

Production Pathway Manufacturing Career Cluster



This Program of Study plan should serve as a <u>guide</u> in the development of secondary and post-secondary course planning for students. Courses listed within this plan are only recommended and are indicative of the courses needed to complete a Program of Study. The following items need to be considered:

- Courses in the <u>arts</u> and <u>humanities</u> are valued by post-secondary institutions for their cognitive benefits and in communicating and expressing the ideas and emotions of the human spirit.
- Post-secondary institutions have varying course requirements for admission including World Languages.

	Grade	English	Math	Science	Social Studies	Other Required Courses	Pathway Electives Recommended	Credit Review	
High School	Required Credits	4.0	3.0	3.0	3.0	2.0	Recommended Sequence for Pathway (may adjust yearly as needed) [Minimum- 8.5 elective credits needed for graduation]	Grade	Graduation Credit Requirements
	Grade 9	• English 9 (1.0) -OR- • Enriched English 9 (1.0)	Algebra I (1.0)	• Earth Science (0.5)	• US History (0.5)	Level I Physical Education (0.5) Health 9 (0.5)	Metals/Welding I (1.0) -OR- Woodworking I (1.0)	9-129-12	4.0 Required 2.0 Elective 6.0Total
	Grade 10	• English 10 (1.0) -OR- • Enriched English 10 (1.0)	• Geometry (1.0) -OR- • Enriched Geometry (1.0)	• Biology (1.0)	World Studies (1.0) -OR- AP European Studies (1.0)	Level II Physical Education (0.5)	Welding II (1.0) -OR- Woodworking II (TC) (1.0)	• 10-12 • 10-12	4.5 Required 1.5 Elective 6.0Total
	Grade 11	• English 11 (1.0) -OR- • AP Language & Composition (1.0)	Algebra II/ Trigonometry (1.0) -OR- Enriched Algebra II/Trigonometry (1.0)	• Physics (1.0)	Government (0.5) -OR- AP United States Government and Politics (0.5)	Level III Physical Education (0.5)	Introduction to Engineering Design (1.0)	9-1210-12	4.0 Required 2.0 Elective 6.0Total
	Grade 12	English 12 (1.0)	See post- secondary education institution for math requirements.	See post-secondary education institution for science requirements.	AP Psychology (1.0) -OR- Psychology (0.5) -OR- Sociology/Social Issues (0.5) AP Economics (0.5) -OR- Economics (0.5)		Preparation for College & Business Communications (1.0)	• 11-12	2.5 Required 3.0 Elective 5.5Total
	AP Advance AS Advance TC Transce YO Youth C (0.5) Course (0.75) Course	de Key (see course catalog eed Placement eed Standing ripted Credit Options is worth 0.5 credit e is worth 0.5 credit (non-TC) of is worth 1.0 credit	, !	28 Credits Possible Credits Required Grades 9-1215.0 Minimum Electives					
	Fau Claire Area School District Modified: Spring 201							d: Spring 2017	



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Advisement provided through Student Services office and post-secondary transfer credits determined by college admissions counselors.

Postsecondary credit transfer information also available at http://www.uwsa.edu/tis

Please visit the web site of institutions listed below for any program updates.

	Baccalaureate	e Degree	Associate Degree	Programs	Certificate/License	
Post-Secondary Options	University of Wisconsin - Stout Manufacturing Engineering Packaging Plastics Engineering Engineering Technology University of Wisconsin - Platteville Industrial Engineering Industrial Technology Management Manufacturing Technology Management Adult Apprent On-the-Job Traini	University of Wisconsin - Madison Industrial Engineering University of Minnesota – Twin Cities Manufacturing Technology	Chippewa Valley Technical College Air Conditioning, Heating, & Refrigeration Environmental Refrigeration, Air Condition Technician Industrial Mechanic Machine Tooling Technics Welding Madison Area Technical College CNC Specialist Certificate HVAC Certificate Industrial Maintenance Technician Industrial Maintenance Technician Certificate Machine Tool Operations Certificate Machine Tooling Technics Welding	oning, & Heating Service		
Post			Assembler Automated Manufacturing Technician Calibration Technician Electrical Installer and Repairer Electromechanical Equipment Assembler Extruding and Drawing Machine Setter/Set-Up Operator Foundry Worker	 Grinding, Lapping, and Buffing Machine Operator Hand Packer and Packager Hoist and Winch Operator Instrument Maker Large Printing Press Machine Setter and Set-Up Operator Machine Operator Medical Appliance Maker 	 Micro and Nano Fabrication Technicians Milling Machine Setter and Set- Up Operator Millwright Pattern and Model Maker Precision Layout Worker Sheet Metal Worker Solderer and Brazier Tool and Die Maker 	