an ALEKS PPL module with the Academic Success Department before enrolling in the course.

MATH109A - College Algebra

Overview

Department(s)
Mathematics

Course Description
This is a college-level algebra course, intended primarily for students who will not need to fulfill math requirements beyond this level. Functions are considered in the context of formulas, tables, and graphs, with an emphasis on applications. Functions studied include polynomial, exponential, logarithmic, logistic, power, and rational. Other topics involve modeling data, combining functions, solving equations and inequalities, optimization, and rates of change. Problems will be solved using traditional algebra as well as with technology. Graphing calculators will be utilized.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Free Form Requirements

Prerequisite: No prerequisite courses are required.

Corequisite: Students with a HS GPA between 3.0 and 3.4, OR SAT Math sub-scores between 25 and 27, OR ACT Math sub-scores between 19 and 21, OR Accu-Placer NG QAS scores between 261 and 300, OR Accu-Placer NG Adv Alg scores between 200 and 229, OR ALEKS PPL scores between 14 and 29, are required to to enroll in Math 089 during the same term they take Math 109A.

Note: Students with a HS GPA between 0.0 and 2.9, OR SAT Math sub-scores between 15 and 24.5, OR ACT Math sub-scores between 11 and 18, OR Accu-Placer NG QAS scores between 200 and 260, OR Accu-Placer NG Arith scores between 200 and 300, OR ALEKS PPL scores between 0 and 13 are required to complete an ALEKS PPL module with the Academic Success department before enrolling in the course.

MATH109HON - College Algebra W/ Applications Honors

Overview
Department(s)
Mathematics

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

MATH112HON - Math 112-HONORS

Overview
Department(s)
Mathematics

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

MATH115A - Probability and Statistics

Overview
Department(s)
Mathematics

Course Description
Probability and statistics for business, social science, biological science, and other majors. Topics include: descriptive statistics including displays of data, probability, probability distributions including the binomial, normal and Poisson distributions, confidence intervals for proportions, means, and standard deviations, hypothesis testing for one and two samples, contingency tables and the chi-square test, analysis of variance, linear regression, and non-parametric statistics (optional). Methods of instruction include case studies, simulations, and the use of technology.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits
Credit Hours
Credit Hours
4

Contact Hours
Contact Hours in excess of Credit Hours
0

Requirements
Free Form Requirements
Prerequisite: No prerequisite courses are required.

Corequisite: Students with a HS GPA between 3.0 and 3.4, OR SAT Math sub-scores between 25 and 27, OR ACT Math sub-scores between 19 and 21, OR Accu-Placer NG QAS scores between 261 and 300, OR Accu-Placer NG Adv Alg scores between 200 and 229, OR ALEKS PPL scores between 14 and 45, are required to to enroll in Math 085 during the same term they take Math 115A.

Note: Students with a HS GPA between 0.0 and 2.9, OR SAT Math sub-scores between 15 and 24.5, OR ACT Math sub-scores between 11 and 18, OR Accu-Placer NG QAS scores between 200 and 260, OR Accu-Placer NG Arith scores between 200 and 300, OR ALEKS PPL scores between 0 and 13 are required to complete an ALEKS PPL module with the Academic Success department before enrolling in the course.

MATH115HON - Probability & Statistics Honors

Overview
Department(s)
Mathematics

Is this course available online?
No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

MATH121 - Pre-STEM College Algebra

Overview

Department(s)

Mathematics

Course Description

This is a traditional college algebra course emphasizing the logic, notation, skills, and problem types used in pre-calculus and calculus courses. This course is intended only for students pursuing a STEM field who are not ready for a pre-calculus course. Topics include: solving equations and inequalities, intervals, compound inequalities, absolute values, graphing, linear inequalities in 2 variables, integer exponents, scientific notation, factoring, operations with rational expressions, radicals and operations, fractional exponents, radical equations, geometric applications, quadratic equations, complex numbers, completing the square, the quadratic formula, functions, inverse functions, exponential and logarithmic functions, and systems of equations with 2 or 3 unknowns.

Semester Offering

Fall and Winter

Is this course available online?

No

Credits

Credit Hours

Credit Hours

4

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

> Prerequisite: No prerequisite courses are required.
>
> Note: Students with a HS GPA between 0.0 and 3.4, OR SAT Math sub-scores between 15 and 26, OR ACT Math sub-scores between 11 and 21, OR Accuplacer NG QAS scores between 200 and 260, OR Accuplacer NG Arith scores between 200 and 300, OR ALEKS PPL scores between 0 and 13 are required to complete an ALEKS PPL module with the Academic Success Department before enrolling in the course.

MATH141 - Precalculus

Overview

Department(s)

Mathematics

Course Description

Pre-calculus algebra, analytic geometry, and trigonometry, designed for students who will be taking calculus. Topics include: exponential, radical, and rational expressions; complex numbers; circles, solving equations; functions and their graphs (including polynomial, rational, exponential, logarithmic, trigonometric, and functions involving radicals); inverses of functions and graphs; function composition and transformation; trigonometric identities, equations, and applications; vectors sequences and series; polar coordinates; parametric equations; and systems of equations. Graphing calculators will be utilized.

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

5

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>
> > **Earn a minimum grade of C in the following:**
> > - MATH121 - Pre-STEM College Algebra
> >
> > OR an SAT Math sub-score of 30 or higher, OR an ACT Math sub-score of 25 or higher, OR an Accuplacer NG Advanced Algebra score of 260 or higher.
>
> **Additional Comments:**

MATH161 - Calculus I

Overview

Department(s)

Mathematics

Course Description

The calculus of elementary functions of one variable. Topics include: definition of a derivative, limits, derivatives and integrals of functions of one variable, related rates, maxima and minima, Rolle's Theorem, the Mean Value Theorem, and the Fundamental Theorem of Calculus. Graphing calculators will be utilized.

Semester Offering

Fall, Winter and Summer

Is this course available online?
Yes

Credits
Credit Hours
Credit Hours
4

Contact Hours
Contact Hours in excess of Credit Hours
0

Requirements
Simple Requisites

> **Requirements Type**
> Prerequisite
>
> > **Earn a minimum grade of C in the following:**
> > - MATH141 - Precalculus
> >
> > Or SAT Math sub-score of 32 or higher, or an Accuplacer NG Advanced Algebra score of 280 or higher.
>
> **Additional Comments:**

Free Form Requirements
Prerequisite: A grade of "C" or better in Math 141, OR an SAT Math sub-score of 33 or higher, OR an ACT Math sub-score of 28 or higher, OR an Accu-Placer NG Adv Alg score of 280 or higher.

MATH161HON - Calculus I

Overview
Department(s)
Mathematics

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

MATH162A - Calculus II

Overview
Department(s)
Mathematics

Course Description
A continuation of the calculus of functions of one variable. Topics include: methods of integration such as substitution, parts, trigonometric substitution and partial fractions; improper integrals; applications of integrals to area, volume, and arc length; an introduction to differential equations; and infinite series. Graphing calculators will be utilized.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits
Credit Hours
Credit Hours
4

Contact Hours
Contact Hours in excess of Credit Hours
0

Requirements
Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Earn a minimum grade of C in the following:**
> > - MATH161 - Calculus I
> >
> > Note: Graphing calculator required;
> > Visit http://www.muskegoncc.edu/calculator for important information.
>
> **Additional Comments:**

MATH162HON - Calculus II-Honors

Overview
Department(s)
Mathematics

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours

0

MATH215A - Statistics for Science & Engineering

Overview

Department(s)

Mathematics

Course Description

Note: A graphing calculator is required. This is a calculus-based introductory statistics course for science and engineering students. Topics include: descriptive and inferential statistics, probability, discrete and continuous probability distributions, joint probability distributions, confidence intervals, hypothesis testing, analysis of variance, correlation and linear regression, non-parametric techniques, and quality control methods. Applications and associated technologies for data science, research, and engineering are integrated into a capstone project.

Semester Offering

Fall Semester Only

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>
> > **Earn a minimum grade of C in the following:**
> > - MATH161 - Calculus I
> >
> > Recommended Coreq: MATH-162A
> >
> > Note: Graphing calculator required;
> > Visit http://www.muskegoncc.edu/calculator for important information.
>
> **Additional Comments:**

MATH276 - Linear Algebra With Applications

Overview

Department(s)

Mathematics

Course Description

A study of matrices, matrix operations, systems of linear equations, determinants, vectors, real and complex vector operations, vector spaces, eigen values, linear transformations, linear programming, and numerical methods. Applications used in science, engineering, business, computer science, and higher mathematics are integrated.

Semester Offering

Winter Semester Only

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>
> > **Enroll in the following Courses:**
> > - MATH161 - Calculus I
>
> **Additional Comments:**

> **Corequisite**
> **Type**
> Corequisite
>
> > **Enroll in the following Courses:**
> > - MATH162A - Calculus II
> >
> > Note: Graphing calculator required;
> > Visit http://www.muskegoncc.edu/calculator for important information.
>
> **Additional Comments:**

MATH283 - Calculus III

Overview

Department(s)

Mathematics

Course Description
The calculus of functions of more than one variable. Topics include: vectors, vector functions, surfaces, the Dot Product, the Cross Product, limits and continuity in 3 dimensions, partial derivatives, chain rule for partial derivatives, gradients, multiple integrals, and vector calculus. Graphing calculators will be utilized

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Earn a minimum grade of C in the following:**
> > - MATH162A - Calculus II
> >
> > Note: Graphing calculator required;
> > Visit http://www.muskegoncc.edu/calculator for important information.
>
> **Additional Comments:**

MATH295 - Differential Equations w/Linear Algebra

Overview

Department(s)
Mathematics

Course Description
An introduction to the theory and solution of ordinary differential equations with techniques involving slope fields, separation of variables, homogeneous functions, exact equations, linear equations of order one, integrating factors, Bernoulli's equation, coefficients linear in two variables, Wronskian, differential operators, Method of Undetermined Coefficients, reduction of order, variation of parameters, power series, Euler equation, the Laplace transform, linear systems, higher order linear equations, matrix algebra, eigen values, eigenvectors, determinants, and modeling applications in physical, biological, and social sciences. Computer software will be used to explore some of these topics. Graphing calculators will be utilized.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Earn a minimum grade of C in the following:**
> > - MATH162A - Calculus II
> >
> > Note: Graphing calculator required;
> > Visit http://www.muskegoncc.edu/calculator for important information.
>
> **Additional Comments:**

MATH295HON - Differential Equat W/Lin Alg

Overview

Department(s)
Mathematics

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MATH297ST - Math Topics and Skills for Pre-STEM

Overview

Department(s)
Mathematics

Course Description
This is an extensive course in algebra emphasizing the notation, skills, and problem types used in pre-calculus and calculus courses. This course is intended only for students pursuing a STEM field who are not ready for a pre-calculus course. Topics

include: solving equations and inequalities, intervals, compound inequalities, absolute values, graphing, linear inequalities in 2 variables, integer exponents, scientific notation, factoring, operations with rational expressions, radicals and operations, fractional exponents, radical equations, geometric applications; quadratic equations, complex numbers, completing the square, the quadratic formula, functions, inverse functions, exponential and logarithmic functions, and systems of equations with 2 or 3 unknowns.

Semester Offering
Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> Prereq: High School GPA of 2.5

MET101 - Industrial Materials

Overview

Department(s)
Materials Tech

Course Description
Industrial Materials is the study of the many materials which are used by modern industry, their basic similarities and differences, their physical, chemical, and electrical properties, and the ways in which materials are altered or combined to enhance their suitability for a specific industrial application.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
1

MET101HON - Industrial Materials

Overview

Department(s)
Materials Tech

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MET102 - Basic Cast Metals

Overview

Department(s)
Materials Tech

Course Description
Basic cast metals is an introductory study of the processes and methods of producing castings. The student will be introduced to patternmaking, finishing, and inspection. Laboratory tests of materials used in cast metals will be conducted. The student will be given an overview of cast metal manufacturing procedures. This course attempts to create a basic understanding and appreciation of the complexities of the cast metal industry.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
2

MET201 - Metallurgy

Overview

Department(s)
Materials Tech

Course Description
Metallurgy studies the physical, chemical, and electrical properties of metals and their alloys, as well as the effect on these properties of various mechanical and thermal treatments. The many indications of these properties and tests to establish their magnitude are also included.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
2

MSUAGFVCM - MSU Fruit/Veg Crop Management

Overview
Is this course available online?
No

Credits
Credit Hours
Credit Hours
27

Contact Hours
Contact Hours in excess of Credit Hours
0

MSUAGLANDM - MSU Landscape Management

Overview
Is this course available online?
No

Credits
Credit Hours
Credit Hours
27

Contact Hours
Contact Hours in excess of Credit Hours
0

MSUAGOPER - Agriculture Operations

Overview
Is this course available online?
No

Credits
Credit Hours
Credit Hours
27

Contact Hours
Contact Hours in excess of Credit Hours
0

MSUUFURFMG - MSU Urban Forest Management

Overview
Course Description
Transfer credits from MSU for Urban Forest Mangagement shared program with MCC

Is this course available online?
No

Credits
Credit Hours
Credit Hours
36

Contact Hours
Contact Hours in excess of Credit Hours
0

MT101B - Basic Machining

Overview
Department(s)
Machine Tech

Course Description
This introductory course presents theory and hands-on experience in the practical application of machining. The course is structured for the student who has little or no previous experience in the field. The course introduces the student to industrial safety, precision measuring, common manufacturing materials, fasteners, and the

operation of basic machine tools. These machine tools include the pedestal grinder, drill press, lathe, vertical milling machine, horizontal milling machine, and the surface grinder. CNC machining and other advanced metalworking methods will also be discussed.

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
2

MT102A - Intermediate Machining

Overview

Department(s)
Machine Tech

Course Description
This course offers an in-depth examination of the machine tools commonly found in industry. The capabilities of drilling, turning, milling, and grinding machines will be explored as well as how these methods relate to advanced machining techniques and modern machine controls. A major focus of milling and turning will be experienced in the lab portion of this course. Each student will operate a CNC machine during the lab. The precision and quality that can be expected of these processes and their relationship to manufacturing will be stressed throughout the course.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
2

Requirements

Simple Requisites

Prerequisite

Type
Prerequisite

Enroll in the following Courses:
• MT101B - Basic Machining

Additional Comments:

MT103A - Advanced Machining

Overview

Department(s)
Machine Tech

Course Description
This course will explore advanced machine tool operations and advanced grinding techniques. A major focus of grinding will be experienced in the lab portion of the course. Machines to be used in this class are: EDM, Surface Grinder, and Numerical Control Machine. Advanced operation of the Lathe, Mill, and Grinder will be discussed.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
2

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Enroll in the following Courses:
• MT102A - Intermediate Machining

Additional Comments:

MT150 - Machinery Handbook

Overview

Department(s)
Machine Tech

Course Description
This course familiarizes the technical student with the Machinery Handbook and its uses in the solution of problems. A continuation of the study of algebra, geometry, and trigonometry in addition to logarithms is included.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>
> > **Earn a minimum grade of C- in the following:**
> > - TMAT101A - Technical Math I
> >
> > OR instructor permission
>
> **Additional Comments:**

MT205A - NC/CNC Numerical Control/ Computer

Overview

Department(s)
Machine Tech

Course Description
An introductory course in practical application of numerical control machining, and off-line programming. Designed to expose students to the basic concepts of numerical control with G and M codes.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
2

Requirements

Simple Requisites

> **Untitled Requirement**
> **Type**
> Completion Requirement
>
> **Additional Comments:**

MT206A - 2-D CAD/CAM Computer-Aided

Overview

Department(s)
Machine Tech

Course Description
Using Mastercam software, this course first explores the fundamentals of 2-D CAM systems. Students will learn to use the design package to create part geometry. Toolpaths for these parts will be created using the CAM system to create CNC programs for the mill, and lathe. This course is required for the Machining Technology program.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
2

Requirements

Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>
> > **Enroll in the following Courses:**
> > - MT205A - NC/CNC Numerical Control/Computer
>
> **Additional Comments:**

MT216 - 3-D CAD/CAM Computer-Aided Design/Mach

Overview

Department(s)
Machine Tech

Course Description
This class continues the study of CAM into the realm of complex 3-D machining. Various complex surfaces will be designed, programmed, and machined. 3-D CNC programs will be created for both the Mill and Wire EDM.3-D part processing will be covered in detail for each program. The trimming of complex surfaces is stressed. Installation of third-party software and interfacing with CAD software will also be covered. Students will also learn to create tooling and material libraries.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
2

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Enroll in the following Courses:**
> > * MT206A - 2-D CAD/CAM Computer-Aided
>
> **Additional Comments:**

MT218 - 5-Axis CNC & CMM

Overview

Department(s)
Applied Manufacturing Tech Lab

Course Description
This course introduces 5 axis CNC machining. CAD/CAM software will be utilized to generate 3D models that will then be toolpathed and machined on a 5 axis Vertical Milling Machine. CM Ms will also be taught and utilized. This course is required for the Machining Technology AAS.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
2

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Earn a minimum grade of C in the following:**
> > * MT216 - 3-D CAD/CAM Computer-Aided Design/Mach
>
> **Additional Comments:**

MT222 - Machining Capstone

Overview

Department(s)
Machine Tech

Course Description
This capstone course comprises of a multifaceted assignment that serves as a culminating academic experience in the CAD/CNC and Machining programs. Students will engage in machining activities encompassing advanced areas of CNC and CAM. Course focus will include areas such as: 4th and 5th axis machining, live tooling, drawing solid models using CAD/CAM systems and product development utilizing 3D scanning and 3-0 printer technology. Projects selected by the students must be proposed and then approved by the instructor for appropriate rigor and content.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
2

Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Earn a minimum grade of C in the following: • MT216 - 3-D CAD/CAM Computer-Aided Design/Mach
Additional Comments:

MT240 - Basic Machine Repair

Overview

Department(s)
Machine Tech

Course Description
This course provides a general overview of various mechanical systems found in manufacturing equipment. Both preventive maintenance and repair skills are stressed. The systems examined are: basic mechanics and mechanical skills, lubrication systems, bearings, belt drives, chain drives, gears and gear systems, couplings, fluid power systems and variable speed drives. Troubleshooting techniques are stressed throughout the course.

