High School

Academic and Career Planning Guide

The Academic Planning Guides are also available on your school's webpage.

Language Assistance

For assistance in another language please call 715-852-3000 or contact your child's school.

Yog koj xav tau kev pab txhais cov ntawv nov ua lus Hmoob, thov hu xov tooj rau koj tus menyuam lub tsev kawm ntawv los yog hu tus xov tooj no: 715-852-3000.

Si Ud. le gustaría ayuda para interpretar el idioma de estos materiales, por favor llame Ud. a la escuela de su hijo o hija, o 715-852- 3000.

Table of Contents

Contents

Using the ACP Guide 4
Course Preview Night 5
Registration Schedule 5
Welcome to the ECASD Academic and Career Planning (ACP) Guide 6
General Information 7
- **Drop/Add Policy** 7
- **Early Bird Classes** 7
- **Laude System** 7
- **Equal Educational Opportunities** 7
- **Dual Credit Opportunities** 8
- **Talented and Gifted Education** 8
- **Non-Discrimination Policy** 8
- **Online Learning** 8
- **Specialized Programs** 8

Academic and Career Planning 9
- **Wisconsin Academic and Career Planning** 9
- **ECASD Requirements** 10
- **General 4-Year Planning Guide** 11
- **Career Pathways, Key Components, How to Use** 12
  - **Agriculture, Food & Natural Resources Career Pathway** 13
  - **Architecture and Construction Career Pathway** 14
  - **Business, Finance and Marketing Career Pathways** 15
  - **Engineering Career Pathway** 16
  - **Health Science Career Pathway** 17
  - **Hospitality & Tourism Career Pathway** 18
  - **Manufacturing Career Pathway** 19
  - **Transportation, Distribution & Logistics Career Pathway** 20

Dual Credit: College-Level Coursework 21
- **Advanced Placement (AP)** 21
- **Start College Now (SCN)** 21
- **Early College Credit Program (ECCP)** 21

Dual Credit: College-Level Coursework (continued) 21
Transcripted Credit (TC) 22
Project Lead The Way (PLTW) 22
CVTC Academy 22
Career-based Learning 23
Internship Program 23
Youth Apprenticeship 23
Work-Based Learning 23
Planning for Post Secondary Pathway - Resources 25
Wisconsin and Minnesota Universities Admissions Requirements 25
Wisconsin Technical College System Admission Requirements 25
Wisconsin Private College Admission Requirements 25
Apprenticeships, Military or other Skilled Trades Pathways 25
Course Listing by Department 26
Agriculture and Natural Resources 31
Art 31
Art/Theatre 33
Business, Marketing, & Information Technology 33
Family and Consumer Sciences 34
Health 36
Independent Programs 36
Language Arts 36
Math 37
Music - Band 38
Music - Orchestra 39
Music - Vocal 40
Physical Education 41
Science 42
Social Studies 44
Technology & Engineering 45
World Languages 48
CVTC ACADEMY COLLEGE CREDIT OPPORTUNITIES 51
CNA Academy 51

EMT/EMR Academy 52
Pre-Nursing and Healthcare Academy – ECASD (Eau Claire Students Only) 52
Teacher Education Career Pathway 54
IT Software Development Academy 55
Welding Academy - Lippert 56
Electrical Maintenance Academy 58
HVACR (Heating, Air Conditioning, & Refrigeration) Academy 59
Automotive Maintenance Technician Academy..... 60

Using the ACP Guide

This Academic and Career Planning guide is a tool for you to plan your high school career. Please use it as a resource to decide courses you want to take, investigate opportunities to explore and investigate various options regarding careers.

Instructions for Registering in Skyward

1. Login to your Skyward account
2. CLICK **"schedule"**
3. CLICK **"Request Courses for 2025-2026 in your high school"**
4. At the bottom of the screen, enter each **required** and **elective** course you want, one by one:
   - Enter the 4-digit course number
   - CLICK "search"
   - Your course should appear.
   - CLICK on the course
   - CLICK "add course" (course will appear in the box to the right)
   - REMEMBER: all your **required** and **elective** courses go here!!!
   - If you make a MISTAKE: CLICK on the course in the box to the right and CLICK "remove course"
   - Your **"total credits"** (above the column to the right) should be between 6-7.5 credits based on what you signed up for
5. CLICK the **"Request Alternates"** tab
6. Repeat step #4 (Notice that your **"total credits"** from the "request courses" tab do not change when you add alternates)

- Your alternates will appear numbered in the box to the right
- Your required and elective courses will have an "R" (for "requested") in front of them
- Double check all the courses you selected

- **There is no SAVE button**. It will save automatically.
- Click out of the registration screen and logout.

Course Preview Night

Academic, College and Career Planning (ACP)

Target Audience: Current Grade 8 students and families

Purpose:

- Meet administrators, counselors and staff members
- Learn about the course selection process with a lens on College and Career Readiness
- Learn about the high school experience and Advanced Placement/dual credit opportunities

When:

Future North High School Students

Monday, January 13, 2025

6:00-7:30 p.m.

Future Memorial High School Students

Tuesday, January 14, 2025

6:00-7:30 p.m.

