



Network Systems Pathway

Information Technology Career Cluster



This Program of Study plan should serve as a guide 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 arts and humanities 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.

High School

Grade	English	Math	Science	Social Studies	Other Required Courses	Pathway Electives Recommended	Credit Review
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	<ul style="list-style-type: none"> English 9 (1.0) -OR- Enriched English 9 (1.0) 	<ul style="list-style-type: none"> Algebra I (1.0) 	<ul style="list-style-type: none"> Earth Science (0.5) 	<ul style="list-style-type: none"> US History (0.5) 	<ul style="list-style-type: none"> Level 1 Physical Education9 (0.5) Health 9 (0.5) 	<ul style="list-style-type: none"> Microsoft Office Suite (TC) (0.5) 	<ul style="list-style-type: none"> 9-12 4.0 Required 2.0 Elective 6.0Total
Grade 10	<ul style="list-style-type: none"> English 10 (1.0) -OR- Enriched English 10 (1.0) 	<ul style="list-style-type: none"> Geometry (1.0) -OR- Enriched Geometry (1.0) 	<ul style="list-style-type: none"> Biology (1.0) 	<ul style="list-style-type: none"> World Studies (1.0) -OR- AP European Studies (1.0) 	<ul style="list-style-type: none"> Level II Physical Education (0.5) 	<ul style="list-style-type: none"> Digital Electronics (1.0) Introduction to Computer Science (0.5) 	<ul style="list-style-type: none"> 10-12 9-12 4.5 Required 1.5 Elective 6.0Total
Grade 11	<ul style="list-style-type: none"> English 11 (1.0) -OR- AP Language & Composition (1.0) 	<ul style="list-style-type: none"> Algebra II (1.0) -OR- Enriched Algebra II/Trigonometry (1.0) 	<ul style="list-style-type: none"> Physics (1.0) -OR- AP Physics: Mechanics (1.0) 	<ul style="list-style-type: none"> Government (0.5) -OR- AP United States Government and Politics (0.5) 	<ul style="list-style-type: none"> Level III Physical Education (0.5) 	<ul style="list-style-type: none"> Entrepreneurship (TC) (0.5) Computer Hardware (TC) (0.75) Preparation for College and Business Communications (1.0) 	<ul style="list-style-type: none"> 9-12 9-12 11-12 4.0 Required 2.0 Elective 6.0Total
Grade 12	<ul style="list-style-type: none"> English 12 (1.0) -OR- AP Literature & Composition (1.0) 	<ul style="list-style-type: none"> Precalculus (1.0) -OR- AP Statistics (1.0) 	<ul style="list-style-type: none"> See post-secondary education institution for science requirements 	<ul style="list-style-type: none"> Sociology/Social Issues (0.5) Psychology (0.5) -OR- AP Psychology (1.0) AP Economics (0.5) -OR- Economics (0.5) 		<ul style="list-style-type: none"> Personal Law (0.5) Engineering Design and Development (1.0) <i>Student elective options will vary based on career interest.</i>	<ul style="list-style-type: none"> 11-12 12 2.5 Required 3.0 Elective 5.5Total
Course Code Key (see course catalog for further details) AP Advanced Placement AS Advanced Standing TC Transcribed 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 Possible Credits Required Grades 9-1215.0 Minimum Electives.....8.5 Credits for Graduation23.5		Other Related Courses and Activities (curricular, co-curricular, and extra-curricular)		
			<ul style="list-style-type: none"> Introduction to Engineering Design (TC) (1.0) Computer Integrated Manufacturing (TC) (1.0) Architectural Design (1.0) 		<ul style="list-style-type: none"> Accounting I (0.5) Accounting II (TC) (0.5) Accounting III (TC) (0.5) Information Technology Youth Apprenticeship (1.0/yr) Digital Applications (0.5) Principles of Engineering (1.0) Skills USA FBLA World Languages 		



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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.

Post-Secondary Options	Baccalaureate Degree		Associate Degree Programs		Certificate/License
	<u>University of Wisconsin – Eau Claire</u> <ul style="list-style-type: none"> • Computer Science • Computer Science – Computer Engineering 	<u>University of Minnesota – Twin Cities</u> <ul style="list-style-type: none"> • Electrical and Computer Engineering 	<u>Chippewa Valley Technical College</u> <ul style="list-style-type: none"> • Information Technology-Network Specialist • Information Technology-Programmer/Analyst 		
	<u>University of Wisconsin – Madison</u> <ul style="list-style-type: none"> • Electrical and Computer Engineering 				
	<u>University of Wisconsin – Stout</u> <ul style="list-style-type: none"> • Information and Communication Technologies: Network 				
	Adult Apprenticeship, On-the-Job Training or Other		Employment Options		
		Careers <ul style="list-style-type: none"> • Communications Analyst • Data Communications Analyst • Information Systems Administrator • Information Systems Operator • Information Technology Engineer • Network Administrator • Network Architect 	<ul style="list-style-type: none"> • Network Engineer • Network Manager • Network Operations Analyst • Network Security Analyst • Network Specialist • Network Technician • Network Transport Administrator 	<ul style="list-style-type: none"> • PC Support Specialist • Systems Administrator • Systems Engineer • Systems Support Leader • Technical Support Specialist • Telecommunications Network Technician • User Support Specialist 	