Semester Offering
Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Enroll in the following Courses: • MT101B - Basic Machining
Additional Comments:

MU076PVT - Remedial Applied Music (Guitar)

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
0

MU100 - Introduction to Music Theory

Overview

Department(s)
Music

Course Description
This course is designed for students with little or no theoretical background who are considering music as their major field, or high school seniors who do not have access to high school theory course. Includes fundamentals to basic musicianship; notation, clefs, scales, intervals, triads, rhythm, meter and tonality.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

MU101 - Music Theory

Overview

Department(s)
Music

Course Description
Fundamentals of basic musicianship, including notation, clefs, scales, intervals, triads, meter, rhythm and tonality. The analysis and writing of harmony in the styles of composers of the tonal period will be stressed.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Corequisite Type**
> Corequisite
>
> > **Enroll in the following Courses:**
> > - MU190A - Class Piano for Music Majors
> >   **AND** MU194 - Sight Reading and Ear Training
>
> **Additional Comments:**

MU101HON - Music Theory Honors

Overview

Department(s)
Music

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MU102 - Music Theory

Overview

Department(s)
Music

Course Description
A continuation of MU-101.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Requirements Type**
> Corequisite
>
> > **Complete ALL of the following Courses:**
> > - MU191A - Class Piano (Music Majors)
> >   **AND** MU195 - Sight Reading and Ear Training
>
> **Additional Comments:**

> **Corequisite Type**
> Corequisite
>
> > **Enroll in the following Courses:**
> > - MU191A - Class Piano (Music Majors)
> >   **AND** MU195 - Sight Reading and Ear Training
>
> **Additional Comments:**

MU102HON - Music Theory-Honors

Overview

Department(s)
Music

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

MU103A - Music Appreciation

Overview

Department(s)

Music

Course Description

A first course in listening to music designed primarily for students with little or no musical training. Starting with the basic elements of music, the course uses extensive audio and visual materials, illustrating the development of music through the ages.

Semester Offering

Fall and Winter

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

MU103HON - Intro to Music Literature-Honors

Overview

Department(s)

Music

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

MU104CS - College Singers

Overview

Department(s)

Music

Course Description

This is a performance ensemble for students with previous musical experience. Auditions will be held at the first class session for placement within the group and to verify that the student and ensemble are a reasonable match. High standards of musical performance are upheld. There are performances held throughout the year for student and adult audiences.

Semester Offering

Fall and Winter

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

1

MU104NC - Community Chorus

Overview

Department(s)

Music

Is this course available online?

No

Credits

Credit Hours

Credit Hours

0

Contact Hours

Contact Hours in excess of Credit Hours

0

MU105CS - College Singers

Overview

Department(s)
Music

Course Description
An extension of MU-104CS.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

MU105NC - College Singers

Overview

Department(s)
Music

Is this course available online?
No

Credits

Credit Hours

Credit Hours
0

Contact Hours

Contact Hours in excess of Credit Hours
0

MU106A - Collegiates

Overview

Department(s)
Music

Course Description
A select SATB vocal performance ensemble for students with previous musical experience. This ensemble performs a wide repertoire of music from the 17th Century to present day of varied genres. Auditions will be held prior to the first class session for placement within the group and to verify that the student and ensemble are a reasonable match. High standards of musical performance are upheld. Offered Fall/Winter

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Enroll in the following Courses: • MU104CS - College Singers   **AND** MU104NC - Community Chorus   **AND** MU105CS - College Singers   **AND** MU105NC - College Singers   Can take as Prerequisite or Concurrently
Additional Comments:

MU108CB - Concert Band (West MI Concert Winds)

Overview

Department(s)
Music

Course Description
This is performance ensemble for students with previous musical experience. Auditions will be held at the first class session for placement within the group and to verify that the student and ensemble area reasonable match. High standards of musical performance are upheld. There are performances held throughout the year for student and adult audiences.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

MU109CB - Concert Band

Overview

Department(s)
Music

Course Description
An extension of MU 108CB.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

MU110A - Jayhawk Sound

Overview

Department(s)
Music

Course Description
This ensemble performs a wide variety of popular music and musical cheers at MCC sports events and plays a vital role in supporting the athletes and athletic teams at MCC. In addition to the weekly rehearsals the ensemble performs at MCC sports events both on-off campus.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
1

MU110B - Jayhawk Sound

Overview

Department(s)
Music

Course Description
This ensemble performs a wide variety of popular music and musical cheers at MCC sports events and plays a vital role in supporting the athletes and athletic teams at MCC. In addition to the weekly rehearsals the ensemble performs at MCC sports events both on-off campus.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

MU110C - Jayhawk Sound

Overview

Department(s)
Music

Course Description
This ensemble performs a wide variety of popular music and musical cheers at MCC sports events and plays a vital role in supporting the athletes and athletic teams at MCC. In addition to the weekly rehearsals the ensemble performs at MCC sports events both on-off campus.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

MU110D - Jayhawk Sound

Overview

Department(s)
Music

Course Description
This ensemble performs a wide variety of popular music and musical cheers at MCC sports events and plays a vital role in supporting the athletes and athletic teams at MCC. In addition to the weekly rehearsals the ensemble performs at MCC sports events both on-off campus.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

MU110F - Jayhawk Sound

Overview

Department(s)
Music

Course Description
This ensemble performs a wide variety of popular music and musical cheers at MCC sports events and plays a vital role in supporting the athletes and athletic teams at MCC. In addition to the weekly rehearsals the ensemble performs at MCC sports events both on-off campus.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

MU110E - Jayhawk Sound

Overview

Department(s)
Music

Course Description
This ensemble performs a wide variety of popular music and musical cheers at MCC sports events and plays a vital role in supporting the athletes and athletic teams at MCC. In addition to the weekly rehearsals the ensemble performs at MCC sports events both on-off campus.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
1

MU111A - Wind Ensemble

Overview

Department(s)
Music

Course Description
An advanced-level wind ensemble performing traditional to contemporary wind-band literature. The ensemble focuses on the rehearsal and performance of the repertoire. In addition to the biweekly rehearsals the ensemble performs two to four times per semester both on-off campus.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
1

MU111B - Wind Ensemble

Overview
Department(s)
Music

Course Description
An advanced-level wind ensemble performing traditional to contemporary wind-band literature. The ensemble focuses on the rehearsal and performance of the repertoire. In addition to the biweekly rehearsals the ensemble performs two to four times per semester both on-off campus.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
1

MU111D - Wind Ensemble

Overview
Department(s)
Music

Course Description
An advanced-level wind ensemble performing traditional to contemporary wind-band literature. The ensemble focuses on the rehearsal and performance of the repertoire. In addition to the biweekly rehearsals the ensemble performs two to four times per semester both on-off campus.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
1

MU111C - Wind Ensemble

Overview
Department(s)
Music

Course Description
An advanced-level wind ensemble performing traditional to contemporary wind-band literature. The ensemble focuses on the rehearsal and performance of the repertoire. In addition to the biweekly rehearsals the ensemble performs two to four times per semester both on-off campus.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

MU111E - Wind Ensemble

Overview
Department(s)
Music

Course Description
An advanced-level wind ensemble performing traditional to contemporary wind-band literature. The ensemble focuses on the rehearsal and performance of the repertoire. In addition to the biweekly rehearsals the ensemble performs two to four times per semester both on-off campus.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

MU111F - Wind Ensemble

Overview

Department(s)
Music

Course Description
An advanced-level wind ensemble performing traditional to contemporary wind-band literature. The ensemble focuses on the rehearsal and performance of the repertoire. In addition to the biweekly rehearsals the ensemble performs two to four times per semester both on-off campus.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

MU117A - Jazz Ensemble

Overview

Department(s)
Music

Course Description
Ensemble dedicated to increasing the knowledge of jazz literature and improving skills in improvisation and ensemble playing through the preparation and performance of traditional and contemporary big-band jazz repertoire. In addition to the biweekly rehearsals the ensemble performs two to four times per semester both on-off campus.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

MU117B - Jazz Ensemble

Overview

Department(s)
Music

Course Description
Ensemble dedicated to increasing the knowledge of jazz literature and improving skills in improvisation and ensemble playing through the preparation and performance of traditional and contemporary big-band jazz repertoire. In addition to the biweekly rehearsals the ensemble performs two to four times per semester both on-off campus.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

MU117C - Jazz Ensemble

Overview

Department(s)
Music

Course Description
Ensemble dedicated to increasing the knowledge of jazz literature and improving skills in improvisation and ensemble playing through the preparation and performance of traditional and contemporary big-band jazz repertoire. In addition to the biweekly rehearsals the ensemble performs two to four times per semester both on-off campus.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours
Contact Hours in
excess of Credit
Hours
1

Contact Hours
Contact Hours in
excess of Credit
Hours
1

MU117D - Jazz Ensemble

Overview
Department(s)
Music

Course Description
Ensemble dedicated to increasing the knowledge of jazz literature and improving skills in improvisation and ensemble playing through the preparation and performance of traditional and contemporary big-band jazz repertoire. In addition to the biweekly rehearsals the ensemble performs two to four times per semester both on-off campus.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in
excess of Credit
Hours
1

MU117F - Jazz Ensemble

Overview
Department(s)
Music

Course Description
Ensemble dedicated to increasing the knowledge of jazz literature and improving skills in improvisation and ensemble playing through the preparation and performance of traditional and contemporary big-band jazz repertoire. In addition to the biweekly rehearsals the ensemble performs two to four times per semester both on-off campus.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in
excess of Credit
Hours
1

MU117E - Jazz Ensemble

Overview
Department(s)
Music

Course Description
Ensemble dedicated to increasing the knowledge of jazz literature and improving skills in improvisation and ensemble playing through the preparation and performance of traditional and contemporary big-band jazz repertoire. In addition to the biweekly rehearsals the ensemble performs two to four times per semester both on-off campus.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

MU118HON - Honors Orchestra

Overview
Department(s)
Music

Course Description
Students who play in the Honor's Orchestra may receive college ensemble credit. This is a performance ensemble for students with previous musical experience. Auditions will be held at the first class session for placement within the group and to verify that the student and ensemble are a reasonable match.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours

1

MU119 - Symphonic Ensemble

Overview

Department(s)

Music

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

2

MU127A - Jazz Guitar-Secondary Instrument

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

MU127B - Jazz-Guitar Secondary Instrument

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

MU127C - Jazz Guitar-Secondary Instrument

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

MU127D - Jazz Guitar-Secondary Instrument

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

MU128A - Voice

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

MU128B - Voice

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

MU128C - Voice

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

MU128D - Voice

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

MU129A - Applied Mu Sec Instru-Piano

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

MU129B - Applied Mu Sec Instru-Piano

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

MU129C - Applied Mu Sec Instru-Piano

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

MU129D - Applied Mu Sec Instru-Piano

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

MU130A - Appl Mu Sec Instr Cornet-Tru

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

MU130B - Cornet-Trumpet

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

MU130C - Cornet-Trumpet

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

MU130D - Cornet-Trumpet

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

MU131A - Applied Mu Sec Instru-Clarin

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

MU132A - Applied Music-Sec. Instrumt. Trombone

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

MU132B - Trombone

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MU133A - Applied Music-Sec Instrument-Baritone

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

MU133B - Applied Music-Sec Instrument-Baritone

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MU133C - Applied Music-Sec Instrument-Baritone

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MU133D - Applied Music-Sec Instrument-Baritone

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MU134A - Tuba

Overview
Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

MU135A - French Horn

Overview
Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
1

MU135B - French Horn

Overview
Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

MU136A - Flute

Overview
Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

MU136B - Flute

Overview
Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
1

MU136C - Flute

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
1

MU136D - Flute

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

MU137A - Oboe

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

MU137PVT - Applied Music Secondary Instrument

Overview

Department(s)
Music

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

MU138A - Bassoon

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
1

MU138B - Bassoon

Overview
Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

MU138C - Bassoon

Overview
Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
1

MU138D - Bassoon

Overview
Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

MU138PVT - Applied Music Sec Instrument-Basson

Overview
Department(s)
Music

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

MU139A - Saxophone

Overview
Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
1

MU139B - Saxophone

Overview

Department(s)
Music

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MU139C - Saxophone

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MU139PVT - Applied Music Sec Instrument-Saxophone

Overview

Department(s)
Music

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MU140A - Percussion

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

MU140PVT - Applied Music Sec Instrument-Percussion

Overview

Department(s)
Music

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MU141A - Guitar

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MU141B - Guitar

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MU141C - Guitar

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MU141PVT - Applied Music Sec Instrument-Guitar

Overview

Department(s)
Music

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MU142A - Organ

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MU142B - Organ

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MU142C - Organ

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MU142D - Organ

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MU142PVT - Applied Music Sec Instrument-Organ

Overview

Department(s)
Music

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MU143PVT - Applied Mu Sec Instru-Harp

Overview

Department(s)
Music

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MU144A - Violin

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MU144B - Violin

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MU144C - Violin

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MU144D - Violin

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MU144PVT - Applied Music Sec Instrument-Violin

Overview

Department(s)
Music

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MU145A - Viola

Overview
Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

MU145B - Private Viola (advanced)

Overview
Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

MU145PVT - Applied Music Secondary Instr. - Viola

Overview
Department(s)
Music

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

MU146A - Cello

Overview
Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

MU146B - Cello

Overview
Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
1

MU146PVT - Applied Music Secondary Instr.- Cello

Overview

Department(s)
Music

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MU147A - Double Bass

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MU147B - Double Bass

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MU148 - Jazz Guitar-Primary Instrument

Overview

Department(s)
Music

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
0

MU149 - Jazz Guitar-Primary Instrument

Overview

Department(s)
Music

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
0

MU150 - Applied Music Primary Major Voice

Overview

Department(s)

Music

Is this course available online?

No

Credits

Credit Hours

Credit Hours

2

Contact Hours

Contact Hours in excess of Credit Hours

0

MU150PVT - Applied Music Primary Instrument

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

2

Contact Hours

Contact Hours in excess of Credit Hours

0

MU151PVT - Applied Music Primary Major Voice

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

2

Contact Hours

Contact Hours in excess of Credit Hours

0

MU152PVT - Applied Music Primary Major Piano

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

2

Contact Hours

Contact Hours in excess of Credit Hours

0

MU153PVT - Applied Music Primary Major Piano

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

2

Contact Hours

Contact Hours in excess of Credit Hours

0

MU154PVT - Applied Music Primry Major Cornet

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

2

Contact Hours

Contact Hours in excess of Credit Hours

0

MU155PVT - Applied Music Primary Cornet

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

2

Contact Hours

Contact Hours in excess of Credit Hours

0

MU156PVT - Applied Music Primary Major Clarinet

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

2

Contact Hours

Contact Hours in excess of Credit Hours

0

MU157PVT - Applied Music Primary Major Clarinet

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

2

Contact Hours

Contact Hours in excess of Credit Hours

0

MU158PVT - Applied Music Primary Major-Trombone

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
0

MU159PVT - Applied Mu Prim Maj-Tromb

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
0

MU160PVT - Applied Music Primary Major-Baritone

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
0

MU161PVT - Applied Mu Prim Maj-Barit

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
0

MU162PVT - Applied Music Primary Major-Tuba

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
0

MU163PVT - Applied Music Primary Major-Tuba

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
0

MU164PVT - Applied Music Primary Major French Horn

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Credits

Credit Hours

Credit Hours
2

MU165PVT - Applied Music Primary Major-French Horn

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
0

MU166PVT - Applied Music Primary Major-Flute

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
0

MU167PVT - Applied Music Primary Major-Flute

Overview

Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
0

MU168PVT - Applied Music Primary Major-Oboe

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

2

Contact Hours

Contact Hours in excess of Credit Hours

0

MU169PVT - Applied Music Primary Major-Oboe

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

2

Contact Hours

Contact Hours in excess of Credit Hours

0

MU170PVT - Applied Music Primary Major-Bassoon

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

2

Contact Hours

Contact Hours in excess of Credit Hours

0

MU171PVT - Applied Music Primary Major-Bassoon

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

2

Contact Hours

Contact Hours in excess of Credit Hours

0

MU173PVT - Applied Music Primary Major-Saxophone

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

2

Contact Hours

Contact Hours in excess of Credit Hours

0

MU176PVT - Applied Music Primary Major-Guitar

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

2

Contact Hours

Contact Hours in excess of Credit Hours

0

MU177PVT - Applied Music Primary Major-Guitar

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

2

Contact Hours

Contact Hours in excess of Credit Hours

0

MU182PVT - Applied Music Primary Major-Violin

Overview

Department(s)

Music

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

2

Contact Hours

Contact Hours in excess of Credit Hours

0

MU190A - Class Piano for Music Majors

Overview

Department(s)

Music

Course Description

This course is required of all music majors and is open also to students with some previous keyboard experience who can use these transferable humanities credits or desire the training. Special emphasis is given to sight-reading, transposition, playing by ear, harmonizing melodies, accompaniments and scales.