Registration Schedule

Academic, College and Career Planning (ACP)

Target Audience	Date	Activity
Current **DeLong** Grade 8 Students	January 9, 2025	Informational meetings with HS Counselor
Current **Northstar** Grade 8 Students	January 9, 2025	Informational meetings with HS Counselor
Current **South** Grade 8 Students	January 10, 2025	Informational meetings with HS Counselor
Current Grade 8 Students	January 16, 2025	Register for classes with HS Counselor
Current Grade 9-11 Students	January and February 2025 Listen to Announcements	Register for classes

Welcome to the ECASD Academic and Career Planning (ACP) Guide

Dear Eau Claire Area School District Students,

Welcome to the 2025-26 student ACP Guide! Now is the time to plan for your future, and we are prepared to help! This document contains information about the many choices that the Eau Claire Area School District provides to help all students prepare for post-secondary success. Your high school education is the foundation for a variety of careers during adulthood; therefore, the academic choices you make during high school can have a lasting impact. The variety of courses described in this planning guide allow you to individualize your four-year program.

Students can enroll in college-level courses while earning dual high school and college credit. Take required courses that intellectually challenge you. Choose electives that interest you. Explore new skills and talents. Be creative and think big. If you have questions about courses, or your four-year plan, please contact a teacher, counselor, or administrator. We are all here to help you and discuss your goals and dreams. Whether your plan is technical college, four-year college, military, or work apprenticeships, you have an opportunity to receive an education that will prepare you well for post-secondary success—make the most of it!

Best Wishes

Dave Oldenberg, Principal
Memorial High School

Kim Koller, Principal
North High School

Memorial Administrators	**North Administrators**
Dave Oldenberg, Principal	Kim Koller, Interim Principal
Travis Hedtke, Assistant Principal	John Samb, Assistant Principal
Stephanie Sturgis, Assistant Principal	Nicole Vinopal, Assistant Principal
Perry Myren, Assistant Principal/Athletic Director	Michael Pernsteiner, Assistant Principal/Athletic Director

Memorial Counselors		**North Counselors**	
Heather Kapanke	A-D	Brian Woodie	A-En
Sam Hochstetler	E-J	Quinn Hrdlicka	Eo-Kh
Michelle Moss	K-N	Mai Thao	Ki-O
Faith Erickson	O-Sr	Kelly Haskamp	P-Sto
Isaiah Vang	St-Z	Justine Hildebrandt	Str-Z

General Information

Drop/Add Policy

Student schedules must be finalized before the beginning of the school year. Any course dropped after mid-quarter of first and third quarters will be recorded on the student transcript as **WF** (withdraw/fail) and the grade of **F** will be included in the GPA.

Early Bird Classes

Early Bird classes meet before the buses arrive. Students must provide their own transportation and should not register for any of these courses if they cannot meet this requirement. Early Bird classes may be offered for physical education and music.

Laude System

The ECASD has constructed a Laude System that honors academic achievement and growth through multiple measures. Graduating seniors who have excelled throughout grades 9-12 will be identified for recognition based on the following procedures and criteria.

	Cum Laude	Magna Cum Laude	Summa Cum Laude
GPA	3.50 – 4.00	3.75 – 4.00	4.00
Dual Credit Courses	2 ECASD credits	3 ECASD credits	5 ECASD credits

NOTE: Grade Point Average will be used as a factor in determining our Wisconsin Academic Excellence Scholarship

Dual Credit Courses:

- Dual Credits are earned by passing a post-secondary articulated course.
- Dual Credits recognized by the ECASD include Project Lead the Way (PLTW), Advanced Placement (AP), Transcripted Credits (TC), Start College Now (DC), Early College Credit Program (DC) and CVTC Academy courses (DC).

Equal Educational Opportunities

All ECASD programs and classes (including Career & Technical Education/Project Lead the Way/Transcripted Credit/Start College Now/Early College Credit Program/Advanced Placement/Youth apprenticeships/Mentorships) are available to students regardless of their sex, race, religion, color, national origin, ancestry, creed, pregnancy, marital or parental status, gender identity, or physical, mental, emotional, or learning disability.

Dual Credit Opportunities

Students can earn dual credit through Wisconsin two-year colleges, four-year colleges, and technical colleges. Please see pages 21-22 for more information.

Talented and Gifted Education

ECASD provides for the special learning needs of students who exhibit giftedness in any of the following areas: general intellectual ability, specific academic ability, artistic ability (including art, music, and drama), leadership ability, creative ability. Gifted education provides the following services: development of appropriate programming for students whose learning needs do not match the typical grade placement of school, assistance for classroom teachers in differentiating curriculum for students, and direct services to students (i.e., differentiated education plans). For further assistance, contact Michelle Radtke, Director of Secondary Programming and Post-secondary Readiness, at 715-852-3091 or mradtke@ecasd.us.

