

ADVANCED MANUFACTURING/ENGINEERING CAPSTONE

Requirement area: **CTE or Elective**

Course code: VAM300

Grade Level: 10, 11, 12

Prerequisite: Manufacturing Technology 2/Core Plus or Engineering Design 1

Length: Yearlong (1.0 credit), repeatable

Homework: None

Designator: DC

Description: Advanced Manufacturing/Engineering Capstone is an advanced course that combines the skills acquired from taking either the Core Plus or the Engineering Design pathway. This course is intended for the student that wants to be prepared for an entry level job in industry directly after high school or is planning on continuing their education in the manufacturing/engineering field. Students will combine design and manufacturing concepts to develop and produce a series of increasingly difficult products. They will have the opportunity to use CAD design software, 3D printers and manual/CNC machines.