Semester Offering

Fall and Winter

Is this course available online?

No

Credits

Credit Hours

Credit Hours

2

Contact Hours

Contact Hours in excess of Credit Hours

1

Requirements

Simple Requisites

Prerequisites Type

> **Prerequisite**
>
> > **Enroll in the following Courses:**
> > - MU101 - Music Theory
> >   **AND** MU194 - Sight Reading and Ear Training
> >
> > Can take as Prerequisite or Concurrently
>
> **Additional Comments:**

MU190B - Classical Piano (Non-Music Majors)

Overview

Department(s)
Music

Course Description
This course is open to any student who wishes to learn to play the piano. No previous training or knowledge of music is necessary.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
1

MU190C - Class Piano (Basic Piano)

Overview

Department(s)
Music

Course Description
This course in basic piano is a required co-requisite for students in MU-192 or DMU-101 unless requirements can be met by examination. See instructor.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

Requirements

Simple Requisites

> **Corequisite**
> **Type**
> Corequisite
>
> > **Enroll in the following Courses:**
> > - MU192 - Music for the Classroom Teacher
> >   **AND** DMU101 - Audio Recording I
>
> **Additional Comments:**

MU191A - Class Piano (Music Majors)

Overview

Department(s)
Music

Course Description
A continuation of MU 190A.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
1

Requirements

Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>
> > **Enroll in the following Courses:**
> > - MU190A - Class Piano for Music Majors
>
> **Additional Comments:**

> **Corequisite**

Type
Corequisite

> **Enroll in the following Courses:**
> - MU102 - Music Theory
> **AND** MU195 - Sight Reading and Ear Training
>
> OR instructor permission

Additional Comments:

MU191B - Class Piano (non-Music Majors)

Overview
Department(s)
Music

Course Description
A continuation of MU 190B.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits
Credit Hours
Credit Hours
2

Contact Hours
Contact Hours in excess of Credit Hours
1

Requirements
Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Enroll in the following Courses:**
> > - MU190B - Classical Piano (Non-Music Majors)
>
> **Additional Comments:**

MU191C - Class Piano

Overview
Department(s)
Music

Course Description
This course in basic piano is a required corequisite for students in the second semester of the Digital Music and Audio Certification: Music track, unless requirements can be met by examination. See instructor.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
1

Requirements
Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Enroll in the following Courses:**
> > - MU190C - Class Piano (Basic Piano)
>
> **Additional Comments:**

MU192 - Music for the Classroom Teacher

Overview
Department(s)
Music

Course Description
This course is required for future elementary classroom teachers. No previous musical training is necessary. The course provides a background in the fundamental elements of music through singing, playing classroom rhythm and melody instruments, recorder and autoharp. Includes introduction to methods of teaching music, observation, and participation in area schools.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
4

Contact Hours
Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Enroll in the following Courses:
- MU190C - Class Piano (Basic Piano)

Can take as Prerequisite or Concurrently

Additional Comments:

MU193A - Hip-Hop, Rock, and All the World's Music

Overview

Department(s)
Music

Course Description
World Music is an introduction to the music of selected world cultures, including South and Central America, Africa, India, China, and North America. Every class will require some listening and reading/research on the part of the student. As an introductory class, no prior technical experience with music is required. Students will also write a performance-analysis of a musical event (approved by the instructor) outside of class.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

MU194 - Sight Reading and Ear Training

Overview

Department(s)
Music

Course Description
The acquisition of the skills of melodic and rhythmic sight-reading and the disciplining of the ear to reproduce melodies, harmonies and rhythms by dictation.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

Requirements

Simple Requisites

Corequisite
Type
Corequisite

Enroll in the following Courses:
- MU101 - Music Theory
  AND MU190A - Class Piano for Music Majors

Additional Comments:

MU194HON - Sight Rdg & Ear Train Honors

Overview

Department(s)
Music

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MU195 - Sight Reading and Ear Training

Overview

Department(s)
Music

Course Description
A continuation of MU 194.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours
Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Enroll in the following Courses:
- MU194 - Sight Reading and Ear Training

Additional Comments:

Corequisite Type
Corequisite

Enroll in the following Courses:
- MU102 - Music Theory
  AND MU191A - Class Piano (Music Majors)

Additional Comments:

MU195HON - Sight Rdg & Ear Train-Honors

Overview

Department(s)
Music

Is this course available online?
No

Credits

Credit Hours
Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

MU201 - Advanced Theory

Overview

Department(s)
Music

Course Description
A continuation of Theory required of music majors. It combines the elements of counter-point, form analysis and 20th century practices with an emphasis on creative writing and arranging. Advanced sight-singing and melodic, harmonic, and rhythmic dictations are also stressed.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours
Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
1

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Enroll in the following Courses:
- MU101 - Music Theory
  AND MU102 - Music Theory

Additional Comments:

Corequisite Type
Corequisite

Enroll in the following Courses:
- MU290 - Advanced Classical Piano

Additional Comments:

MU202 - Advanced Theory

Overview
Department(s)
Music

Course Description
A continuation of MU 201.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
4

Contact Hours
Contact Hours in excess of Credit Hours
1

Requirements
Simple Requisites

Prerequisite Type
Prerequisite
Enroll in the following Courses: • MU201 - Advanced Theory
Additional Comments:

Corequisite Type
Corequisite
Enroll in the following Courses: • MU291 - Class Piano-Music Majors
Additional Comments:

MU203 - Vocal & Instrumental Conduct Tech

Overview
Department(s)
Music

Course Description
Practical methods and conducting techniques for instrumental and vocal ensembles, with emphasis on rehearsal preparation, interpretation and performance, and basic communication between conductor and ensemble members.

Semester Offering
Fall Semester Only

Credits
Credit Hours
Credit Hours
2

MU203HON - Vocal & Instr. Conduct-Honors

Overview
Department(s)
Music

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

MU240 - Professional Practices in Music

Overview
Department(s)
Music

Course Description
This course introduces students to career options and common business practices in the music industry. Students learn how to market their music and music performances along with how to promote themselves within the industry, through the use of multimedia which includes Web and print resources. Students are exposed to contract preparation, intellectual property considerations and introduced to performing arts unions. A key component to this course is the study of ethical practices within the music industry.

Semester Offering
Summer Session Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
0

MU248 - Jazz Guitar-Advanced Instrument

Overview
Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
2

Contact Hours
Contact Hours in excess of Credit Hours
0

MU249 - Jazz-Guitar-Advanced Instrument

Overview
Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
2

Contact Hours
Contact Hours in excess of Credit Hours
0

MU250 - Applied-Music-Advanced Instrument -Voice

Overview
Department(s)
Music

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
2

Contact Hours
Contact Hours in excess of Credit Hours
0

MU251PVT - Applied Music-Advanced Instr. Voice

Overview
Department(s)
Music

Credits
Credit Hours
Credit Hours
2

MU260PVT - Applied Music-Adv Instrument- Baritone

Overview
Department(s)
Music

Credits
Credit Hours
Credit Hours
2

MU290 - Advanced Classical Piano

Overview
Department(s)
Music

Course Description
A continuation of the freshman piano class plus the addition of clef and vocal score reading. Required of all music majors unless they are able to pass the requirements at the end of their freshman year.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours

2

Contact Hours

Contact Hours in excess of Credit Hours

1

Requirements

Simple Requisites

> **Corequisite**
> **Type**
> Corequisite
>
> > **Enroll in the following Courses:**
> > - MU201 - Advanced Theory
>
> **Additional Comments:**

MU291 - Class Piano-Music Majors

Overview

Department(s)
Music

Course Description
A continuation of MU-290A.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours

2

Contact Hours

Contact Hours in excess of Credit Hours

1

Requirements

Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>

> **Enroll in the following Courses:**
> - MU290 - Advanced Classical Piano
>
> **Additional Comments:**

> **Corequisite**
> **Type**
> Corequisite
>
> > **Enroll in the following Courses:**
> > - MU202 - Advanced Theory
>
> **Additional Comments:**

MU297CG - Class Guitar

Overview

Department(s)
Music

Course Description
An introduction to the fundamental principles, practices, and repertoire of guitar. Students will learn to connect musical style and notation to performance on guitar.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

MU297HH - Jazz History: an American Art Form

Overview

Department(s)
Music

Course Description
A survey study of jazz from 1900-present. The types of jazz studied will include the chronological progression of Dixieland, blues, swing, be-bop, cool jazz, jazz fusion and free jazz. There will also be a focus on important musicians, composers, and arrangers of jazz music.

Is this course available online?
No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

MU297P - Wind Ensemble

Overview

Department(s)

Music

Course Description

A select ensemble which is dedicated to preparing and performing the finest traditional contemporary and transcribed literature for Wind Ensemble. An emphasis is placed on understanding the pieces from an aesthetic and stylistic basis. The Wind Ensemble performs publicly and may include regional tours.

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

1

MU297Q - Jayhawk Sound

Overview

Department(s)

Music

Course Description

This ensemble is effectively the athletic activities band of the campus and performs at home sports events and possibly away tournaments as well as other community events. The ensemble offers students the opportunity to perform a large quantity of popular music. Instrumentation includes brass, woodwinds, and percussion and placement is determined by audition.

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

1

MU297R - Jazz Ensemble

Overview

Department(s)

Music

Course Description

A select big band Jazz Ensemble which provides students with the opportunity to rehearse and perform outstanding literature in contemporary and traditional big band jazz. The ensemble is dedicated to increasing the knowledge of jazz literature and improving skills in improvisation and ensemble playing. Special consideration is given to the rehearsal and performance of student compositions and arrangements. The Jazz Ensemble performs publicly and may include regional tours.

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

1

MU297S - Jazz Improvisation I

Overview

Department(s)

Music

Course Description

An introduction and study with direct application of the fundamentals of jazz improvisation. There will be study of transcribed solos and tune memorization, basic chord and scale patterns and their recognition as well as chord-scale relationships and basic blues forms will be studied. Students will develop aural and performance skills related to these jazz theory skills.

Is this course available online?

No

Credits

Credit Hours

Credit Hours

2

Contact Hours

Contact Hours in excess of Credit Hours

0

Credits

Credit Hours

Credit Hours

2

MU297V - Voice Class I-Fund of Vocal Technique

Overview

Department(s)

Music

Course Description

This is an introductory level course designed to begin the development of vocal potential and to lay a foundation for proper vocal production. Materials studied may include vocal exercises, folksongs, English and Italian art songs, popular standards and musical theatre selections. Repertory will be assigned according to the student's needs, abilities, and preferences. This course is designed primarily for persons with little or no singing experience. The ability to read music is helpful but not required.

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

1

MUPVTADVP - Applied Music-Adv Primary Inst

Overview

Department(s)

Music

Credits

Credit Hours

Credit Hours

2

MUPVTPRI - Applied Music-Primary Inst.

Overview

Department(s)

Music

MUPVTREM - Mu 050-089 Pvt-Remedial Applied Music

Overview

Department(s)

Music

Is this course available online?

No

Credits

Credit Hours

Credit Hours

2

Contact Hours

Contact Hours in excess of Credit Hours

0

MUPVTSEC - Applied Music-Secondary Inst.

Overview

Department(s)

Music

Credits

Credit Hours

Credit Hours

1

NUR100 - Overview of the Nursing Profession

Overview

Department(s)

Nursing

Course Description

Note: Course restricted to current Nursing students. This course is designed to provide students with an overview for a career in the profession of nursing. The focus of the course is on the roles and responsibilities of the licensed practical nurse and the registered nurse as members of the health care delivery team. Emphasis is placed on current issues and trends in nursing practice and education, and the derivation of medical terminology.

Semester Offering

Fall and Summer

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

> Must complete entry level requirements and receive an acceptance letter into the Nursing Program.

> **Corequisite Type**
> Corequisite
>
> > **Earn a minimum grade of C in the following:**
> > - ENG101 - English Composition
> >   **AND** PSYC201 - General Psychology
> >   **AND** ANTH103 - Cultural Diversity in Contemp. Society
> >   **AND** BIOL152L&L - Human Anatomy
> >
> > Can take as Prerequisite or Concurrently
> > Course restricted to current Nursing students.
>
> **Additional Comments:**

NUR121A - Basic Pharmacology

Overview

Department(s)
Nursing

Course Description
Note: Course restricted to current Nursing students. This course is designed to provide the student with the theoretical foundation for the clinical application of pharmacology throughout the nursing curriculum. The focus of the course is on the identification of the major drug classifications. Emphasis is placed on the identification of the basic mode of action, therapeutic effects, adverse effects, nursing implications, and patient teaching for the most common drug groups within each classification.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Earn a minimum grade of C in the following:**
> > - BIOL152L&L - Human Anatomy
> >
> > Course restricted to current Nursing students.
>
> **Additional Comments:**

NUR126 - Family Health & Nursing Care

Overview

Department(s)
Nursing

Course Description
Note: Course restricted to current Nursing students. This course is designed to provide the student with the theoretical and clinical foundation for nursing practice in the care of the family. The student will use the nursing process to prioritize health needs, promote wellness, and facilitate stress adaptation with the client and family. Emphasis is placed on nursing assessment skills, nurse and patient safety, and health promotion with childbearing families.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours

7

Contact Hours

Contact Hours in excess of Credit Hours

8

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> >

> **Earn a minimum grade of C+ in the following:**
> - AH111 - Environmental Stressors and Nutrition

Additional Comments:

**Corequisite
Type**
Corequisite

> **Earn a minimum grade of C+ in the following:**
> - NUR121A - Basic Pharmacology
>
> Can take as Prerequisite or Concurrently.
> Course restricted to current Nursing students.

Additional Comments:

NUR131B - Care of the Childrearing Family

Overview
Department(s)
Nursing

Course Description
Note: Course restricted to current Nursing students. This course is designed to provide the student with the theoretical foundation for facilitating stress adaptation related to childrearing. The focus of the course is on the application of previously learned biopsychosocial and nursing principles and processes in the care of the childrearing family. Emphasis is placed on the identification of the changing priority of health needs and adaptation problems associated with infancy through young adulthood.

Semester Offering
Winter and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
8

Contact Hours
Contact Hours in excess of Credit Hours
8

Requirements
Simple Requisites

> **Prerequisite
> Type**
> Prerequisite
>
> > **Earn a minimum grade of C+ in the following:**
> > - NUR121A - Basic Pharmacology
> >   **AND** NUR126 - Family Health & Nursing Care

> Recommended: BIOL252L&L must be completed with a C or better

Additional Comments:

NUR141B - Care of the Maturing Family

Overview
Department(s)
Nursing

Course Description
Note: Course restricted to current Nursing students. This course is designed to provide the student with the theoretical foundation for facilitating stress adaptation related to adult maturation. The focus of the course is on the application of previously learned biopsychosocial and nursing principles and processes in the care of the maturing family. Emphasis is placed on the identification of the changing priority of health needs and medical adaptation problems associated with middle and late adulthood.

Semester Offering
Fall and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
8

Contact Hours
Contact Hours in excess of Credit Hours
8

Requirements
Simple Requisites

> **Prerequisite
> Type**
> Prerequisite
>
> > **Earn a minimum grade of C+ in the following:**
> > - NUR131B - Care of the Childrearing Family
>
> > **Recommended:**
> > Chemistry (see Nursing Career Ladder for options) with a C or better.
> > Can take as Prerequisite or Concurrently.
>
> **Additional Comments:**

NUR141BHON - Care of Maturing Family

Overview
Department(s)
Nursing

Muskegon Community College

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

NUR211A - Care of Family-Psycho Crisis

Overview
Department(s)
Nursing

Course Description
Note: Course restricted to current Nursing students. This course is designed to provide the student with the theoretical foundation for facilitating stress adaptation in clients/families in psychological crisis. The focus of the course is on the identification of biopsychosocial and nursing principles and processes used in the care of clients with mental health needs. Emphasis is placed on all components of the nursing process, therapeutic communication, and collaborating with team members.