Non-Discrimination Policy

The District encourages informal resolution of complaints concerning alleged discrimination. If any person believes that the Eau Claire Area School District or any part of the school organization has failed to follow the law and rules of §118.13, Wis. Stats., the Americans with Disabilities Act, Title IX, Title VI, or Section 504 or in some way discriminates against students on the basis of race, color, religion, national origin, ancestry, creed, pregnancy, marital status, parental status, sexual orientation, sex, (including gender status, change of sex or gender identity), or physical, mental, emotional, or learning disability (Protected Classes) they can bring or send a complaint to Dang Yang, Director of Equity, Diversity, and Inclusion & Title IX Coordinator at 715-852-3069 or dyang1@ecasd.us.

Online Learning

If you are interested in taking an online course, contact your counselor for help in determining whether an online course is right for you. The purpose of using Edgenuity programming in the ECASD is to provide a resource along the continuum of services for our students. The platform provides credit attainment and recovery. During the school year, the credits can only be for courses that are not comparable to courses in the ECASD Academic and Career Planning (ACP) Guide.

Specialized Programs

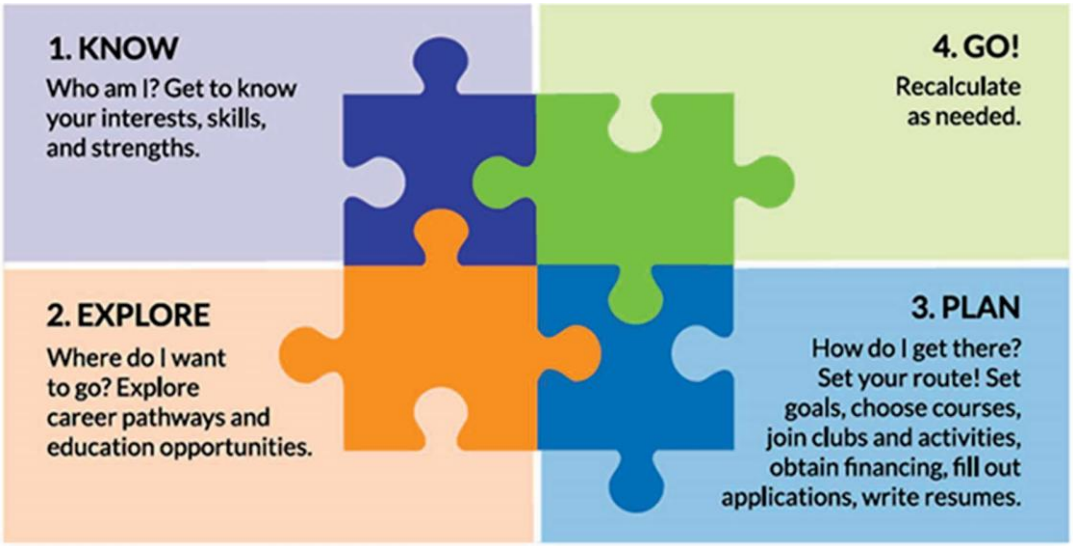
Special education services may be delivered in a general or special education environment, or a combination of these options. Individual Educational Plans (IEP) are designed to meet the student's educational needs with accommodations and/or modifications. Course selection decisions are made based on the student's IEP. Most special education courses parallel traditional core academic offerings, but some are significantly modified in content and focus. See your IEP manager for more information. You may also contact Director of Special Education, Dana McConnell, at 715-852-3077 or dmcconnell1@ecasd.us. Students who speak a language other than English at home may qualify for English Language (EL) support. For additional information on EL services, you may contact the English Language teacher at your school. You can also contact Misti Trowbridge, Director of Student Services, at 715-852-3188 or mtrowbridge@ecasd.us.

Wisconsin Academic and Career Planning

Academic and Career Planning is a student-driven, adult supported process in which students learn how their unique strengths and interests align to a wide variety of future opportunities.

High school students will:

- Continue working on Academic and Career Plans
- Maintain rigorous academic course work
- Explore and practice essential career skills
- Participate in post-secondary experiences such as: Advanced Placement courses, Project Lead the Way, Transcripted Credit, Early College Credit Program, Start College Now, Youth Apprenticeship and CVTC Academy courses
- Gain first-hand knowledge from career professionals



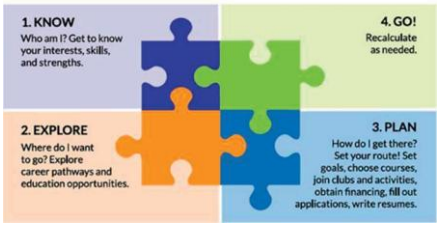
ECASD Requirements **23.5** (minimum) total credits required in the following subject areas:	
English	**4.0 Credits including:** English 9 (1.0) English 10 (1.0) English 11 (1.0) English 12 (1.0)
Social Studies *Must pass required Wisconsin Civics Test*	**3.0 Credits including:** US History (0.5) World Studies (1.0) US Government (0.5) Economics (0.5) Psychology **or** Sociology (0.5)
Science	**3.0 Credits including:** Earth Science (0.5) Life Science (1.0) Physical Science (1.0) Science (0.5)
Math	**3.0 Credits**
Physical Education	**1.5 Credits including:** PE—Level I (0.5) PE—Level II (0.5) PE—Level III (0.5)
Health	**0.5 Credit**
Personal Finance (Starting with the Class of 2028 during Grade 11 or Grade 12)	**0.5 Credit**
Electives/Courses	**8.0 Credits**
Total Minimum Credits	**23.5 Credits**



