

Manufacturing Technology

This two-year program introduces students to the exciting Manufacturing industry. Students learn safe practices while working with milling machines, lathes, grinders, CNC Machines, welders, and more. As students complete their projects, they build academic, problem solving and career skills. The Manufacturing Technology program provides students with the skills needed for entry level manufacturing positions as well as enrollment in post-secondary education for more advanced careers.

High School Credit (s): *3 credits earned in Manufacturing Technology 1 (0.5 Technology, 2.5 Elective)
3 credits earned in Manufacturing Technology 2 (1 Math, 1 Science & 1 Elective)*

Certification(s): *OSHA-10 General Industry; NIMS Machining Level 1 (Measurement, Materials, and Safety); NIMS Machining Level 1 (Job Planning, Benchwork, and Layout); Certified SOLIDWORKS Associate*

Grades: *10th – 12th Numerically Graded Year Long (each program)*

Students should have at least a 9th grade reading level, above a 70% in Algebra, above a 70% in Geometry & instructor approval

Introductory Class to the Manufacturing Technology Program

3DCAD/ 3D Printing and Robotics (Course #3353): The goal of this one-semester course is to further student interest in the manufacturing field. This is important because today's students will be tomorrow's problem solvers. Students learn using state-of-the-art 3DCAD software as well as 3D printers and laser engravers.

High School Credit(s): *0.5 credits earned towards elective credit.*

Grades: *9th – 11th Numerically Graded One Semester Long*