Semester Offering
Winter and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
4

Contact Hours
Contact Hours in excess of Credit Hours
4

Requirements
Simple Requisites

Prerequisite Type Prerequisite

Earn a minimum grade of C+ in the following: • NUR212B - Care of the Family in Physiol. Crisis

Course restricted to current Nursing students.

Additional Comments:

NUR212B - Care of the Family in Physiol. Crisis

Overview
Department(s)
Nursing

Course Description
Note: Course restricted to current Nursing students. This course is designed to provide the student with the theoretical foundation for facilitating man's adaptation to multiple stressors in acute care settings. The focus of the course is on the identification and application of biopsychosocial and nursing principles and processes in the care of the family with complex health needs. Emphasis is placed on the application of all components of the nursing process, including use of advanced psychomotor skills, in the care of adults in physiological crisis.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits
Credit Hours
Credit Hours
8

Contact Hours
Contact Hours in excess of Credit Hours
8

Requirements
Simple Requisites

Prerequisite Type Prerequisite

Earn a minimum grade of C+ in the following: • NUR141B - Care of the Maturing Family
Earn a minimum grade of C in the following: • ENG101 - English Composition **AND** PSYC201 - General Psychology **AND** ANTH103 - Cultural Diversity in Contemp. Society **AND** BIOL152L&L - Human Anatomy   Chemistry with a grade of C or better

Additional Comments:

Corequisite Type Corequisite

Earn a minimum grade of C in the following:

- BIOL207A - Microbiology Lab
  AND BIOL207LEC - Microbiology Lecture

Plus valid, unencumbered MI LPN license and work experience in the LPN role.
(Credit for Industry-Recognized Credential may be required.)

Additional Comments:

NUR222A - Managing Care of the Family

Overview

Department(s)
Nursing

Course Description
Note: Course restricted to current Nursing students. This course is designed to provide the student with a theoretical foundation for managing the nursing care for groups of individual patients and their families. Previously learned biopsychosocial and nursing principles are integrated into the nurse manager role. Emphasis is placed on the use of management principles, the nursing process, trends in nursing, and transition into the registered nurse role.

Semester Offering
Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
5

Contact Hours

Contact Hours in excess of Credit Hours
6

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Earn a minimum grade of C+ in the following:
- NUR211A - Care of Family-Psycho Crisis

Course restricted to current Nursing students.

Additional Comments:

OCE101 - Introduction to Oceanography

Overview

Department(s)
Geology

Course Description
Oceanography is the study of the oceans through the lens of many different scientific disciplines. This course emphasizes geological, chemical, physical, and biological aspects of oceanography and how these systems interact and influence one another. Topics range from air-sea gas exchange and its influence on global climate, to the differences between waves and tsunamis and what causes them to occur, to life in the ocean and how it is influenced by geologic, chemical, and physical processes in the ocean.

Semester Offering
Fall Semester Only

Credits

Credit Hours

Credit Hours
4

Requirements

Free Form Requirements
None

OFC111 - Sports Officiating BB, BB & FB

Overview

Department(s)
Physical Ed/Professional

Course Description
Sports Officiating will provide the student with the knowledge and expertise necessary to officiate in physical education classes, intramurals, and interscholastically. It includes the basic fundamental skills on officiating as well as the rules and mechanics of baseball, basketball and football. A MCC HPER physical release is required before the start of any activity.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

OFC112 - Sports Officiating SB, BB & VB

Overview

Department(s)
Physical Ed/Professional

Course Description
Sports Officiating will provide the student with the knowledge and expertise necessary to officiate in physical education classes, intramurals, and interscholastically. It includes the basic fundamental skills on officiating as well as the rules and mechanics of softball, basketball and volleyball. A MCC HPER physical release is required before the start of any activity.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
0

PEA100C - Hatha Yoga

Overview
Department(s)
Physical Ed Activity

Course Description
Basic postures, nutrition, meditation and the psychological and philosophical principles of yoga will be studied. Breath control and focusing the mind are practiced throughout the course. An MCC HPER physical release is required before the start of any activity.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
1

PEA101A - Fitness, Wellness and Nutrition

Overview
Department(s)
Physical Ed Activity

Course Description
A study of the body functions as they relate to exercise, postural alignment, good nutrition and diet. Students will understand and experience factors important to the physical, psychological and social well-being of the individual. Individual physical fitness testing, exercise programs, leisure-time exploration and consumer skill development will be presented. An MCC HPER physical release is required before the start of any activity.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
1

PEA103 - Weight Training

Overview
Department(s)
Physical Ed Activity

Course Description
Weight training is a course which covers objectives, fundamental skills, safety suggestions and procedures to develop individual conditioning and weight training programs. Performance and written tests are given. An MCC HPER physical release is required before the start of any activity.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
1

PEA104A - Walking, Jogging and Conditioning

Overview
Department(s)
Physical Ed Activity

Course Description
A co-educational course designed for individuals interested in establishing a physical fitness program emphasizing the cardiovascular component. The class includes individually prepared programs of walking/jogging, flexibility and muscular endurance conditioning. An MCC HPER physical release is required before the start of any activity.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
1

PEA105 - Pocket Billiards

Overview
Department(s)
Physical Ed Activity

Course Description
This course is designed to teach the various games of pocket billiards. It will include rules, regulations, the fundamentals of the different games, and match play tactics and tournament competition. An MCC HPER physical release is required before the start of any activity.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
1

PEA107 - Archery

Overview
Department(s)
Physical Ed Activity

Course Description
Fundamental skills, techniques and rules of archery are practiced and studied, shooting 10-160 yards. An MCC HPER physical release is required before the start of any activity.

Semester Offering
Fall and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
1

PEA108 - Bowling

Overview
Department(s)
Physical Ed Activity

Course Description
This course includes history, rules, courtesies, fundamental skills, and team competition. An MCC HPER physical release is required before the start of any activity. (Fee)

Semester Offering
Fall and Winter

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
1

PEA109 - Sport Judo and Self Defense

Overview
Department(s)
Physical Ed Activity

Course Description
The course will include a history of the sport, basic individual fundamentals, rules interpretation, courtesies and self-defense techniques. An MCC HPER physical release is required before the start of any activity.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Enroll in the following Courses:
- PEA109 - Sport Judo and Self Defense

Must be at least 14 years old, and have basic experience in some Martial art such as Judo, Jujutsu, Karate, Self Defense or other similar art.

Additional Comments:

PEA114 - Golf I

Overview

Department(s)
Physical Ed Activity

Course Description
Fundamentals, skills, strategies and rules of golf are practiced and studied. Practice on the driving range, putting green and actual play are included. Skill and written testing. An MCC HPER physical release is required before the start of any activity. (Fee)

Semester Offering
Fall and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

PEA118 - Cycling

Overview

Department(s)
Physical Ed Activity

Course Description
This course is designed to introduce the individual to the activity of cycling. The class will include safety factors of cycling and a progressive cycling program. Fitness and written testing are included. An MCC HPER physical release is required before the start of any activity.

Semester Offering
Fall and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

PEA121 - Human Movement Science

Overview

Department(s)
Physical Ed Activity

Course Description
This course will explore the past, present, and future of human movement science highlighting professional preparation and opportunities. Physical fitness and health behaviors will be introduced, as well as an opportunity to develop a personal fitness program to begin building a healthy lifestyle. An MCC HPER physical release is required before the start of any activity.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
0

Contact Hours
Contact Hours in excess of Credit Hours
1

PEA139A - Basic Canoeing/Kayaking

Overview
Department(s)
Physical Ed Activity

Course Description
This course is designed for those students who wish to gain additional knowledge and skill in the sports of canoeing and kayaking. The course will cover the history, equipment design, regulations, skills and techniques involved in safe paddling in flat, open and swift water. For admittance into the course, the student must have swimming ability sufficient to enable him/her to maintain himself/herself in the water for ten minutes comfortably and calmly, with relaxation and gentle movements, while clothed in shirts, trousers and tennis shoes or the equivalent. An MCC HPER physical release is required before the start of any activity.

Semester Offering
Fall and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
1

PEA154A - Volleyball I

Overview
Department(s)
Physical Ed Activity

Course Description
The fundamental skills, rules, strategies and courtesies of power volleyball are practiced and studied. Written and skill testing are required. An MCC HPER physical release is required before the start of any activity.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

PEA155 - Basketball I

Overview
Department(s)
Physical Ed Activity

Course Description
This course includes: history, explanation of rules, basic individual fundamentals, offensive and defensive theory and testing of individual skills and knowledge. An MCC HPER physical release is required before the start of any activity.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
1

PEA156 - Beach Volleyball

Overview
Department(s)
Physical Ed Activity

Course Description
The fundamental skills, rules, strategies and courtesies of beach volleyball are practiced and studied. Opportunity to play, officiate and critique will be offered. Written and skill testing are required. An MCC HPER physical release is required before the start of any activity.

Semester Offering
Fall and Summer

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

PEA164 - Zumba Movement for Fitness

Overview

Department(s)
Physical Ed Activity

Course Description
Zumba is Spanish and means "to move fast and have fun". It is a sizzling fusion of traditional Cumbia, salsa, samba and meringue paired with pulsating Latin rhythms mixed with international dance steps. Sizzling music really makes this class. A MCC HPER physical release is required before the start of any activity. An MCC HPER physical release is required before the start of any activity.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

PEA165 - Tai Chi

Overview

Department(s)
Physical Ed Activity

Course Description
Research, practice, and application of the basic concepts, and internal and external aspects of Tai Chi. Students will use this traditional Chinese martial art and health practice to develop a gentle, healthy, personal and life-long exercise. An MCC HPER physical release is required before the start of any activity.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
1

PEA166 - Beginning Pickleball

Overview

Department(s)
Physical Ed Activity

Course Description
This is a beginning pickleball course in which students will develop basic knowledge and skills to play the sport of pickleball. Technical skills include forehand and backhand groundstrokes, volleys, serves, lobs, overheads, dinks, and proper footwork. Students will also learn the fundamental rules, basic strategies, and court positioning for singles and doubles play. An MCC HPER physical release is required before the start of any activity.

Semester Offering
Fall and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

PEA200 - Kundalini Yoga

Overview

Department(s)
Physical Ed Activity

Course Description
Basic postures, meditation, nutrition, and psychological and philosophical principles of Kundalini yoga will be studied. Breath control, mantra (aloud and silent), and focusing the mind are practiced throughout the course. An MCC HPER physical release is required before the start of any activity.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours

1

PEA201 - Aerobic Movement for Fitness

Overview

Department(s)
Physical Ed Activity

Course Description
An introduction to aerobic fitness programs and routines. Students will learn simple aerobic routines including steps set to music, achieving better cardiovascular endurance, muscular strength, overall flexibility and individual fitness testing. An MCC HPER physical release is required before the start of any activity.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

1

PEA201HON - Aerobic Movement - HONORS

Overview

Department(s)
Physical Ed Activity

Is this course available online?
No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

PEA209 - Sport Judo and Self Defense II

Overview

Department(s)
Physical Ed Activity

Course Description
A Muskegon Community College physical card must be on file in the Physical Education Office prior to the beginning of participation in class. Sport Judo and Self Defense II (Jujutsu) will include advanced techniques enabling the student to become more skilled in Martial Arts such as KATA (forms) and SHIAI (competition).

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

1

PEA214A - Golf II

Overview

Department(s)
Physical Ed Activity

Course Description
This course is designed for those students who wish to play, teach or coach the game of golf. Normally considered to be for the intermediate student of golf. (Fee) An MCC HPER physical release is required before the start of any activity.

Semester Offering
Fall and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

1

Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Enroll in the following Courses:
- PEA114 - Golf I

Additional Comments:

PEP200 - Essentials of Personal Training

Overview

Department(s)
Physical Ed/Professional

Course Description
Students will learn about the essentials to personal training. Students will be introduced to the human movement system, the Optimal Performance Training (OPT) model and other domains of exercise science: assessment, exercise technique and training instruction, program design, considerations in nutrition, client relations and behavioral coaching. Students will be responsible for five (5) hours of job shadowing, and will be responsible for implementing programming for peers. This class is intended for students who want to become a Certified Personal Trainer (CPT). Training certification will be a component of the course. An MCC HPER physical release is required before the start of any activity.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

PEP203 - Fundamentals of Coaching

Overview

Department(s)
Physical Ed/Professional

Course Description
This course is designed for both experienced and novice coaches interested in understanding and/or improving their professional coaching skills. Topics to be covered include: philosophy, growth and development, sports safety training, psychology, litigation/liability, and sports management. This class is intended for students who want to become a certified coach. Training certification with the MHSAA will be a component of the course.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

PHIL101 - Basic Concepts of Philosophy

Overview

Department(s)
Philosophy

Course Description
A course which presents some of the issues, questions and problems of philosophy and quasi-philosophical thought, as these issues and thoughts are developed by traditional and contemporary philosophers.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

PHIL101HON - Basic Concepts/Philos Honors

Overview

Department(s)
Philosophy

Is this course available online?
No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

PHIL102 - Principles of Logic

Overview

Department(s)

Philosophy

Course Description

A course which aims to give students an understanding of the fundamental forms of rational argument and critical reasoning skills that can be used in a wide range of disciplines and careers. There will be an examination of deductive and inductive reasoning, as well as formal and informal fallacies to facilitate the art of distinguishing correct from incorrect reasoning.

Semester Offering

Fall, Winter and Summer

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

PHIL102HON - Principles of Logic-Honors

Overview

Department(s)

Philosophy

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

PHIL104 - Symbolic Logic

Overview

Department(s)

Philosophy

Course Description

This is an introductory course in Symbolic Logic, or the art of formal reasoning. It should be of special value to anyone with an interest in mathematics, computer programming, the sciences, or philosophy. Students will learn how to work with various classical and modern formal languages such as syllogistic logic, propositional logic, modal logic, and quantificational logic, and develop the ability to think in any discipline with greater clarity, precision, and understanding. No philosophy prerequisites are needed for this course and, in particular, it is not necessary to have taken PHIL-I02, Principles of Logic, before enrolling in PHIL-104.

Semester Offering

Winter Semester Only

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

PHIL104HON - Symbolic Logic Honors

Overview

Department(s)

Philosophy

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

**Prerequisite
Type**
Prerequisite

Enroll in the following Courses:
- PHIL104 - Symbolic Logic

Can take as Prerequisite or Concurrently.

Additional Comments:

Credits

Credit Hours

Credit Hours
3

Contact Hours

**Contact Hours in
excess of Credit
Hours**
0

PHIL105 - World Religions

Overview

Department(s)
Philosophy

Course Description
In this course students will learn to understand and critically evaluate the beliefs and practices of the world's major religious traditions and will study the ways in which they impact societies and individuals. Traditions such as Confucianism, Daoism, Hinduism, Buddhism, Judaism, Christianity,

Islam, and Humanism, among others, may be covered.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

**Contact Hours in
excess of Credit
Hours**
0

PHIL202 - Introduction to Ethics

Overview

Department(s)
Philosophy

Course Description
An inquiry into both the good of the individual person and the good of society. Two-thirds of the course presents logic and an in-depth analysis of such ethical theories as relativism, egoism, utilitarianism, deontology, virtue ethics, religion, and contractarianism. One-third of the course will examine a varying assortment of such applied ethical issues as euthanasia, abortion, distributive justice, sexual ethics, and environmental ethics.

PHIL202HON - Intro to Ethics - Honors

Overview

Department(s)
Philosophy

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

**Contact Hours in
excess of Credit
Hours**
0

PHIL203 - Philosophy of Religion

Overview

Department(s)
Philosophy

Course Description
This course is an introduction to philosophical thinking by way of the philosophy of religion. It deals with metaphysical, epistemological and ethical issues raised by different religious practices, experiences, and beliefs, and should be of interest to believers and nonbelievers alike. Students both with and without previous academic philosophical experience are all welcome to enroll.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

PHIL204 - Biomedical Ethics

Overview

Department(s)

Philosophy

Course Description

An inquiry into many ethical problems which are particularly connected to the health care professions, but which are of concern to all persons. Issues studied include: individual responsibility in institutional settings, paternalism, patients' rights, human experimentation, the right to die, abortion and the right to health care in the context of limited societal resources. About one-third of the course consists of a survey of those issues and results of ethical theory and logic which sharpen perception, reduce confusion and encourage headway. Students who have completed Philosophy 202 will be assigned a special research project.

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Enroll in the following Courses:**
> > * ENG101 - English Composition
>
> **Additional Comments:**

PHIL204HON - Biomedical Ethics-Honors

Overview

Department(s)

Philosophy

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

PHIL205 - Business Ethics

Overview

Department(s)

Philosophy

Course Description

One-third of this course presents basic ethical theory and logic which together facilitate a deeper understanding of ethical problems. The second third covers those ethical problems that are apt to confront the businessperson directly and frequently. The final third of the course is an inquiry into broader ethical problems confronting business and society.