General 4-Year Planning Guide

Graduation Requirements	Grade 9	Grade 10	Grade 11	Grade 12
ENGLISH (4.0 Credits)	**1.0 Credit** English 9	**1.0 Credit** English 10	**1.0 Credit** English 11 AP Lang/Comp AP Lit/Comp	**1.0 Credit** English 12 AP Lang/Comp AP Lit/Comp
MATH (3.0 Credits)	**1.0 Credit**	**1.0 Credit**	**1.0 Credit**	**1.0 Credit Recommended**
SCIENCE (3.0 Credits)	**0.5 Credit** Earth Science	**1.0 Credit** Life Science	**1.0 Credit** Physical Science	**0.5 Credit**
SOCIAL STUDIES (3.0 Credits)	**0.5 Credit** US History AP US History (1.0 Credit) Taken in grades 10-12	**1.0 Credit** World Studies AP European History AP Human Geography	**0.5 Credit** Government AP Government *Required Civics exam	**1.0 Credit** Economics OR AP Economics **AND** Psychology OR AP Psychology OR Sociology
HEALTH (0.5 credit)	**0.5 Credit**			
Personal Finance (0.5 Credit)			**0.5 Credit** *Starting with the Class of 2028 during Grade 11* ***or*** *Grade 12*	
Phy Ed (1.5 Credits)	**0.5 Credit**	**0.5 Credit**	**0.5 Credit**	
ELECTIVES (8.0 Credits)				
Total Credits	**Required Credits:** **Elective Credits:** **Total Credits:** **6.0 credits minimum**	**Required Credits:** **Elective Credits:** **Total Credits:** **6.0 credits minimum**	**Required Credits:** **Elective Credits:** **Total Credits:** **6.0 credits minimum**	**Required Credits:** **Elective Credits:** **Total Credits:** **5.5 credits minimum**





Career Pathways

Career Pathways are structured frameworks that guide students through the education available in the Eau Claire Area School District to help achieve specific career goals. They integrate post-secondary courses throughout a student's high school career, providing a roadmap from high school through post-secondary education and into the workforce.

Key Components of Career Pathways:

- **Exploration:** Students identify their interests and aptitudes, exploring various career options.
- **Education:** Pathways include relevant coursework and skill-building activities aligned with industry needs.
- **Support Services:** Academic advising, career counseling, and other support services help students stay on track.
- **Work-Based Learning:** Apprenticeships and other hands-on experiences provide practical skills and insights into the workplace.
- **Credentialing:** Students earn certifications, degrees, or credentials that are recognized by employers

How Students Use Career Pathways

- **Self-Assessment:** Begin by assessing interests, strengths, and career aspirations. Tools like career interest inventories can be helpful.
- **Research:** Investigate career options and the educational requirements for each.
- **Planning:** Develop a personalized education plan that includes the necessary courses and experiences. This plan should be flexible to accommodate changes in interests or goals.
- **Engagement:** Take advantage of work-based learning opportunities to gain real-world experience and build a professional network.
- **Continuous Review:** Regularly review and adjust the career plan to stay aligned with evolving goals and industry trends.

The following career pathways have been developed as a helpful roadmap to guide students through the educational pathway to explore and support their career interests. **Additional pathways are coming soon**. The online ACP Guide will be updated as these pathways are finalized.

• Agriculture, Food & Natural Resources	• Health Science
• Architecture and Construction	• Hospitality & Tourism
• Business, Finance and Marketing	• Manufacturing
• Engineering	• Transportation, Distribution & Logistics

Agriculture, Food & Natural Resources Career Pathway

4-Year Planning Guide

Career Pathway	Year 1	Year 2	Year 3	Year 4
	Semester 1 or 2	Semester 1 or 2	Semester 1 or 2	Semester 1 and 2
Plant Systems	Intro to Agriculture (.5 Credit)	Horticulture (TC) (.75 Credit)	**CVTC SCN Course** Landscape Plants (001-116 – Fall ONLY) **AND/OR** Horticulture Soils (001-120 – Fall ONLY)	Agriculture, Food and Natural Resources Youth Apprenticeship (1.0 Credit)
Animal Systems		Small Animal Science (.50 Credit)	**CVTC SCN Course** Intro to Animal Science (091-181) **AND** Animal Science Lab (091-182)	
Natural Resources Systems		Wildlife Management (.50 Credit)	AP Biology or Biology	

**TC = Transcripted Credit – See page 21-22 for more information*

High School Graduation Requirements	
Content Area	**Credits**
English	4.0
Mathematics	3.0
Science	3.0
Social Studies	3.0
Health	0.5
Physical Education	1.5
Personal Finance	0.5

