



*Course Description:*

**CADD-134 - Advanced Autodesk Inventor Units: 3**

This advanced Autodesk Inventor course extends what was learned in the Using Autodesk Inventor course by addressing topics that include advanced model creation techniques, sheet metal design, top-down assemblies, using design elements, and creating and using presentations.

Lecture Hours: 2      Lab Hours: 3      Repeatable: No      Grading: O

CAN: None

Advisory Level:      Read: 3      Write: 3      Math: None

Transfer Status: CSU      Degree Applicable: AA/AS

CSU GE: None      District GE: None      IGETC: None

*Learning Outcomes:*

- A. Create an assembly using the top-down approach.
- B. Operate within Inventor's sheet metal environment when designing sheet metal parts.
- C. Analyze a single part design to determine the appropriate design elements required.
- D. Perform typical parametric modeling functions related to advanced part model creation.
- E. Apply appropriate drive constraints as necessary in an assembly.
- F. Practice a variety of file management functions used within the Inventor software.
- G. Prepare an assembly animation presentation.