Semester Offering

Fall and Winter

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

PHIL205HON - Business Ethics

Overview

Department(s)

Philosophy

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

PHIL207 - Environmental Ethics

Overview

Department(s)

Philosophy

Course Description

One third of this course presents basic ethical theory and logic that together facilitate a deeper understanding of ethical problems. Two-thirds of the course will explore issues in environmental ethics such as various attitudes toward nature, individual and public policy choices that affect the local and global environment, the moral status of animals, and the proper role of science and technology in an environmentally sensitive world.

Semester Offering

Winter Semester Only

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

PHSC101A - Introductory Physical Science L&L

Overview

Department(s)

Physical Science

Course Description

This is a course for non-science majors offering students a broad exposure to the physical sciences. The approach to this course is conceptual and contemporary, and includes topics from various physical sciences. Students will use both empirical and theoretical evidence to gain an understanding of the fundamental laws that govern the universe.

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

4

Contact Hours

Contact Hours in excess of Credit Hours

2

PHSC101HON - Physical Science Honors

Overview

Department(s)

Physical Science

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

PHYS201HON - Principles of Physics

Overview

Department(s)

Physics

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

PHYS203HON - Physical Science-Honors

Overview

Department(s)
Physics

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

PHYS201CL&L - College Physics I Lecture and Lab

Overview

Department(s)
Physics

Course Description
A course that develops, by means of lecture and laboratory experience, a basis for understanding the physical aspects of phenomenon classified as mechanics, heat, and waves (sound). This course is especially suitable for pre-professional students such as pre-med, pre-law, pre-dental, and life science and liberal arts majors.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
5

Contact Hours

Contact Hours in excess of Credit Hours
2

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Enroll in the following Courses:
- MATH141 - Precalculus

Additional Comments:

PHYS202CL&L - Principles of Physics Lecture & Lab

Overview

Department(s)
Physics

Course Description
A continuation of PHYS-201C which considers the physical aspects of phenomenon classified as magnetism, electricity, light, and nuclear physics. This course is especially suitable for preprofessional students such as pre-med, pre-law, predental, and life science and liberal arts majors.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
5

Contact Hours

Contact Hours in excess of Credit Hours
2

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Enroll in the following Courses:
- PHYS201CL&L - College Physics I Lecture and Lab

Additional Comments:

PHYS203L&L - Engineering Physics Lecture & Lab

Overview

Department(s)
Physics

Course Description
A course designed for students majoring in engineering, mathematics or the physical sciences. Lectures, labs, demonstrations, discussions and problems on the principles of mechanics, sound, waves, heat and thermodynamics. Computer applications included. Graphing calculators will be utilized.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
5

Contact Hours

Contact Hours in excess of Credit Hours
2

Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Earn a minimum grade of C in the following:
• MATH161 - Calculus I
Or instructor permission with prior calculus experience
Additional Comments:

PHYS204L&L - Engineering Physics Lecture & Lab

Overview

Department(s)
Physics

Course Description
A continuation of PHYS-203. Lectures, labs, demonstrations, discussions, and problems on the principles of electricity, magnetism, circuits, light, and modern physics. Computer applications included.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
5

Contact Hours

Contact Hours in excess of Credit Hours
2

Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Earn a minimum grade of C in the following:
• PHYS203L&L - Engineering Physics Lecture & Lab
• MATH162A - Calculus II
Additional Comments:

Corequisite
Type
Corequisite
Complete ALL of the following Courses:
• MATH162A - Calculus II
Can take as Prerequisite or Concurrently.
Additional Comments:

PSCI100 - Introduction to Political Science

Overview

Department(s)
Political Science

Course Description
This survey course is designed for anyone interested in gaining a general overview of political science, whether you're planning to take just one course or pursuing further study in areas like American politics, comparative politics, international relations, or political theory. Throughout the course, we will explore various approaches political scientists use to examine political phenomena, enhancing your understanding of political life both as a thinker and a citizen. The primary aim is to introduce you to key concepts, terminology, and methods within the discipline while examining real-world applications of political science.In this introductory course, we will cover fundamental principles of political science by combining historical insights from influential thinkers with an analysis of contemporary issues. We will also delve into key questions that shape the field, such as: How do we define the evolving nature of power? What distinguishes legitimate governance from illegitimate? How do we differentiate between political institutions and political behavior? In what ways do leaders determine who is heard and counted in a political community? By the end of this course, you will be well-versed in these topics and able to engage in discussions about contemporary politics.

Semester Offering
Fall, Winter and Summer

Credits

Credit Hours

Credit Hours
3

Requirements

Free Form Requirements
None

PSCI111 - Introduction to American Government

Overview

Department(s)
Political Science

Course Description
A study of the structure and function of U.S. national, state, and local government emphasizing the basic rights and responsibilities of citizenship, as well as an introduction to basic forms and philosophies of government.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

PSCI111HON - Intro to American Government-Honors

Overview

Department(s)
Political Science

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

PSCI202 - International Relations

Overview

Department(s)
Political Science

Course Description
This course examines political relationships worldwide. It will include the analysis of conflicts in the world, and how nations search for peace through the United Nations. Additional areas to be examined are international law, the World Trade Organization, the International Monetary Fund, the World Bank, currency exchange rates, the integration of trade blocs like the European Union, environmental pollution, and economic development.

Semester Offering
Fall Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

PSCI202HON - International Relat-Honors

Overview

Department(s)
Political Science

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

PSCI203HON - Read in Hist of West Pol Tho

Overview

Department(s)
Political Science

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

PSCI205 - Contemporary Political Issues in US

Overview
Department(s)
Political Science

Course Description
An intensive study and critical analysis of contemporary political issues in U.S. Government involving issues that deal with some or all the following: basic concepts of U.S. democracy, state-federal relationships, government finance, political interest groups, legislative powers, executive powers, judicial powers, civil rights, civil liberties, and international relations.

Semester Offering
Fall and Winter

Credits
Credit Hours
Credit Hours
3

PSCI205HON - Contemp Political Issues in Us-Honors

Overview
Department(s)
Political Science

Credits
Credit Hours
Credit Hours
1

PSCI210A - Int'l Organizations United Nations

Overview
Department(s)
Political Science

Course Description
This course concentrates on the objectives, functions and structure of international organizations, specifically the United Nations. This course will prepare and provide students an opportunity to participate in an off campus conference featuring simulations of the United Nations.

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

PSCI210B - International Organizations/Arab League

Overview
Department(s)
Political Science

Course Description
This course concentrates on the objectives, functions and structure of international organizations, specifically the Arab League. This course will prepare and provide students an opportunity to participate in an off campus conference featuring simulations of the Arab League.

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

PSCI210BHO - Internat Org-Arab League/Hon

Overview
Department(s)
Political Science

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours

0

PSCI210C - International Organizations - NATO

Overview

Department(s)
Political Science

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours

0

PSCI210CHO - Internat Organ-Nato (honors)

Overview

Department(s)
Political Science

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours

0

PSCI211 - Comparative World Governments

Overview

Department(s)
Political Science

Course Description
This course will compare governments in various European, American, Asian, and African states. Students will examine political, cultural, economic, and historical reasons for similarities and differences between nations. The United States will be used as a model for comparison.

Semester Offering
Winter Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours

0

PSCI211HON - Comparative World Goverments-Honors

Overview

Department(s)
Political Science

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours

0

PSCI212A - Gettysburg Battlefields

Overview

Department(s)
Political Science

Course Description
This course concentrates on an intensive study of the pivotal battle for America's future: Gettysburg. Major topics include the varying causes of the Civil War, Northern and Southern armies and military strategy and the short and long ramifications of the three-day battle for Gettysburg.

Is this course available online?
No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

1

PSCI214 - Siege of Vicksburg-US Civil War

Overview

Department(s)

Political Science

Course Description

This course concentrates on an intensive study of a ten-month campaign resulting in a siege of the city of Vicksburg. Primary topics include examination of the geography and topography of the Mississippi Valley during the 1860's as at relates to the American Civil War.

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

1

PSCI220 - Labor Studies

Overview

Department(s)

Political Science

Course Description

A survey course studying and critically analyzing the historical, political, and legal frameworks of the labor movement, major labor laws, causes and purposes of the labor movement, union structure and behavior, and labor-management approaches to solving employment disputes in the U.S. and internationally.

Semester Offering

Fall Semester Only

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

PSCI220HON - Labor Studies-HONORS

Overview

Department(s)

Political Science

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

PSCI299LE - Legislative Internship

Overview

Department(s)

Political Science

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

PSCI111I2 - Intro to American Government

Overview

Department(s)
Political Science

Course Description
Independent Study

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
0

PSCI299LE6 - Legislative Internship

Overview

Department(s)
Political Science

Is this course available online?
No

Credits

Credit Hours

Credit Hours
6

Contact Hours

Contact Hours in excess of Credit Hours
0

PSYC102 - Applied Psychology

Overview

Department(s)
Psychology

Course Description
This course focuses on the practical application of psychological principles in everyday life. A variety of psychological perspectives will be utilized to enhance students' ability to understand and change behavior. This course is designed for those in Certificate Programs and those seeking personal enrichment. This course is not intended as a transfer course, though it may be accepted at some transfer schools for elective psychology credit. For those who wish to earn a Bachelor's Degree, PSYC-201, General Psychology is the recommended transfer course.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

PSYC201 - General Psychology

Overview

Department(s)
Psychology

Course Description
This course provides an academic survey of research methods and statistics, and in-depth study of neuroscience, development, learning/memory, sensation/perception, states of consciousness, motivation/emotion, stress/health, disorders/therapy, and social psychology. It is especially recommended for those who plan to continue their education beyond the associate degree level.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

PSYC201HON - General Psychology-Honors

Overview

Department(s)
Psychology

Is this course available online?
No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Enroll in the following Courses:**
> > - PSYC201 - General Psychology
> >
> > Can take as Prerequisite or Concurrently
>
> **Additional Comments:**

PSYC203 - Abnormal Psychology

Overview

Department(s)
Psychology

Course Description
Students will examine the origins of mental illness using biological, psychodynamic, behavioral, cognitive, humanistic-existential, and socio-cultural perspectives. They will study the biomedical and psychologically based interventions used in the treatment of maladaptive behavior, and the community-based prevention measures and treatment efforts used to promote mental health.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours

4

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Earn a minimum grade of C in the following:**
> > - PSYC201 - General Psychology
>
> **Additional Comments:**

PSYC203HON - Abnormal Psychology-Honors

Overview

Department(s)
Psychology

Is this course available online?
No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

PSYC207 - Life Span Development

Overview

Department(s)
Psychology

Course Description
This course will survey the psychological research and theory of patterns of biological, cognitive, emotional, and social development from conception through death.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours

4

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Prerequisite Type

Prerequisite

Earn a minimum grade of C in the following:
- PSYC201 - General Psychology

Additional Comments:

PSYC208HON - PSYC-208-HONORS

Overview

Department(s)

Psychology

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

PSYC209 - Psychological Disorders of Childhood

Overview

Department(s)

Psychology

Course Description

This course provides a topical survey of the area of childhood psychological disorders. This course will include an examination of assessment, diagnosis, and treatments of various behavioral, emotional, and developmental/learning disorders commonly found during childhood and adolescence. In addition, child maltreatment and non-accidental trauma will also be discussed.

Semester Offering

Winter Semester Only

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Prerequisite Type

Prerequisite

Earn a minimum grade of C in the following:
- PSYC201 - General Psychology

Additional Comments:

PSYC210 - Social Psychology

Overview

Department(s)

Psychology

Course Description

Social psychology focuses on how an individual's thoughts, feelings, and actions are influenced by others. This course will survey the research and theory of patterns of social identity, social influence, social perception, and social cognition. Additional topics include altruism, aggression, attitude change, and interpersonal attraction. There is an ongoing emphasis on how social psychology applies to medicine, the law, and work organizations.

Semester Offering

Fall and Winter

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>
> > Complete ANY of the following Courses:
> > - PSYC201 - General Psychology
> >   **OR** SOC101 - Principles of Sociology
>
> **Additional Comments:**

PSYC210HON - Social Psychology Honors

Overview

Department(s)
Psychology

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

PSYC201S1.5 - General Psychology-Supplement

Overview

Department(s)
Psychology

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1.5

Contact Hours

Contact Hours in excess of Credit Hours
0

QC101 - Basic Quality Control

Overview

Department(s)
Tech Related

Course Description
This course presents practical approaches to quality problems. It includes study of basic techniques and laboratory workshop periods in developments of functional quality control. These include charting, sampling, analyzing probability relations, frequency distributions, vendor control, diagnosing the cause of defects, quality improvement and supervisory obligations.

Semester Offering
Fall Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

RDG040A - Essential Reading Skills

Overview

Course Description
Course includes individualized weekly assignments and private instruction. Additional lab time is required.

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

RDG040C - Essential Reading Skills

Overview

Course Description
Course includes weekly assignments, some one-on-one and small group instruction. Additional lab time is required.

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

RDG040E - Reading and Succeeding in College

Overview

Course Description
This course is designed for at-risk students who have completed RDG-040A or RDG-040C but have not reached 10th grade reading level on the Nelson-Denny Reading Test and, consequently, are not ready for RDG-134A, RDG-134B, or RDG-134C. Students will learn time management, concentration strategies, reading strategies, how to read and study a textbook assignment, how to take lecture notes, and how to study for tests. Additional lab time is required.

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Complete ANY of the following Courses:
- RDG040A - Essential Reading Skills
  OR RDG040C - Essential Reading Skills

Additional Comments:

RDG090 - Integrated Reading and Writing

Overview

Course Description
This course will focus on the development of effective critical thinking, reading, and writing skills. Students will develop their ability to participate in academic discussions by reading and responding to academic texts and by writing clear sentences, effectively developed paragraphs, and short essays. This course is designed to support students enrolled in ENG-101 and must be taken during the same semester.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Corequisite
Type
Corequisite

Enroll in the following Courses:
- ENG101 - English Composition

Additional Comments:

RDG130 - Advanced Reading Skills I

Overview

Course Description
Course work focuses on vocabulary and comprehension strategy development. Additional lab time and/or small group meetings may be required.

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours

0

RDG134A - Vocabulary/Spelling

Overview

Course Description

The course builds a practical college-level vocabulary by teaching Greek and Latin etymology, dictionary skills, vocabulary memory devices and use of context. Additional lab time is required.

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

RDG134B - Comprehension/Speed

Overview

Course Description

The course improves reading speed and develops comprehension of main ideas and details. Additional lab time is required.

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

RDG134C - Study Skills/Test Taking

Overview

Course Description

The course teaches time management, concentration, memory improvement, note taking, test taking, text-study, and college library skills. Note: We recommend that students taking RDG-134C also take at least one lecture-type college course during that semester.

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

RDG297 - Integrated Reading and Writing

Overview

Course Description

This course is for students seeking to fulfill MCC's College Reading Proficiency requirement. This course will focus on the development of effective critical thinking, reading, and writing skills. Students will develop their ability to participate in academic discussions by reading and responding to academic texts and by writing clear sentences, effectively developed paragraphs, and short essays. Completing this course with a grade of C or better will fulfill MCC's College Reading Proficiency Requirement and prepare the student for ENG-091.

Semester Offering

Fall, Winter and Summer

Is this course available online?

No

Credits

Credit Hours

Credit Hours

4

Contact Hours

Contact Hours in excess of Credit Hours

0

REC111 - Introduction to Recreation and Leisure

Overview

Department(s)

Recreation

Course Description
An examination of the history and development of the park and recreation movement; sociological, economical, psychological and political consideration of leisure and recreation in contemporary societies; professional and service organizations and their interrelationships; and orientation to the professional field.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
0

RT101 - Respiratory Therapy Physics

Overview
Department(s)
Respiratory Therapy

Course Description
This course introduces the student to the basic concepts of classical physics used in respiratory care.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

RT102 - Basic Patient Care Skills

Overview
Department(s)
Respiratory Therapy

Course Description
This course is designed as a general introduction to patient care. The student will master skills including: vital signs, medical asepsis, isolation techniques, proper body mechanics, and introduce the student to medical terminology, medical vocabulary, medical abbreviations and charting procedures.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
1

RT111B - Introduction to Respiratory Therapy

Overview
Department(s)
Respiratory Therapy

Course Description
This course is designed to give an introduction to the field of Respiratory Therapy and to basic medical sciences. Topics included are: the gas laws, physical states and structure of matter, role of energy in chemical and biological systems, acid-base physiology and processes of body metabolism.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
2

Contact Hours
Contact Hours in excess of Credit Hours
0

Requirements
Simple Requisites

Prerequisite Type	Prerequisite

Complete ALL of the following Courses:
- RT101 - Respiratory Therapy Physics
  AND RT102 - Basic Patient Care Skills

Additional Comments:

**Corequisite
Type**
Corequisite

Enroll in the following Courses:
- RT110AL&L - Equipment and Procedures I

Additional Comments:

RT121 - Cardio-Respiratory Pharmacology

Overview

Department(s)
Respiratory Therapy

Course Description
This course introduces the student to the general principles of pharmacology and gives an in-depth study of cardiopulmonary drugs.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

**Prerequisite
Type**
Prerequisite

Complete ALL of the following Courses:
- RT110AL&L - Equipment and Procedures I
  AND RT111B - Introduction to Respiratory Therapy

Additional Comments:

**Corequisite
Type**
Corequisite

Enroll in the following Courses:
- RT120AL&L - Equipment and Procedures II
  AND RT122 - Clinical I

Additional Comments:

RT122 - Clinical I

Overview

Department(s)
Respiratory Therapy

Course Description
This course is designed to introduce the student to patient care. The student will be assigned such responsibilities as general rounds. In addition, students will observe certain respiratory care procedures being performed.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
2

Requirements

Simple Requisites

**Prerequisite
Type**
Prerequisite

Complete ALL of the following Courses:
- RT110AL&L - Equipment and Procedures I
  AND RT111B - Introduction to Respiratory Therapy

Additional Comments:

**Corequisite
Type**
Corequisite

Enroll in the following Courses:
- RT120AL&L - Equipment and Procedures II
  AND RT121 - Cardio-Respiratory Pharmacology

Additional Comments:

RT131 - Physiology

Overview

Department(s)
Respiratory Therapy

Course Description
This course is designed to give the student an in-depth study of cardiopulmonary physiology.