Plant Systems Pathway Related Electives					
Course Name	**Credits**	**Course Name**	**Credits**	**Course Name**	**Credits**
Culinary 1	0.5	Culinary II	0.5	World Languages	1.0
Animal Systems Pathway Related Electives					
Course Name	**Credits**	**Course Name**	**Credits**	**Course Name**	**Credits**
Medical Terminology	0.75	Biology	1.0	World Languages	1.0
Natural Resources Systems Pathway Related Electives					
Course Name	**Credits**	**Course Name**	**Credits**	**Course Name**	**Credits**
Environment Science A	0.5	Environmental B	0.5	Oceanography/Meteorology	0.5
General Related Electives					
Course Name	**Credits**	**Course Name**	**Credits**	**Course Name**	**Credits**
Biotechnology	0.5	Woodworking I	1.0	Recreational Small Engines	0.5

Career Related Activities for the Career Pathway			
Work-Based Learning Experiences	District Career Days	Job Shadow	Agriculture, Food and Natural Resources Youth Apprenticeship
Co-Curricular Activity	FFA	Athletics	
Industry Recognized Credentials	Supervised Agricultural Experience		

Architecture and Construction Career Pathway

4-Year Planning Guide

Career Pathway	Year 1		Year 2		Year 3		Year 4	
	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2
Design/Pre-Construction	Introduction to Engineering Design (PLTW) (1.0 Credit)		Construction I (.5 Credit)	Housing and Interior Design (.5 Credit)	Civil Engineering and Architecture (PLTW) (1.0 Credit) **AND/OR** Architecture & Construction Youth Apprenticeship (1.0 Credit)		Architecture & Construction Youth Apprenticeship (1.0 Credit)	
General Construction	Woodworking I (1.0 Credit)		Construction I (0.5 Credit)	Introduction to Electricity and Residential Wiring (0.5 Credit)	Woodworking II (TC) (1.0 Credit)		Architecture & Construction Youth Apprenticeship (1.0 Credit) **AND/OR** HVACR (Heating, Air Conditioning & Refrigeration) Academy	

**TC = Transcripted Credit – See page 21-22 for more information*

High School Graduation Requirements	
Content Area	**Credits**
English	4.0
Mathematics	3.0
Science	3.0
Social Studies	3.0
Health	0.5
Physical Education	1.5
Personal Finance	0.5

Design/Pre-Construction Pathway Related Electives					
Course Name	**Credits**	**Course Name**	**Credits**	**Course Name**	**Credits**
Physics	1.0	Geometry	1.0	World Language	1.0
General Construction Pathway Related Electives					
Course Name	**Credits**	**Course Name**	**Credits**	**Course Name**	**Credits**
Entrepreneurship	0.5	Intro to Accounting (TC)	0.75	World Language	1.0

Career Related Activities for the Career Pathway			
Work-Based Learning Experiences	District Career Days	Job Shadow	Architecture & Construction Youth Apprenticeship
Co-Curricular Activity	Skills USA	Athletics	

Career Pathway	Year 1		Year 2		Year 3		Year 4	
	Semester 1	**Semester 2**	**Semester 1**	**Semester 2**	**Semester 1**	**Semester 2**	**Semester 1**	**Semester 2**
Business Management *General Business Pathway*	Introduction to Business (TC) (.75 Credit)	Microsoft Office Suite (TC) (.5 Credit)	Business Concepts (.5 Credit)	Business Law (.5 Credit)	Personal Finance (TC) (.5 Credit)	Entrepreneurship (TC) (.5 Credit)	Business Youth Apprenticeship (1.0 Credit)	
Finance *Accounting Pathway*	Introduction to Business (TC) (.75 Credit)	Microsoft Office Suite (TC) (.5 Credit)	Business Law (.5 Credit)	Accounting I (TC) (.5 Credit)	Accounting II (TC) (.5 Credit)	Personal Finance (TC) (.5 Credit)		
Marketing *General Marketing Pathway*	Introduction to Business (TC) (.75 Credit)	Microsoft Office Suite (TC) (.5 Credit)	Marketing I (TC) (1.0 Credit)		Marketing II (TC) (1.0 Credit)		Personal Finance (TC) (.5 Credit)	Sports & Entertainment Marketing (.5 Credit)
							AND/OR Business Youth Apprenticeship	

**TC = Transcripted Credit – See page 21-22 for more information*

High School Graduation Requirements	
Content Area	**Credits**
English	4.0
Mathematics	3.0
Science	3.0
Social Studies	3.0
Health	0.5
Physical Education	1.5
Personal Finance	0.5

General Business Pathway Related Electives					
Course Name	**Credits**	**Course Name**	**Credits**	**Course Name**	**Credits**
AP Statistics	0.5	Principles of Economics	0.5	World Language	1.0
Marketing Pathway Related Electives					
Course Name	**Credits**	**Course Name**	**Credits**	**Course Name**	**Credits**
AP Psychology	1.0	Printing Graphics I	0.5	Entertainment Technology	0.5
Psychology	0.5	Computer Science Essentials	0.5	Photography I	0.5
Graphic Arts I	0.5	Sociology	0.5	Photography II	0.5
Graphic Arts II	0.5	World Language	1.0		

Career Related Activities for the Career Pathway			
Work-Based Learning Experiences	District Career Days	Job Shadow	Business Youth Apprenticeship
Co-Curricular Activity	DECA	Athletics	
Industry Recognized Credentials	Microsoft Office Specialist Certification		

