

Course Learning Outcomes

To complete these requirements, students will:

1. Utilize user interface
2. Create document templates
3. Create fully defined sketches
4. Create extruded features
5. Create revolved features
6. Use Hole Wizard
7. Apply engineering features (chamfers, rounds, shells, etc.)
8. Create assemblies
9. Create detail drawings
10. Create assembly drawings with a bill of materials
11. Utilize datum features
12. Create sweep features
13. Create loft features
14. Employ bottom-up and top-down assembly methodology
15. Use sheet metal features
16. Create design tables
17. Capture the design intent of a project

Assessments

Mastery of **80% or higher of 100% of 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 Certification or Comprehensive Assessments – High School & College

Certification/ Assessment	Vendor	Other Information
CAD II	You Science	www.youscience.com
CAD III	You Science	www.youscience.com
CSW: Certified SOLIDWORKS Associate	SolidWorks	www.solidworks.com