Semester Offering
Summer Session Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - RT120AL&L - Equipment and Procedures II
> >   **AND** RT121 - Cardio-Respiratory Pharmacology
> >   **AND** RT122 - Clinical I
>
> **Additional Comments:**

> **Corequisite Type**
> Corequisite
>
> > **Enroll in the following Courses:**
> > - RT130AL&L - Respiratory Therapy Equipment
> >   **AND** RT132 - Respiratory Therapy Clinical II
> >   **AND** RT134 - Intro-Mechanical Ventilation
>
> **Additional Comments:**

RT132 - Respiratory Therapy Clinical II

Overview

Department(s)
Respiratory Therapy

Course Description
This course is designed to allow the student to practice techniques mastered in the previous practicum. During this course, the student will also become proficient in performing all basic respiratory care in the hospital.

Semester Offering
Summer Session Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
5

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - RT120AL&L - Equipment and Procedures II
> >   **AND** RT121 - Cardio-Respiratory Pharmacology
> >   **AND** RT122 - Clinical I
>
> **Additional Comments:**

> **Corequisite Type**
> Corequisite
>
> > **Enroll in the following Courses:**
> > - RT130AL&L - Respiratory Therapy Equipment
> >   **AND** RT131 - Physiology
> >   **AND** RT134 - Intro-Mechanical Ventilation
>
> **Additional Comments:**

RT134 - Intro-Mechanical Ventilation

Overview

Department(s)
Respiratory Therapy

Course Description
This course is designed to introduce the student to the theories of adult mechanical ventilation. Emphasis will be placed on patient assessment, indications, modes of ventilation, and management of the mechanically ventilated adult patient.

Semester Offering
Summer Session Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

**Contact Hours in
excess of Credit
Hours**
0

Requirements

Simple Requisites

> **Prerequisite
> Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - RT120AL&L - Equipment and Procedures II
> >   **AND** RT121 - Cardio-Respiratory Pharmacology
> >   **AND** RT122 - Clinical I
>
> **Additional Comments:**

> **Corequisite
> Type**
> Corequisite
>
> > **Enroll in the following Courses:**
> > - RT130AL&L - Respiratory Therapy Equipment
> >   **AND** RT131 - Physiology
> >   **AND** RT132 - Respiratory Therapy Clinical II
>
> **Additional Comments:**

RT141 - Respiratory Pathophsiology

Overview

Department(s)
Respiratory Therapy

Course Description
This course examines the mechanism of pulmonary disease. Emphasis is placed on a detailed study of etiology, clinical manifestations, treatment, complications, and prognosis for most pulmonary disorders.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

**Contact Hours in
excess of Credit
Hours**
0

Requirements

Simple Requisites

> **Prerequisite
> Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - RT130AL&L - Respiratory Therapy Equipment
> >   **AND** RT131 - Physiology
> >   **AND** RT132 - Respiratory Therapy Clinical II
> >   **AND** RT134 - Intro-Mechanical Ventilation
>
> **Additional Comments:**

> **Corequisite
> Type**
> Corequisite
>
> > **Enroll in the following Courses:**
> > - RT144A - Adult Mechanical Ventilation
> > - RT152ACLI - Clinical IV
>
> **Additional Comments:**

RT144A - Adult Mechanical Ventilation

Overview

Department(s)
Respiratory Therapy

Course Description
This course is a continuation of the Introduction to Mechanical Ventilation course. Emphasis will be placed on the evaluation, care and management of mechanically ventilated adult patients. Additional emphasis will be placed on the application, mechanical functions and operation of specific ventilator systems.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Complete ALL of the following Courses:
- RT134 - Intro-Mechanical Ventilation
  AND RT130AL&L - Respiratory Therapy Equipment
  AND RT132 - Respiratory Therapy Clinical II
  AND RT131 - Physiology

Additional Comments:

Corequisite
Type
Corequisite

Enroll in the following Courses:
- RT141 - Respiratory Pathophsiology
  AND RT152ACLI - Clinical IV

Additional Comments:

RT152ACLI - Clinical IV

Overview

Department(s)
Respiratory Therapy

Course Description
This course is designed to allow the student to develop competency in the critical care areas, mastering skills in mechanical ventilation of adult patients.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
5

Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Complete ALL of the following Courses:
- RT130AL&L - Respiratory Therapy Equipment
  AND RT131 - Physiology
  AND RT132 - Respiratory Therapy Clinical II
  AND RT134 - Intro-Mechanical Ventilation

Additional Comments:

Corequisite
Type
Corequisite

Enroll in the following Courses:
- RT141 - Respiratory Pathophsiology
  AND RT144A - Adult Mechanical Ventilation

Additional Comments:

RT162 - Clinical V

Overview

Department(s)
Respiratory Therapy

Course Description
This course is designed to allow the student to further develop skills and competence in the adult critical care areas. Here the student will master ventilator therapy of the adult patient. By the end of the semester, the student should be able to assume a well-rounded position on the Respiratory care team.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
7

Contact Hours

Contact Hours in excess of Credit Hours
9

RT162ACLI - Clinical V

Overview

Department(s)
Respiratory Therapy

Course Description
This course is designed to allow the student to further develop skills and competence in the adult critical care areas. Here the student will master ventilator therapy of the adult patient. By the end of the semester, the student should be able to assume a well-rounded position on the Respiratory care team.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
5

Contact Hours

Contact Hours in excess of Credit Hours
11

Requirements
Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - RT141 - Respiratory Pathophsiology
> >   **AND** RT144A - Adult Mechanical Ventilation
> >   **AND** RT152ACLI - Clinical IV
>
> **Additional Comments:**

RT210 - Cardiovascular and Renal Physiology

Overview

Department(s)
Respiratory Therapy

Course Description
This course is designed to present the anatomy, physiology and monitoring methods used to examine the heart-lung system and the kidneys. Emphasis will be placed on the electrocardiogram and hemodynamic monitoring, cardiac pharmacology, renal control of electrolytes and applications toward clinical respiratory care.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements
Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>
> > **Complete ANY of the following Courses:**
> > - RT162ACLI - Clinical V
>
> **Additional Comments:**

> **Corequisite**
> **Type**
> Corequisite
>
> > **Enroll in the following Courses:**
> > - RT220C - Pediatric/Neonatal Critical Care
>
> **Additional Comments:**

RT212B - Adv Clinical Practice I

Overview

Department(s)
Respiratory Therapy

Course Description
This clinical rotation is designed to prepare the student for an in-depth analysis of various critical care and diagnostic specialties.

Semester Offering
Summer Session Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
5

Contact Hours

Contact Hours in excess of Credit Hours
11

Requirements

Simple Requisites

**Prerequisite
Type**
Prerequisite

Complete ALL of the following Courses:
- RT210 - Cardiovascular and Renal Physiology
  AND RT220C - Pediatric/Neonatal Critical Care

Additional Comments:

RT220C - Pediatric/Neonatal Critical Care

Overview

Department(s)
Respiratory Therapy

Course Description
This course is designed to examine the various methods and procedures used to evaluate and care for the high-risk infant and pediatric patient. Emphasis will be placed on fetal development and monitoring, maternal risk factors, labor and delivery, newborn pathophysiology, mechanical ventilation and cardiopulmonary monitoring.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
2

Requirements

Simple Requisites

**Prerequisite
Type**
Prerequisite

Complete ALL of the following Courses:
- RT162ACLI - Clinical V

Additional Comments:

**Corequisite
Type**
Corequisite

Enroll in the following Courses:
- RT210 - Cardiovascular and Renal Physiology

Additional Comments:

RT222A - Advanced Clinical II

Overview

Department(s)
Respiratory Therapy

Course Description
This is the second and last clinical rotation taken by the second-year student. It is designed to expose the student to various specialties of respiratory care, including one day each in: home care, rehabilitative care, pulmonary function testing, sleep studies, smoking cessation, asthma education.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
5

Requirements

Simple Requisites

**Prerequisite
Type**
Prerequisite

Complete ALL of the following Courses:
- RT212B - Adv Clinical Practice I

Additional Comments:

**Corequisite
Type**
Corequisite

Enroll in the following Courses:
- RT230B - Pulmonary Diagnostics and Rehabilitation
  AND RT240 - Health Care Environment

Additional Comments:

RT230B - Pulmonary Diagnostics and Rehabilitation

Overview

Department(s)
Respiratory Therapy

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - RT212B - Adv Clinical Practice I
>
> **Additional Comments:**

> **Corequisite Type**
> Corequisite
>
> > **Enroll in the following Courses:**
> > - RT222A - Advanced Clinical II
> >   **AND** RT240 - Health Care Environment
>
> **Additional Comments:**

RT240 - Health Care Environment

Overview

Department(s)
Respiratory Therapy

Course Description
This course is designed to acquaint the student with the environments and forces that shape health care policy. Emphasis is placed on the social, political, medical, and economic forces that influence the provision of health care today.

Semester Offering
Fall Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - RT212B - Adv Clinical Practice I
>
> **Additional Comments:**

> **Corequisite Type**
> Corequisite
>
> > **Enroll in the following Courses:**
> > - RT222A - Advanced Clinical II
> >   **AND** RT230B - Pulmonary Diagnostics and Rehabilitation
>
> **Additional Comments:**

RT297F - Clinical II

Overview

Department(s)
Respiratory Therapy

Course Description
This course is designed to allow the student to use information and techniques they have learned in previous classes, and put them in practice using various forms of clinical simulations as well as class group discussions.

Semester Offering
Summer Session Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

**Prerequisite
Type**
Prerequisite

Complete ALL of the following Courses:
- RT120AL&L - Equipment and Procedures II
  AND RT121 - Cardio-Respiratory Pharmacology
  AND RT122 - Clinical I

Additional Comments:

**Corequisite
Type**
Corequisite

Enroll in the following Courses:
- RT130AL&L - Respiratory Therapy Equipment
  AND RT131 - Physiology
  AND RT134 - Intro-Mechanical Ventilation

Additional Comments:

RT297G - Advanced Clinical Practicum I

Overview

Department(s)
Respiratory Therapy

Course Description
The student will use critical thinking skills to manage patients in the hospital setting. Their responses will be measured against known outcome measurements.

Semester Offering
Summer Session Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours

7

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

**Prerequisite
Type**
Prerequisite

Complete ALL of the following Courses:
- RT210 - Cardiovascular and Renal Physiology
  AND RT220C - Pediatric/Neonatal Critical Care

Additional Comments:

RT110AL&L - Equipment and Procedures I

Overview

Department(s)
Respiratory Therapy

Course Description
This course is designed to cover equipment and procedures in routine oxygen therapy. Topics included are: the physical properties of gases, manufacture and transport of medical gases, oxygen storage systems, pressure regulating systems, flow regulating systems, oxygen delivery equipment, and oxygen analyzers.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

1

Requirements

Simple Requisites

**Prerequisite
Type**
Prerequisite

Complete ALL of the following Courses:
- RT101 - Respiratory Therapy Physics
  AND RT102 - Basic Patient Care Skills

Additional Comments:

**Corequisite
Type**
Corequisite

Enroll in the following Courses:
- RT111B - Introduction to Respiratory Therapy

Additional Comments:

RT120AL&L - Equipment and Procedures II

Overview

Department(s)
Respiratory Therapy

Course Description
This course is designed to familiarize the student with proper techniques and equipment used for the delivery of aerosol/humidity therapy, incentive spirometry, intermittent positive pressure breathing (IPPB) and chest physical therapy.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
1

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Complete ALL of the following Courses:
- RT110AL&L - Equipment and Procedures I
  AND RT111B - Introduction to Respiratory Therapy

Additional Comments:

Corequisite Type
Corequisite

Enroll in the following Courses:
- RT121 - Cardio-Respiratory Pharmacology
  AND RT122 - Clinical I

Additional Comments:

RT130AL&L - Respiratory Therapy Equipment

Overview

Department(s)
Respiratory Therapy

Course Description
This course is designed to present procedural tasks including: intubation, airway care and management, pulmonary function testing and arterial blood gas sampling.

Semester Offering
Summer Session Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
1

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Complete ALL of the following Courses:
- RT120AL&L - Equipment and Procedures II
  AND RT121 - Cardio-Respiratory Pharmacology
  AND RT122 - Clinical I

Additional Comments:

Corequisite Type
Corequisite

Enroll in the following Courses:
- RT131 - Physiology
  AND RT132 - Respiratory Therapy Clinical II
  AND RT134 - Intro-Mechanical Ventilation

Additional Comments:

SOC101 - Principles of Sociology

Overview

Department(s)
Sociology

Course Description
A course offering the student an opportunity to grasp the basic principles necessary to develop sociological insights. Societal structure, as well as the basic tools of sociological measurement are surveyed. Emphasis is on the United States from a global perspective. The course is designed to equip sociology majors with the necessary foundation to continue in sociology and to provide non-majors with a general understanding of the structure and processes of society.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
0

SOC101HON - Prin. of Sociology-Honors

Overview
Department(s)
Sociology

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

SOC102A - Race, Ethnicity, & Immigration

Overview
Department(s)
Sociology

Course Description
This course explores the related concepts of race, ethnicity, and immigration and their impact on the social conditions of diverse American communities. Students will learn how race relations shape politics, economics, housing, health, education law, entertainment, and civil society. Students will learn about the conditions in which different peoples were incorporated into the American polity and how this incorporation affects people's lives on the group and individual level.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
0

SOC102AHON - Race, Ethnicity, and Imm - Hon

Overview
Department(s)
Sociology

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

SOC102AI - Race, Ethnicity, & Immigration

Overview
Department(s)
Sociology

Is this course available online?
No

Credits
Credit Hours
Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours

0

SOC102HON - Prin Ethnic Min in Amer-Hon

Overview

Department(s)

Sociology

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

SOC202A - Modern Social Problems

Overview

Department(s)

Sociology

Course Description

This course surveys major obstacles faced by societies from a sociological perspective. Social problems rooted in fundamental inequalities are surveyed including: economic inequality, work, education, race and ethnicity, gender, crime, and the family. Social problems are defined, cause is analyzed, and solutions are critically evaluated.

Semester Offering

Winter Semester Only

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - SOC101 - Principles of Sociology
>
> **Additional Comments:**

SOC202AHON - Modern Social Problems Honors

Overview

Department(s)

Sociology

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

> **Prerequisite Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - SOC101 - Principles of Sociology
>
> **Additional Comments:**

SOC203 - Introduction to Social Work

Overview

Department(s)

Sociology

Course Description

Designed to present the objectives, methods and practices of the current field of social work. Where possible and whenever possible field work is included as part of the course offering. Field observation trips, presentations by practicing social workers, research practitioners and members of relevant social institutions and

agencies will also be included. This course also assists those students majoring in education, ministry, medicine or law to gain intelligent awareness of the functions of existing social agencies in the Muskegon community.

Semester Offering
Fall and Winter

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite Type Prerequisite
Complete ANY of the following Courses: - SOC101 - Principles of Sociology   **OR** SOC202A - Modern Social Problems
Additional Comments:

Free Form Requirements
None

SOC205 - Marriage and Family

Overview

Department(s)
Sociology

Course Description
Marriage and Family explores the sociological and ecological perspectives of intimate relationships and family dynamics of modern society; including changing traditions and family forms. With an emphasis on current research and demographics, topics studied in the course include: gender, sexuality, love, communication, conflict, singlehood and cohabitation, parenting, divorce, and blended families. There are no required laboratory hours or field trips for this course.