Career Pathway	Year 1		Year 2		Year 3		Year 4	
	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2
Engineering and Technology	Introduction to Engineering Design (PLTW) (1.0 Credit)		Principles of Engineering (PLTW) (1.0 Credit)		Civil Engineering and Architecture (PLTW) (1.0 Credit) **OR** Aerospace Engineering (PLTW) (1.0 Credit) **OR** Digital Electronics (PLTW) (1.0 Credit)		Civil Engineering and Architecture (PLTW) (1.0 Credit) **OR** Aerospace Engineering (PLTW) (1.0 Credit) **OR** Digital Electronics (PLTW) (1.0 Credit) **AND/OR** Engineering Youth Apprenticeship (1.0 Credit)	
	Geometry (1.0 Credit)		Algebra II & Trigonometry (1.0 Credit) **OR** Accelerated Algebra II/Precalculus (1.0 Credit)					

**PLTW = Project Lead the Way – See page 21-22 for more information*

High School Graduation Requirements		Engineering Career Pathway Related Electives					
Content Area	**Credits**	**Course Name**	**Credits**	**Course Name**	**Credits**	**Course Name**	**Credits**
English	4.0	Physics	1.0	Precalculus	1.0	Woodworking I	1.0
Mathematics	3.0	Construction	0.5	Automotive Mechanics I	1.0	Metals/Welding I	1.0
Science	3.0	World Language	1.0				
Social Studies	3.0						
Health	0.5						
Physical Education	1.5						
Personal Finance	0.5						

Career Related Activities for the Career Pathway			
Work-Based Learning Experiences	District Career Days	Job Shadow	Engineering Youth Apprenticeship
Co-Curricular Activity	Skills USA	Athletics	

Career Pathway	Year 1	Year 2		Year 3		Year 4	
	Semester 1 or 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2
Support Services	Health Science Occupations (.5 Credit)		CNA Academy (If 16 by Clinicals)	Introduction to Anatomy and Physiology (.5 Credit)	Medical Terminology (TC) (.5 Credit) **AND/OR** CNA Academy **AND/OR** EMR/EMT Academy	Health Science Youth Apprenticeship (1.0 Credit) **AND/OR** Pre-Nursing & Healthcare Academy	
		Biology (1.0 Credit)		Chemistry (1.0 Credit)			

**TC = Transcripted Credit – See page 21-22 for more information*

High School Graduation Requirements		Health Science Pathway Related Electives					
Content Area	Credits	Course Name	Credits	Course Name	Credits	Course Name	Credits
English	4.0	Introduction to Business	0.5	Microsoft Office Suite (TC)	0.5	World Language	1.0
Mathematics	3.0	Culinary I	0.5	Small Animal Science	0.5		
Science	3.0						
Social Studies	3.0						
Health	0.5						
Physical Education	1.5						
Personal Finance	0.5						

Career Related Activities for the Career Pathway			
Work-Based Learning Experiences	District Career Days	Job Shadow	Health Science Youth Apprenticeship
Co-Curricular Activity	HOSA	Athletics	
Industry Recognized Credentials	CNA	EMR/EMT	

Hospitality & Tourism Career Pathway

4-Year Planning Guide

Career Pathway	Year 1		Year 2	Year 3	Year 4	
	Semester 1	Semester 2	Semester 1 or 2	Semester 1 or 2	Semester 1	Semester 2
Restaurant Management and Culinary Arts	Culinary I (0.5 Credit)	Culinary II (0.5 Credit)	Baking and Pastry Arts (0.5 Credit)	World Cuisines (0.5 Credit)	Hospitality & Tourism Youth Apprenticeship (1.0 Credit)	

**TC = Transcripted Credit – See page 21-22 for more information*

High School Graduation Requirements		Hospitality & Tourism Pathway Related Electives					
Content Area	**Credits**	**Course Name**	**Credits**	**Course Name**	**Credits**	**Course Name**	**Credits**
English	4.0	Introduction to Business	0.5	Entrepreneurship (TC)	0.5	Marketing I (TC)	1.0
Mathematics	3.0	Microsoft Office Suite (TC)	1.0	Housing and Interior Design	0.5	World Language	1.0
Science	3.0						
Social Studies	3.0						
Health	0.5						
Physical Education	1.5						
Personal Finance	0.5						

Career Related Activities for the Career Pathway			
Work-Based Learning Experiences	District Career Days	Job Shadow	Hospitality & Tourism Youth Apprenticeship
Co-Curricular Activity	FCCLA	Athletics	
Industry Recognized Credentials	ProStart		

Career Pathway	Year 1		Year 2		Year 3		Year 4	
	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2
Production Industry 4.0	Woodworking I (1.0 Credit) **AND/OR** Metals/Welding I (1.0 Credit)		Woodworking II (1.0 Credit) **AND/OR** Welding II (TC) (1.0 Credit)		Manufacturing Youth Apprenticeship (1.0 Credit) **AND/OR** Electrical Maintenance Academy		Lippert Welding Academy **AND/OR** Manufacturing Youth Apprenticeship (1.0 Credit)	

