

Student Name \_\_\_\_\_ Instructor Name \_\_\_\_\_

High School or Vocational Center \_\_\_\_\_ Grade \_\_\_\_\_

**COMPETENCY CHECKLIST FOR ADVANCED TECHNICAL PLACEMENT**  
**Industrial Manufacturing Department – Drafting Technology**

**CAD 135A**  
**Engineering Graphics**  
**3 Credit Hours**

The essentials of Engineering Graphics include working assembly drawings and the essentials of descriptive geometry. Included in this is the utilization of section and auxiliary views to create better illustrations of parts and assemblies. Emphasis will be on manufacturing processes for development of mechanical components including threads, gears and cams.

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.

<b>Task</b>	<b>Satisfactory</b>	<b>Unsatisfactory</b>
Given the proper mechanical drawing standards, the student will construct and use one of two lettering styles		
Given the proper instruction, the student will use all the drafting tools		
Given proper instruction, the student will draw different thread representations		
Given proper instruction, the student will draw several views of one object describing the shape		
Given proper instruction, the student will use different methods to create views of objects		
Given proper instruction, the student will properly dimension a drawing		
Given proper instruction, the student will create sectional views of an object		
Given proper instruction, the student will create auxiliary views of an object		
Given proper instruction, the student will simulate industrial drafting standards Y14.5M as closely as possible		
Given proper instruction, the student will learn the basic shop practices used in fabrication of products		

Instructor's Signature \_\_\_\_\_ Date \_\_\_\_\_