Semester Offering
Winter Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite Type Prerequisite
Earn a minimum grade of C in the following: SOC101 - Principles of Sociology
Additional Comments:

SOC205HON - Marriage and Family Honors

Overview

Department(s)
Sociology

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

SOC206 - Introduction to Aging

Overview

Department(s)
Sociology

Course Description
An overview of gerontology that emphasizes identifying, describing and explaining challenges, patterns and processes concerning the elderly. This approach enables students and practitioners to acquire basic knowledge critical for careers related to gerontology, and to anticipate problems and promises of their own later lives.

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours

0

SOC206HON - Gerontology Honors

Overview

Department(s)
Sociology

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

SOC210HON - Social Psychology-Honors

Overview

Department(s)
Sociology

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

SPA099 - Student Placement Advancement

Overview

Department(s)
College Success Seminar

Course Description
The SPA is a non-credit math workshop designed for students who desire a refresher before starting their first college-level math course. Content may include topics ranging from pre-algebra through advanced algebra and will be dependent upon student needs. Students will complete pre- and post-tests to assess their progress. The SPA may be offered in different formats and in varying time frames, depending on the semester, purpose, and student populations. Email cscenter@muskegoncc.edu with questions.

Is this course available online?
No

Credits

Credit Hours

Credit Hours
0

Contact Hours

Contact Hours in excess of Credit Hours
0

SPAN090 - Workplace Conversational Spanish I

Overview

Department(s)
Foreign Language Dept

Course Description
This course offers an introduction to the Spanish language with particular emphasis on pronunciation, workplace greetings, farewells, courtesies, basic grammar principles, numbers, and cultural concepts as applicable to the workplace setting. Enrollment in SPAN-090 does not require the ready to succeed prerequisite.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

SPAN101 - Basic Spanish

Overview

Department(s)
Foreign Language Dept

Course Description
It is designed to help the student achieve a minimal oral capability, to comprehend the structure of the language, and to develop moderate reading and writing skills. There is no laboratory requirement, but the student is required to meet with a native speaker, when available, for group conversation practice. There will be an emphasis placed on the value of culture.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Recommend ENG-101 with minimum grade of "C" prior to taking this course.

SPAN102 - Basic Spanish - Second Semester

Overview

Department(s)
Foreign Language Dept

Course Description
Spanish 102 assumes that the student has studied Spanish for at least one semester at the college level (preferably Spanish 101). The student continues to develop the capacity to read, write, speak and comprehend Spanish. The grammatical emphasis is on identifying and using the Present, Preterit, and Imperfect tenses along with other grammatical concepts. There is no laboratory requirement, but the student is required to meet with a native speaker, when available, for group conversation practice. There will be an emphasis placed on the value of culture.

Semester Offering
Fall, Winter and Summer

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Earn a minimum grade of C in the following:
- SPAN101 - Basic Spanish

or Successful completion of two recent years high school Spanish and Instructor Permission

Additional Comments:

SPAN201 - Intermediate Spanish

Overview

Department(s)
Foreign Language Dept

Course Description
This course reviews and reinforces the material learned in the first two semesters, examines more tenses and other aspects of grammar, and provides practice in expanding capabilities in reading, writing, speaking and understanding Spanish. There is no laboratory requirement, but the student is required to meet with a native speaker, when available, for group conversation practice. There will be an emphasis placed on the value of culture.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Earn a minimum grade of C in the following:
- SPAN102 - Basic Spanish - Second Semester

or Successful completion of three recent years of high school Spanish, and Instructor Permission

Additional Comments:

SPAN202 - Intermediate Spanish

Overview
Department(s)
Foreign Language Dept

Course Description
This course focuses on reviewing the tenses and grammatical concepts of the previous courses. The student will have more opportunities to develop skills in reading, writing, speaking and understanding Spanish. There is no laboratory requirement, but the student is required to meet with a native speaker, when available, for group conversation practice. There will be an emphasis placed on the value of culture.

Semester Offering
Winter Semester Only

Credits
Credit Hours
Credit Hours
4

Requirements
Simple Requisites

Prerequisite
Type
Prerequisite

Earn a minimum grade of C in the following:
- SPAN201 - Intermediate Spanish

or Successful completion of four recent years of high school Spanish and Instructor Permission

Additional Comments:

SPAN299 - Intermediate Spanish Conversation Intermediate Spanish Conversation - Ind Interm Spanish Conversation

Overview
Department(s)
Spanish

Credits
Credit Hours
Credit Hours
4

ST100 - The Surgical Patient

Overview
Department(s)
Surgical Tech

Course Description
This course will introduce the student to the surgical patient. Students will analyze the protocol and procedures directly affecting the care and safety of the surgical patient within the healthcare setting. This course will introduce students to the ethical, legal, and moral responsibilities of the surgical technologist, the concepts of patient care, and preoperative routines, along with elements of proper documentation and risk management. Students will be able to understand the psychosocial needs of the patient concept that can affect patient care in the Operating Room. In this course, students will discuss the death and dying process of surgical patients. The course will discuss concepts about diagnostic and assessment patient procedures and energy sources utilized in the Operating Room. Students will be able to understand the concepts of moving, handling, and positioning of the surgical patient, as well as, surgical skin preparation and draping of the surgical patient. All skill techniques will be taught within this course and students will be required to perform skills in the ST-210 - Applied Surgical Techniques I and ST-211 - Applied Surgical Techniques II courses.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
2

Contact Hours
Contact Hours in excess of Credit Hours
0

Requirements
Simple Requisites

Corequisite
Type
Corequisite

Enroll in the following Courses:
- ST110 - Fundamentals of Surgical Tech
  AND ST210 - Surgical Specialty/Professional Prep

Additional Comments:

ST101 - Surgical Asepsis

Overview
Department(s)
Surgical Tech

Course Description
This course defines and describes pathogenic microorganisms, the causes, and how to prevent infections and the spread within the hospital setting. This course will explain the most common pathogens that are found in the OR and some of the uncommon pathogens you may see. The student will be introduced to sterilization, disinfection, and other methods that are used to control microbial growth within the hospital and operating room settings.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

**Prerequisite
Type**
Prerequisite

Earn a minimum grade of C+ in the following:
- ST100 - The Surgical Patient
  AND ST110 - Fundamentals of Surgical Tech
  AND ST210 - Surgical Specialty/Professional Prep

Additional Comments:

**Corequisite
Type**
Corequisite

Enroll in the following Courses:
- ST150 - Basic Operative Procedures
  AND ST211 - Applied Surgical Techniques II

Additional Comments:

ST102 - Sterile Processing I

Overview

Department(s)
Surgical Tech

Course Description
This course introduces individuals to basic skills needed in the Sterile Processing department of healthcare facilities. This course explains the principles and practices of decontamination, cleaning, disinfection, sterilization, and distribution of medical/surgical supplies. Students will demonstrate the knowledge of proper techniques in decontamination, assembly, sterilization, and storage practices per

---

standards set within the discipline. At the end of the course, students will sit for the Certified Registered Central Service Technician exam through the Healthcare Sterile Processing Association.

Semester Offering
Summer Session Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
5

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

**Prerequisite
Type**
Prerequisite

Earn a minimum grade of C+ in the following:
- ST101 - Surgical Asepsis
  AND ST150 - Basic Operative Procedures
  AND ST211 - Applied Surgical Techniques II

Additional Comments:

**Corequisite
Type**
Corequisite

Enroll in the following Courses:
- ST115 - Surgical Pharmacology
  AND ST151 - Advanced Surgical Procedures

Additional Comments:

ST103 - Sterile Processing Externship

Overview

Department(s)
Surgical Tech

Course Description
This course prepares students to function competently as an entry-level professional in the Central Service and Sterile Processing Department within healthcare. This course builds on the principles and practices taught in the ST-102 Sterile Processing I course and includes discussion of professional workplace skills, resume writing, and interviewing skills. The course provides students with on-the-job training and hands-on practice in a hospital setting in accordance with the Certified Registered Central Service Technician exam requirements established by

the Healthcare Sterile Processing Association. Students are required to successfully complete the required 400 clinical hours before the conclusion of the course.

Semester Offering
Summer Session Only

Credits

Credit Hours

Credit Hours
3

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Complete ALL of the following Courses:
- ST101 - Surgical Asepsis
  AND ST115 - Surgical Pharmacology
  AND ST150 - Basic Operative Procedures
  AND ST211 - Applied Surgical Techniques II

Additional Comments:

Corequisite Type
Corequisite

Enroll in the following Courses:
- ST102 - Sterile Processing I

Additional Comments:

ST110 - Fundamentals of Surgical Tech

Overview

Department(s)
Surgical Tech

Course Description
This course provides an introduction to the role and function of the surgical technologist as a member of the surgical team. This course will provide students with an understanding of what a surgical technologist is and how to be a professional within the field. Students will be able to analyze proper communication and teamwork within the healthcare setting. The course will introduce students to the healthcare facility structure and environment, environmental hazards, and disaster preparedness and response. Students will obtain knowledge to perform entry-level aseptic technique skills for the ability to work in an operating room setting including, but not limited to, sterile technique and surgical instrumentation. Students will be introduced to preoperative intraoperative and postoperative duties of the surgical technologist that are performed daily.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Corequisite Type
Corequisite

Enroll in the following Courses:
- ST100 - The Surgical Patient
  AND ST210 - Surgical Specialty/Professional Prep

Additional Comments:

ST115 - Surgical Pharmacology

Overview

Department(s)
Surgical Tech

Course Description
This course introduces the student to a wide variety of basic types of medications that are related to the care of the surgical patient. The student will have the understanding of basic types of anesthesia, anesthesia agents, indications and contraindications of medications, and the calculations of maximum dosages of various drugs. This course will discuss medication side effects, adverse effects, and usages within the operating room. This course will discuss emergency situations in the operating room and the roles of all OR team members.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Complete ALL of the following Courses:
- ST100 - The Surgical Patient
  AND ST110 - Fundamentals of Surgical Tech
  AND ST210 - Surgical Specialty/Professional Prep

Additional Comments:

Corequisite Type
Corequisite

Enroll in the following Courses:
- ST101 - Surgical Asepsis
  AND ST150 - Basic Operative Procedures
  AND ST211 - Applied Surgical Techniques II

Additional Comments:

ST150 - Basic Operative Procedures

Overview

Department(s)
Surgical Tech

Course Description
This course introduces the student to basic types of surgical procedures with a primary focus on the sequential steps involved in these procedures. Surgical anatomy, physiology, and pathophysiology will be addressed relative to basic surgical intervention throughout the course. Students will become familiar with instrumentation, anticipatory skills, surgical asepsis, and surgical conscience. The course will focus on the follow surgical specialties: minimally invasive surgery, robotics, general, 08/GYN, genitourinary, ophthalmic, ENT, and orthopedics.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Earn a minimum grade of C+ in the following:
- ST100 - The Surgical Patient
  AND ST110 - Fundamentals of Surgical Tech
  AND ST210 - Surgical Specialty/Professional Prep

Additional Comments:

Corequisite Type
Corequisite

Enroll in the following Courses:
- ST101 - Surgical Asepsis
  AND ST211 - Applied Surgical Techniques II

Additional Comments:

ST151 - Advanced Surgical Procedures

Overview

Department(s)
Surgical Tech

Course Description
This course introduces the student to intermediate and advanced surgical procedures including, but not limited to the following: oral and maxillofacial, plastic and reconstructive, vascular and microvascular, thoracic and pulmonary, cardiac, pediatric, neurosurgery, and emergency trauma. This course will primarily focus on the sequential steps involved in these procedures, specialized instrumentation and case-specific supplies that are needed for proper, optimal patient care. This course will address the surgical anatomy, physiology, and pathophysiology of specific surgical procedures.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
6

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>
> > **Complete ALL of the following Courses:**
> > - ST102 - Sterile Processing I
> >   **AND** ST103 - Sterile Processing Externship
>
> **Additional Comments:**

> **Corequisite**
> **Type**
> Corequisite
>
> > **Enroll in the following Courses:**
> > - ST212 - Applied Surgical Techniques III
>
> **Additional Comments:**

ST200 - Surgical Specialty/Professional Prep

Overview

Department(s)
Surgical Tech

Course Description
This course focuses on preparing students for lifelong learning. This course is designed to help prepare the student to produce a resume, cover letter, and interview skills to obtain an entry-level position in the healthcare setting as a surgical technologist. This course will also prepare students to sit for the National board of Surgical Technology and Surgical Assisting National Certification exam. Students will review program and clinical materials in the form, of certification questions in order to prepare for the certification exam. Students are required to sit for the National CST Exam before the completion of the program.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Prerequisite**

> **Type**
> Prerequisite
>
> > **Earn a minimum grade of C+ in the following:**
> > - ST212 - Applied Surgical Techniques III
>
> **Additional Comments:**

> **Corequisite**
> **Type**
> Corequisite
>
> > **Enroll in the following Courses:**
> > - ST213 - Advanced Surgical Techniques IV
>
> **Additional Comments:**

ST210 - Surgical Specialty/Professional Prep

Overview

Department(s)
Surgical Tech

Course Description
This course covers the application of aseptic technique theory. Student will be able to demonstrate their understanding on the sterile technique skills including, but not limited to: the use of surgical supplies and equipment, scrubbing, gowning and gloving, vital signs, opening up a sterile field, disinfection, and medical handwashing. Students will demonstrate knowledge of proper counting techniques, patient positioning, surgical skin prepping techniques, draping the sterile field. Students will be required to successfully complete a specified number of competencies to advance to ST-211 - Applied Surgical Techniques II.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

> **Corequisite**
> **Type**
> Corequisite
>
> > **Enroll in the following Courses:**

- ST100 - The Surgical Patient
  AND ST110 - Fundamentals of Surgical Tech

Additional Comments:

- ST101 - Surgical Asepsis
- ST150 - Basic Operative Procedures

Additional Comments:

ST211 - Applied Surgical Techniques II

Overview

Department(s)
Surgical Tech

Course Description
This course is a continuation of Applied Surgical Techniques I and prepares students for actual operating room experience through application of theory and clinical skills in mock surgical procedures. Basic surgical procedures will be presented, with some hands-on experience utilizing surgical simulators, along with additional competencies pertaining to circulating duties and intraoperative duties of the surgical technologist. Students will be required to successfully complete course competencies including but not limited to the following: drawing medications, passing instrumentation and suture, passing ties, applying dressings, and correction of contamination. Students must successfully complete all competencies before admission to the clinical aspect of the program.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Earn a minimum grade of C+ in the following:
- ST100 - The Surgical Patient
- ST110 - Fundamentals of Surgical Tech
- ST210 - Surgical Specialty/Professional Prep

Additional Comments:

Corequisite Type
Corequisite

Enroll in the following Courses:

ST212 - Applied Surgical Techniques III

Overview

Department(s)
Surgical Tech

Course Description
In this course, students are assigned to clinical site hospitals and are provided with the opportunities to apply theory and clinical skills in the functioning operating room. Students are required to complete basic and advanced surgical procedures in a variety of specialty areas. Students are required to complete the 256 total clinical hours before advancing to ST-213. During the curse, students will document all clinical cases in which they participated in the following functions: first scrub, second scrub, and observation. All clinical cases performed during the course will count towards the minimum total of 120 clinical cases required to be completed in compliance with AST Core Curriculum to qualify to sit for the NBSTSA CST exam.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Earn a minimum grade of C+ in the following:
- ST102 - Sterile Processing I
  AND ST115 - Surgical Pharmacology
  AND ST151 - Advanced Surgical Procedures

Additional Comments:

ST213 - Advanced Surgical Techniques IV

Overview

Department(s)
Surgical Tech

Course Description
This course is a continuation of ST-212 Applied Surgical Techniques III. In this course, students are assigned to clinical site hospitals and are provided with the opportunities to apply theory and clinical skills in the functioning operating room. Students are required to complete basic and advanced surgical procedures in a variety of specialty areas. Students are required to complete the 256 total clinical hours and a minimum of 120 total clinical cases by the conclusion of the course. During the course, students will document all clinical cases in which they participated in the following functions: first scrub, second scrub, and observation. All clinical cases performed during the course will continue to count towards the minimum total of 120 clinical cases required to be completed in compliance with AST Core Curriculum to qualify to sit for the NBSTSA CST exam.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
4

Contact Hours

Contact Hours in excess of Credit Hours
0

Requirements

Simple Requisites

**Prerequisite
Type**
Prerequisite

Earn a minimum grade of C+ in the following:
- ST212 - Applied Surgical Techniques III

Additional Comments:

**Corequisite
Type**
Corequisite

Enroll in the following Courses:
- ST200 - Surgical Specialty/Professional Prep

Additional Comments:

TECH200 - Applied Alternative & Renewable Energy

Overview

Department(s)
Tech Related

Course Description
This course introduces the student to the power generating technologies. It will cover the operating principles, benefits and challenges in traditional, alternative and renewable energy fields. An emphasis is made on fuel cells, wind power, photovoltaic's, energy storage, and distribute power generation. An overview of the associated topics in economics and politics will be provided.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

TECH201A - Introduction to Mechatronics

Overview

Department(s)
Tech Related

Course Description
This course is designed as the capstone course for the Mechatronics Certificate. Students will apply engineering skills to design, build, and troubleshoot electro-mechanical systems. Course work will emphasize hands-on skills through project based learning approaches. Students will design mechanical assemblies using CAD software, fabricate their designs using 3-D printers, machining and wood working equipment, as well as integrate controls systems and programming micro-controllers.

