

# MANF132L : Solid Modeling

This class will be using the solid modeling software, SOLIDWORKS. The class will focus on being certifiable for the SOLIDWORKS CSWA (Certified SOLIDWORKS Associate) test. The SOLIDWORKS Certification could make you a more proficient modeler or help you get a job in, for example, drafting/design, tool making, or CNC programming. The class will focus on building solid models (parts and assembly models) utilizing extruded, revolved, lofts and swept additive and subtractive features along with fillets chamfers, patterns and mirror features. Materials will be added to these models and Mass Properties will be explored. Models and drawings will be used using both ANSI and ISO standards. The course will be slightly fast paced to squeeze in all that is required for the certification. The class will be instructor lead along with working on your own.

**Credits** 3

**Lab Hours** 3

**Class Hours** 2

**Prerequisite Courses**

[MANF131L: Blueprint Reading](#)