**TC = Transcripted Credit – See page 21-22 for more information*

High School Graduation Requirements	
Content Area	**Credits**
English	4.0
Mathematics	3.0
Science	3.0
Social Studies	3.0
Health	0.5
Physical Education	1.5
Personal Finance	0.5

Manufacturing Pathway Related Electives					
Course Name	**Credits**	**Course Name**	**Credits**	**Course Name**	**Credits**
Geometry	1.0	Construction I	0.5	Entrepreneurship (TC)	0.75
World Language	1.0				

Career Related Activities for the Career Pathway			
Work-Based Learning Experiences	District Career Days	Job Shadow	Manufacturing Youth Apprenticeship
Co-Curricular Activity	SkillsUSA	Athletics	

Transportation, Distribution & Logistics Career Pathway

4-Year Planning Guide

Career Pathway	Year 1	Year 2	Year 3		Year 4	
	Semester 1 or 2	Semester 1 or 2	Semester 1	Semester 2	Semester 1	Semester 2
Facility and Mobile Equipment Maintenance	Recreational Small Engines (TC) (0.5 Credit)	Vehicle Care (0.5 Credit)	Automotive Mechanics I (TC) (1.0 Credit) **AND** Transportation, Distribution & Logistics Youth Apprenticeship (1.0 Credit)		Automotive Mechanics II (TC) (1.0 Credit) **AND/OR** Automotive Maintenance Technician Academy **AND/OR** Transportation, Distribution & Logistics Youth Apprenticeship (1.0 Credit)	

**TC = Transcripted Credit – See page 21-22 for more information*

High School Graduation Requirements	
Content Area	**Credits**
English	4.0
Mathematics	3.0
Science	3.0
Social Studies	3.0
Health	0.5
Physical Education	1.5
Personal Finance	0.5

Transportation, Distribution & Logistics Pathway Related Electives					
Course Name	**Credits**	**Course Name**	**Credits**	**Course Name**	**Credits**
Metals/Welding I	1.0	Entrepreneurship (TC)	0.5	Introduction to Business (TC)	0.5
World Language	1.0				

Career Related Activities for the Career Pathway			
Work-Based Learning Experiences	District Career Days	Job Shadow	Transportation, Distribution & Logistics Youth Apprenticeship
Co-Curricular Activity	Skills USA	Athletics	
Industry Recognized Credentials	Snap-On		

Dual Credit: College-Level Coursework

	Advanced Placement (AP)	Start College Now (SCN)	Early College Credit Program (ECCP)
DESCRIPTION	• Exposure to college level coursework • Indicator of college readiness if a student earns an A, B, or C in the course or receives a 3+ on the placement exam	• Allows high school students the opportunity to take up to two courses at a time at a Wisconsin Technical College.	• Allows high school students to take up to two courses at a time at a 4-year WI University
SITE	• Memorial High School • North High School	• Wisconsin Technical Colleges	• Wisconsin College/University
TEACHER	• Eau Claire Area School District Teachers	• Wisconsin Technical College Staff	• Wisconsin College/University Staff
RREQUIREMENTS MENTS	• Most AP courses have prerequisites. • AP courses are independent of the AP exam. • AP exams may be taken without taking the course • AP Exams available for French, Spanish, German, and Japanese. • **Registration for AP exams - November 1, 2025.** • **Registration for Macroeconomics - March 1, 2026.**	• Grades 11 and 12 ONLY • Maximum of 18 credits including ECCP • Good academic standing • Admission requirements set by post-secondary school • Course must not be comparable to any ECASD course. • **Application deadlines:** October 1-spring semester course March 1- fall semester course No summer SCN classes	• Grades 9, 10, 11 or 12 • Maximum of 18 credits including SCN • Good academic standing • Admission requirements set by post-secondary school • Grade 9 needs a teacher letter of recommendation. • Course must not be comparable to any ECASD course. • **Application deadlines:** October 1 - spring semester March 1 - fall semester February 1- summer semester
GRADES & CREDIT OPPORTUNTITY	• Grade based on class performance. • College credit-based AP exam score • 3+ Score on AP Exam considered passing; some colleges require a score of 4 or 5 for a direct credit transfer. • AP Credits are considered "credits in escrow"; not guaranteed until you are admitted to a post-secondary institution. • Many AP courses transfer as elective credit. • AP Exam scores available in July.	• Grades earned through the college awarding credit • Grade recorded on transcript at both the high school and technical college • Earn 0.25 high school credit per 1.0 Wisconsin Technical College semester credit	• Grades earned through the college awarding credit • Grade recorded on transcript at both the high school and college/university • Earn 0.25 high school credit per 1.0 college/university semester credit
COST	• Student Fee for optional AP Exam	• Transportation - student responsibility • ECASD pays for books and course credits. • Student - Responsible for purchasing parking permit, notebooks, calculators, tools, or instruments needed for the course. • Family or adult student will be required to reimburse 100% of the tuition, fees and books to ECASD if student does not complete or fails the course.	• Transportation - student responsibility • ECASD will pay for books and course credits. The student is responsible for purchasing a parking permit, notebooks, calculators, tools, or instruments needed for the course. • Family or adult student will be required to reimburse 100% of the tuition, fees and books to ECASD if student does not complete the course or fails the course.
COURSES	English Literature ▪ English Language and Composition ▪ Statistics ▪ Calculus AB ▪ Calculus BC ▪ Biology ▪ Chemistry ▪ Physics C: Mechanics ▪ US History ▪ European History ▪ US Government & Politics ▪ Macroeconomics ▪ Psychology ▪ Studio Art-Drawing ▪ Studio Art - 3-D Design ▪ Music Theory ▪ Human Geography	• Determined by college prerequisites • Course must not be comparable to any ECASD course.	• Determined by college prerequisites • Course must not be comparable to any ECASD course.

