

Advanced Manufacturing

Mr. Robert Plagge

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Career Focus:

- Prepared for immediate employment, advanced certificates, and further education.

About the program:

- Engage a creative mindset to explore advanced technologies used in design, rapid prototyping, 3D printing, and manufacturing.
- Use professional equipment and software to invent and engineer precision parts, tools, and products used worldwide.
- Work independently and in teams to build, assemble, and repair various metal products.

Certification Opportunities:

- OSHA Certification
- Measurement Certification
- Autodesk (Inventor CAD System)

Courses:

Course name	HCC Credit	WCSD Credit	WCSD Course Number
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Basic Design and Modeling	NA	1	IND346
Machine Trade Printreading	3	1	IND314
Machine Operations	4	2	IND377
Basic Machine Theory	NA	1	IND320
Intro. to CNC Programming	2	.5	IND342
Applied Math	NA	1	MAT307
Construction Safety	NA	.25	IND361
Registered Apprenticeship	6	3	IND531

Potential Course Sequence:

Sophomore	<ul style="list-style-type: none"> • Basic Design and Modeling • Machine Operations
Junior	<ul style="list-style-type: none"> • Basic Machine Theory
Senior	<ul style="list-style-type: none"> • Registered Apprenticeships