Semester Offering
Winter Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
2

TECH290CI - Cooperative Internship

Overview

Department(s)
Tech Related

Course Description
The student must have a GPA of 2.5 or better. The student should have completed a significant portion of the core career requirements in their major field of study with a total of 30 credit hours towards a degree. Additionally, a faculty recommendation from the student's major field of study is required. The Cooperative Internship Program is a paid or non-paid fieldwork experience in business and/or industry within the student's major area of study. Variable credit hours (1-4 Cr. Hrs. per semester) may be earned dependent upon the number of work hours available from the employing organization. A student may sign up for as much internship as desired, however, the number of credit hours which can be applied towards a degree/certificate depends on the student's course of study and departmental requirements. This course is offered as a pass/no pass grade. The internship course starting and ending dates are determined on an individual basis.

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

TECH290BE6 - Cooperative Internship Biomedical Engr

Overview

Department(s)
Tech Related

Is this course available online?
No

Credits

Credit Hours

Credit Hours
6

Contact Hours

Contact Hours in excess of Credit Hours
0

TECH290CI1 - Cooperative Internship

Overview

Department(s)
Tech Related

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

TECH290CI2 - Cooperative Internship

Overview

Department(s)
Tech Related

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
0

TECH290CI4 - Cooperative Internship

Overview

Department(s)
Tech Related

Is this course available online?
No

Credits

Credit Hours

Credit Hours

4

Contact Hours

Contact Hours in excess of Credit Hours

0

TECH290CI5 - Cooperative Internship

Overview

Department(s)

Tech Related

Is this course available online?

No

Credits

Credit Hours

Credit Hours

5

Contact Hours

Contact Hours in excess of Credit Hours

0

TH101 - Theater Appreciation

Overview

Department(s)

Theater

Course Description

Designed for non-majors, this class attempts to prepare students for success as theatergoers. We will study the requirements of being an involved spectator at live theater and be introduced to the many elements of production. This is an experience-oriented course and requires attendance at play performances outside of class.

Semester Offering

Fall, Winter and Summer

Is this course available online?

Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

TH101HON - Theater Appreciation-Honors

Overview

Department(s)

Theater

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

0

TH102 - Introduction to Acting I

Overview

Department(s)

Theater

Course Description

An introduction to the art and craft of acting for the stage. Focuses on character analysis and performance. Physical, vocal, and mental exercises are utilized to develop the individual's self-awareness and communicative skills.

Semester Offering

Fall Semester Only

Credits

Credit Hours

Credit Hours

3

TH108 - Theater for Children

Overview

Department(s)

Theater

Course Description

A course exploring the specialized techniques of play production for or with children, creative dramatics, and theater games. The class is designed for persons working with children such as elementary schoolteachers, special education

Semester Offering leaders, and religious education staff. The use of theatrical Fall, Winter and Summer al tools to enhance the learning experience in other subjects is explored.

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

TH108HON - Theater for Children-HONORS

Overview

Department(s)
Theater

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

TH121 - Introduction to Technical Theater

Overview

Department(s)
Theater

Course Description
This course presents an overview of the elements, processes, and traditions of theatrical design. The students will be introduced to the use of computer aided design and other tools in the design process used in most theatres today. The students will become familiar with tools used in the design process, begin developing their own personal design aesthetic, and develop an understanding of the evolution of theatre design.

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

TH122 - Theater Set and Lighting Design

Overview

Department(s)
Theater

Course Description
In this course students will learn color theory, set and lighting design principles, and script analysis. Additionally they will learn basic computer aided design skills to be able to create scenic and lighting designs for theatrical productions.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

TH141 - Applied Theater-Acting

Overview

Department(s)
Theater

Course Description
Practicum class earning credit for acting in a Center for Theater production. Scheduling is flexible but will include weekend performances and probably evening rehearsals.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

TH142 - Applied Theater-Dance

Overview

Department(s)
Theater

Course Description
Practicum class for performing in a Center for Theater production. Scheduling is flexible but will include weekend performances and probably evening rehearsals.

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
2

TH144 - Applied Theater-Costuming

Overview

Department(s)
Theater

Course Description
Practicum class earning credit for crew work on a Center for Theater play production. Scheduling is flexible but requires forty hours of lab work during available times

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

TH145 - Applied Theater-Scenery Construction

Overview

Department(s)
Theater

Course Description
Practicum class earning credit for crew work on a Center for Theater play production. Scheduling is flexible but requires forty hours of lab work during available hours.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
1

TH147 - Applied Theater-Production Crew

Overview

Department(s)
Theater

Course Description
Practicum class earning credit for crew work on Center for Theater productions. Scheduling is flexible but requires forty hours of lab time in a four-week period. Work assignments are made in terms of student interest and production needs. Includes scenery construction, painting, properties, costume, lighting, and/or sound crews.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours

1

TH148 - Applied Theater-Performance

Overview

Department(s)

Theater

Course Description

Practicum class earning credit for crew work on Center for Theater productions. Requires attendance at weekend and evening rehearsals and performances for a two-week period. Work assignments will be made in terms of student interest and production needs. Includes scenery shifting, properties, costume running, and lighting, and/or sound crews.

Semester Offering

Fall and Winter

Is this course available online?

No

Credits

Credit Hours

Credit Hours

1

Contact Hours

Contact Hours in excess of Credit Hours

1

TH160 - Acting for TV and Film

Overview

Department(s)

Theater

Course Description

This course is designed to prepare the student with the basic skills necessary for TV and/or film acting. Among the topics covered are: acting for the camera, the use of and differences between the television and film camera, the use of the storyboard, shooting out of sequence, developing continuity, and the use of lighting, sound, special effects and editing. Rehearsal outside of class time and shooting on location may be required. The final class project will culminate in each student acting in a prepared film scene. Before enrolling in this course, you must demonstrate that you are ready to succeed.

Semester Offering

Fall Semester Only

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

TH201 - Introduction to Theater History

Overview

Department(s)

Theater

Course Description

An introductory course designed to give the student an awareness of the development of theater from classical Greece through Contemporary American Theater.

Semester Offering

Fall and Winter

Credits

Credit Hours

Credit Hours

3

TH202 - Introduction to Acting II

Overview

Department(s)

Theater

Course Description

An acting class emphasizing the analysis of scripted scenes and character interactions. Selected scenes are rehearsed for possible performance at the end of the semester.

Semester Offering

Winter Semester Only

Is this course available online?

No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

TH202HON - Theater 101 Honors

Overview
Department(s)
Theater

Is this course available online?
No

Credits
Credit Hours
Credit Hours
1

Contact Hours
Contact Hours in excess of Credit Hours
0

TH203 - Reader's Theater

Overview
Department(s)
Theater

Course Description
This performance course is designed to give the student knowledge of and experience in oral reading as a theatrical form. Out-of-class rehearsal and performance time may be required.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
0

TH204 - Improvisation for Actors

Overview
Department(s)
Theater

Course Description
This course uses the art of improvisation as a tool for enhancing creativity, responsiveness, and immediacy for the actor; offering a way to explore the student's innate ability to be playful and creative. This class studies the fundamentals of improvisation, focusing on exercises and games that build

confidence and improve listening, intuitive, and collaborative skills. In this course the student learns the basic rules, games, and forms of improvisation and their relation to scripted and non-scripted rehearsal and performance work.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
0

TH212 - Summer Theater Workshop

Overview
Department(s)
Theater

Course Description
A practicum course allowing advanced students to undertake special projects in conjunction with a summer theater company. Projects are usually creative in nature and are undertaken with the advice and supervision of an approved mentor. Although focusing on the specialized crafts of acting, directing, design, technical production, or arts management, project implementation will emphasize the cooperative nature of theater.

Is this course available online?
No

Credits
Credit Hours
Credit Hours
3

Contact Hours
Contact Hours in excess of Credit Hours
0

TH217 - Creative Dramatics

Overview
Department(s)
Theater

Course Description
This course is an introduction to the use of creative dramatics in the classroom, home, and community. The goals and concerns of creative drama will be explored as well as methods for incorporating these techniques into a curriculum. Focus will

be centered on the activities that are the basis of every creative dramatics program. A particular interest will be centered on the novice who needs practical advice on how to begin teaching creative thinking and problem solving.

Is this course available online?
No

Credits

Credit Hours

Credit Hours
1

Contact Hours

Contact Hours in excess of Credit Hours
0

TH260 - Student Production Practicum

Overview

Department(s)
Theater

Course Description
An experiential course giving credit for creative involvement in the planning, rehearsal, and performance of a play.

Is this course available online?
No

Credits

Credit Hours

Credit Hours
2

Contact Hours

Contact Hours in excess of Credit Hours
0

TH297AA - Introduction to Technical Theater

Overview

Department(s)
Theater

Course Description
An introduction to the collaborative nature of the theatrical process, with particular emphasis on the work of the designers and production professionals integrating with the performers and directors. The use of design, technology, materials, people, space, time, and money in a theatre production. Students will have hands-on participation in production activities at the Overbrook Theater.

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

TMAT101A - Technical Math I

Overview

Department(s)
Tech Related

Course Description
This course is for technical students who require a review of the principles of arithmetic as applied to manufacturing and business problems. Also included will be the use of the scientific calculator and basic algebra.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
0

TMAT102A - Technical Math II

Overview

Department(s)
Tech Related

Course Description
A course presenting the fundamentals of algebra and geometry as applied to the technical and industrial field. Basic statistics will also be covered.

Semester Offering
Fall and Winter

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

> **Prerequisite**
> **Type**
> Prerequisite
>
> > **Earn a minimum grade of C in the following:**
> > - TMAT101A - Technical Math I
> >
> > or Assignment based on Math Placement Test
>
> **Additional Comments:**

TMAT201 - Technical Math III

Overview

Department(s)
Tech Related

Course Description
A thorough study of basic trigonometry with applications to technical and industrial problems.

Semester Offering
Winter Semester Only

Is this course available online?
Yes

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

0

Requirements

Simple Requisites

> **Untitled Requirement**
> **Type**

> **Prerequisite**
>
> with a minimum grade of "C"
>
> **Complete ALL of the following Courses:**
> - TMAT102A - Technical Math II
>
> **Additional Comments:**

W101A - Basic Welding

Overview

Department(s)
Welding

Course Description
Basic Welding is designed for the learner who has no welding experience or limited welding experience. Subject material will focus on the theory of welding processes common to local industries. The welding and cutting processes covered will be: Oxyacetylene Welding (OAW), Oxyacetylene Cutting (OAC), Plasma Arc Cutting (PAC), heating and bending with the torch, Shielded Metal Arc Welding (SMAW), and Gas Metal Arc Welding (GMAW). Students will learn to set-up and operate welding equipment according to approved standards. Theory of each welding process will be covered in the classroom followed by practical experience in the lab. Lab projects will provide experiences in the fabrication of typical weld joints, and are based on relevant sections of the American Welding Society (AWS) SENSE Level 1 standard.

Semester Offering
Fall, Winter and Summer

Is this course available online?
No

Credits

Credit Hours

Credit Hours

3

Contact Hours

Contact Hours in excess of Credit Hours

2

W102A - Gas Metal Arc Welding (MIG)

Overview

Department(s)
Welding

Course Description
The GMAW (MIG) course is an in-depth study of the common methods of welding used in industry. Extensive technique practice for skill mastery on carbon steel and aluminum will be covered. Flux Cored Arc Welding (FCAW) and Metal Cored Electrodes will also be covered. Students will be expected to pass the written knowledge assessments from the American Welding Society (AWS) SENSE Level 1 program as well as perform the skill practices.

Semester Offering
Fall and Winter

Muskegon Community College

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

> **Earn a minimum grade of C in the following:**
> - W101A - Basic Welding

Additional Comments:

W103A - Gas Tungsten Arc Welding (TIG)

Overview

Department(s)
Welding

Course Description
The GTAW (Tig) course is an in-depth study of the common methods of welding used in industry. Extensive practice on metals including: mild steel, stainless steel, and aluminum in all welding positions will be covered. Students will be expected to pass the written knowledge assessments from the American Welding Society (AWS) SENSE Level 1 program as well as perform the skill practices.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

> **Complete ALL of the following Courses:**
> - W101A - Basic Welding

Additional Comments:

W105 - Shielded Metal Arc Welding

Overview

Department(s)
Welding

Course Description
The SMAW (Stick) course is an in-depth study of the welding process theory, skills and techniques that are common to the welding industry. Extensive technique practice for skill in all positions on both fillet and groove welding joints on carbon steel will be covered. Performance based testing for welder qualification for students in the welding major will be required. Students will also be expected to pass the written knowledge assessments from the American Welding Society (AWS) SENSE Level 1 program.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

> **Complete ALL of the following Courses:**
> - W101A - Basic Welding

Additional Comments:

W201 - Structural Welding

Overview

Department(s)
Welding

Course Description
A course designed for advanced welders who want to improve their skills in stick welding or who are preparing to certify to AWS D1.1 code standard. This code is used for welding on bridges, buildings, steel structures, road machinery, farm equipment and other structures. Materials presented will be the AWS code book, safety precautions, joint preparation, electrode selection, setting up equipment and welding procedures. Lab work will include out-of-position welding using the fast fill/ fast freeze (E6010) and fast fill/ slow freeze (E7018) category electrodes. Weld testing-- both visually and mechanically will be an integral part of the coursework.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Complete ALL of the following Courses:
- W105 - Shielded Metal Arc Welding

Additional Comments:

W202A - Pipe Welding

Overview

Department(s)
Welding

Course Description
This course is designed for the advanced welders who want to improve their pipe welding skills or are preparing for pipe welding certification to the AWS D1.1 welding code standard. Lab projects for this course are designed to align with relevant sections of AWS SENSE Levels I. Topics covered will include: safety practices, tack welds, positioning and pipe welding using methods most frequently covered will include: safety practices, tack welds, positioning and pipe welding using methods most frequently found in industrial processes, and fieldwork. All common welding positions will be covered. Students are required to perform root

pass, filler pass, and cover pass on each specimen. Welding processes which will be covered are Shielded Metal Arc Welding (SMAW) and Gas Tungsten Arc Welding (GTAW). Destructive and visual testing will be part of the coursework.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours
3

Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Complete ALL of the following Courses:
- W201 - Structural Welding

Additional Comments:

W206 - Metal Fabrication

Overview

Department(s)
Welding

Course Description
This course deals with the theory, skills and application of metal fabrication principles. Students will apply their welding skills to build a capstone project. Students will be required to select and design an approved project. Building a bill of materials, ordering the materials, assembly, following tolerances, layout, fit-up and heat distortion control will all be factors in this course. Use of the various fabrication equipment in the welding lab. The capstone project will be approved on the basis of need and application. Examples to include a community project or repair project.

Semester Offering
Winter Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours

3

Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Complete ALL of the following Courses: • W102A - Gas Metal Arc Welding (MIG) **AND** W103A - Gas Tungsten Arc Welding (TIG) **AND** W105 - Shielded Metal Arc Welding
Additional Comments:

WGS101 - Intro to Women's & Gender Studies

Overview

Department(s)
Sociology

Course Description
WGS students study women's diverse experiences, perspectives and contributions as well as gender identity and gender representation as central categories of analysis. Interdisciplinary in range of course content, WGS-101 examines cultural beliefs and stereotyped images of women and gender, and covers the following: gender-role socialization, sexuality, the history of the women's liberation movements, different perspectives in feminism, and representations of women and their efforts to define new identities through work, creative activity, education and feminism. Through films, readings, and focused studies of the consequences of gender experience in life and learning, WGS-101 explores research about gender in personal development and relationships, race/ethnicity, class, and sexuality. Course goals: raise awareness, make connections, read write and think critically, and apply course knowledge and issues to personal experiences.

Semester Offering
Fall and Winter

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours

0

WGS201 - LGBTQ Studies

Overview

Department(s)
Sociology

Course Description
An inquiry into a wide range of issues related to the lesbian, gay, bisexual, transgender, and queer community. The course will include an overview of the history, politics, literature, and morality of sexual orientation and gender identity and of the LGBTQ civil rights movement and important members of the LGBTQ community. Gender identity will be explored from several viewpoints and sub-cultural perspectives as will cultural and media expressions and reactions. Finally, intersectionalities with race, social class, gender, and sex will be critically examined.

Semester Offering
Fall Semester Only

Is this course available online?
No

Credits

Credit Hours

Credit Hours
3

Contact Hours

Contact Hours in excess of Credit Hours

0

WGS201HON - Lgbtq Studies Honors

Overview

Department(s)
Sociology

Credits

Credit Hours

Credit Hours
1