

● Manufacturing ● Sample Plan of Study*

Professionals who produce goods using manual labor, machines, technology or other tools.

<p>Freshman Year</p> <ul style="list-style-type: none"> (1.0) English 9 (1.0) Math (based on 8th grade math course) (1.0) Earth Science/Freshman Gen. Science (1.0) Intro to Social Studies/Current Social Issues (Not a required course.) (1.0) PE Concepts (1.0) Fine Arts (0.5) Business/Computer Elective (0.5) Introduction to Industrial Technology (1.0) Electives 	<p>Sophomore Year</p> <ul style="list-style-type: none"> (1.0) English 10 (1.0) Math (1.0) Biology (1.0) World History (1.0) Drafting/CAD (1.0) Machine Tool Tech (2.0) Electives
<p>Junior Year</p> <ul style="list-style-type: none"> (1.0) English 11 (1.0) Math (1.0) Physical Science (1.0) U.S. History (1.0) Welding I (1.0) Computer-Aided Machining (CAM) (2.0) Electives 	<p>Senior Year</p> <ul style="list-style-type: none"> (1.0) English 12 (0.5) American Government (0.5) Speech (1.0) Advanced Drafting/CAD (1.0) CNC Mills (1.0) Welding II (3.0) Electives

Pathway Courses Pathway completion requires students to complete two or more credits in a pathway, including technical or application courses. Information on this pathway can be found here: usd266/mca/programs

Introductory Level	Technical Level	Application Level
<ul style="list-style-type: none"> · Introduction to Industrial Technology 	<ul style="list-style-type: none"> · Drafting/CAD · Computer Aided Machining (CAM) · Welding · Machine Tool Technology 	<ul style="list-style-type: none"> · Advanced Drafting/CAD · CNC Mills

Other Recommended Courses
Geometry

Graduation Requirements

English – 4 units	Math – 3 units
Science – 3 units	Social Studies – 3 units
PE/Health – 1 unit	Fine Arts – 1 unit
Computer/Business – 1 unit	Speech – 0.5 unit
Electives – 11.5 units	



*This sample plan of study offers an example of what a student’s individual plan of study in this pathway might look like. Please note that some courses may not be offered on an annual basis and participation in classes may be subject to space availability.