Student Name_____Instructor Name_____

High School or Vocational Center_____Grade_____

COMPETENCY CHECKLIST FOR ADVANCED TECHNICAL PLACEMENT
Applied Technology Department

CAD 210
Parametric Design I – Part Modeling
3 Credit Hours

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.

Task	Satisfactory	Unsatisfactory
Be able to create solid models using Autodesk Inventor and ASME standards utilizing the following commands: extrude, revolve, hole feature, fillet, chamfer, draft, shell, rectangular/circular patterns, sweep, coil, loft, mirror, emboss, rib		
Given the proper instruction, the student will be able to create a stable fully parametric model		
Given proper instruction, the student will be able to create fully constrained and defined sketches.		
Given proper instruction, the student will be able to edit sketches without making the sketches unstable.		
Given proper instruction, the student will be able to create work planes & work axes.		
Given proper instruction, the student will be able to create drawings using ISO and ANSI/ASME Standards		
Given proper instruction, the student will be able to properly dimension a drawing		
Given proper instruction, the student will be able to create sectional views of an object		
Given proper instruction, the student will be able to create auxiliary views of an object		
Given proper instruction, the student will be able to create a project file for use with an assembly		
Given proper instruction, the student will be able to create a fully functional assembly		
Given proper instruction, the student will learn the basic shop practices used in fabrication of products and apply them to 3D Assembly Models		

Instructor's Signature____Date________________