
Course Learning Outcomes

To complete these requirements, students will:

1. Explain design intent
2. Design a basic parametric modeling procedure
3. Compose a model history tree
4. Customize modeling environment
5. Check fits and allowances
6. Construct solid model geometry
7. Create a detailed drawing
8. Construct an assembly model
9. Reorganize model tree geometry
10. Apply placed features
11. Add parametric constraints
12. Amend unresolved model geometry
13. Construct datums and work planes
14. Differentiate Inventor file types

Assessments:

Mastery of **80% or higher of 100% of the course outcomes listed above** will meet the college credit requirement.

Text for reference:

Check with the college bookstore for the current textbook

Recommended Industry-Recognized Certifications or Comprehensive Assessments – High School & College

Certifications/ Assessments	Vendors	Other Information
Inventor Certified User	AutoDesk	www.autodesk.com
Inventor Certified Professional	AutoDesk	www.autodesk.com