Student Name_____Instructor Name_____

High School or Vocational Center_____Grade_____

COMPETENCY RECORD FOR ARTICULATION
Muskegon Community College
Introduction to Food Science and Process

Please check below each skill the student has mastered as described, with 80 percent accuracy, or with an A or B grade. The skills needed for articulation of each course are listed.

TMAT-201
Technical Math III
3 Credit Hours

Task	Satisfactory	Unsatisfactory
Apply the basic definitions and relationships for angles, lines, and geometric figures to solve application problems.		
Find the area and perimeter of quadrilaterals and triangles.		
Use the Pythagorean theorem to find the side of a right triangle when two sides are known.		
Use the relationships of similar polygons to solve application problems. Find the area and circumference of circles.		
Use the relationships of chords, secants, and tangent lines of a circle, arcs of a circle, and inscribed and central angles to solve application problems.		
Use radian measure to solve application problems.		
Find the volume, the lateral surface area, and the total surface area of prisms, cylinders, pyramids, cones, and spheres.		
Write the trigonometric ratios for the sine, cosine, and tangent of an angle using the basic terms of a right triangle.		
Find the value of a trigonometric ratio using a scientific calculator.		
Use a trigonometric ratio to find angles.		
Solve a right triangle.		
Solve application problems involving trigonometric ratios and right triangles.		
Draw sine and cosine graphs by plotting points.		
Solve oblique triangles using the law of sines.		
Solve oblique triangles that have two possible solutions using the law of sines.		
Solve oblique triangles using the law of cosines.		
Solve application problems involving oblique triangles and the law of sines and the law of cosines.		

Instructor's Signature_____Date_____