



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	Cre	dit Review
0	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 1 Physical Education (0.5) Health 9 (0.5) 	• Metals/Welding I (1.0) -OR- • Woodworking I (1.0)	• 9-12 • 9-12	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 <u>1.5</u> Elective 6.0Total
High School	Grade 11	English 11 (1.0) -OR- AP Language & Composition (1.0)	Algebra II/ Trigonometry (1.0) -OR- Enriched Algebra II/Trigonometry (1.0)	• Chemistry (1.0) -OR- • 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) Computer Integrated Manufacturing (1.0) 	• 9-12 • 10-12	4.0 Required <u>2.0</u> Elective 6.0Total
	Grade 12	 English 12 (1.0) -OR- AP Literature & Composition (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 <u>3.0</u> Elective 5.5Total
	Course Code Key (see course catalog for further details) AP Advanced Placement AS Advanced Standing TC Transcripted Credit YO Youth Options (0.5) Course is worth 0.5 credit (0.75) Course is worth 0.5 credit (non-TC) or 0.75 credit (TC) (1.0) Course is worth 1.0 credit			28 Credits PossibleOther RelateCreditsSTEM Youth AppreRequired Grades 9-1215.0Minimum Electives8.5Credits for Graduation23.5		Computer Integrated (0.5) Manufacturing (1.0) World Languages			Office Suite (TC)





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	Plea	se visit the web s	ite of institutions listed below for any program upo	dates.			
	Baccalaureate Degree		Associate Degree Programs	Certificate/License			
Post-Secondary Options	Manufacturing Engineering Packaging Plastics Engineering Engineering Technology <u>Universe</u> <u>Twin C</u>	strial Engineering sity of Minnesota –	 <u>Chippewa Valley Technical College</u> Air Conditioning, Heating, & Refrigeration Technology Environmental Refrigeration, Air Conditioning, & Heating Service Technician Industrial Mechanic Machine Tooling Technics Welding <u>Madison Area Technical College</u> CNC Specialist Certificate HVAC Certificate Industrial Maintenance Technician Certificate Machine Tool Operations Certificate Machine Tooling Technics Welding 	e			
ost-	Adult Apprenticeship, On-the-Job Training or Other		Employment Options				
ď			 Design Engineer Electrical and Electronic Technician and Technologist Electronics Engineer Engineering and Related Technician and Technologist Industrial Engineer Labor Relations M Manufacturing En Manufacturing Technologist Power Generating Plant Operator Precision Inspector Grader 	agineer Technician hchnician Production Manager g and Reactor Purchasing Agent Supervisor			