Dual Credit: College-Level Coursework

	Transcripted Credit (TC)	Project Lead The Way (PLTW)	CVTC Academy
DESCRIPTION	• Agreement between ECASD and Technical Colleges allowing students to earn "transcripted credits" (TC) for approved courses • Wisconsin Technical College course curriculum • Taught at the high schools by ECASD staff who are Technical College certified	• National College pre-engineering program designed to provide an opportunity to apply math and science skills while exploring the broad field of engineering	• Allows hischool students to pursue credits towards a certification or technical diploma, as well as transcripted credits (TC), in a career pathway or trade • Wisconsin Technical College course curriculum • Taught either at CVTC or at the high schools by ECASD staff who are Technical College certified
SITE	• Memorial High School • North High School	• Memorial High School • North High School	• Memorial High School • North High School • Chippewa Valley Technical College
TEACHER	• Eau Claire School District teachers who are Technical College certified	• Eau Claire School District teachers	• Wisconsin Technical College Staff OR ECASD teacher staff who are Technical College Certified.
REQUIREMENTS	• Register with Wisconsin Technical College at the start of the class to earn Transcripted Credit (TC)	• Classes are taught in sequence • Some classes have prerequisites	• Grades 11 and 12 ONLY • Good academic standing • Have taken courses in the defined career pathway at high school • Meets eligibility requirements of the CVTC academy
GRADES & CREDIT OPPORTUNTITY	• College grades and credit are recorded on a Wisconsin Technical College transcript and are included in a student's collegiate GPA • Earn 0.25 high school credit per 1.0 Wisconsin Technical College semester credit	• Grade is based on class performance • Credit transfer is based on your score on the PLTW exam • Students may be awarded credit based on end-of-course assessment scores • May be computed as part of your college GPA	• Grades earned through the college awarding credit • Grade recorded on transcript at both the high school and technical college • Earn 0.25 high school credit per 1.0 Wisconsin Technical College semester credit
COST	• No cost	• No cost	• Transportation – student responsibility • ECASD pays for books and course credits • Student – Responsible for purchasing parking, permit, notebooks, calculators, tools, or instruments needed for the course. • Family or adult student will be required to reimburse 100% of the tuition, fees and books to ECASD if student does not complete or fails the course.

COURSES	• Introduction to Business
	• Accounting I, II
	• Marketing I, II
	• Microsoft Office Suite
	• Entrepreneurship
	• Personal Finance
	• Parents and Children
	• Careers with Children
	• Woodworking II
	• Welding II
	• Criminal Justice
	• Introduction to Teacher Education
	• Medical Terminology
	• Auto Mechanics I, II
	• Recreational Small Engines
	• Horticulture
		• Digital Electronics
		• Introduction to Engineering Design
		• Civil Engineering & Architecture
		• Principles of Engineering
		• Aerospace Engineering
		• Computer Science Essentials
			• Visit **go.ecasd.us/academyatcvtc** for more information
			• ECASD Approved Academies
			  • CNA (Certified Nursing Assistant)
			  • EMT (EMR 1/EMT)
			  • Pre-Nursing and Healthcare
			  • IT - Software Development
			  • Residential Construction
			  • Electrical Maintenance
			  • Teacher Education
			  • Welding

Career-based Learning

Internship Program

The Internship Program combines work experience at an area business with technical and academic instruction at school. Speak to your counselor about options.

Youth Apprenticeship

One option within the Internship Program is completing a Youth Apprenticeship. Students may choose to complete a one-year or a two-year apprenticeship based on their career pathway.

- One-year apprenticeship, students are required to complete one credit (two semesters) of relevant courses and 450 hours of work experience.
- Two-year apprenticeship, students are required to complete two credits (four semesters) of relevant courses and 900 hours of work experience.

What courses count as relevant will depend upon the program selected. These experiences are made available through a partnership between the Eau Claire Chamber of Commerce and the Wisconsin Department of Workforce Development. Due to limited availability of work sites, positions in some areas are highly competitive.

Youth Apprenticeships At-A-Glance

- Students in grades 11-12 with an identified career pathway
- State certified programs
- 1–2-year commitment required (typically 8-12 hours/week)
- Paid employment throughout the school year and summer
- Earn high school credit
- Participation in employability skills training

You may also visit the DWD informational site for more information: https://dwd.wisconsin.gov/youthapprenticeship/

Availability of Youth Apprenticeship opportunities is dependent on finding a Youth Apprenticeship employer.

Work-Based Learning

Work-Based Learning opportunities (such as job shadows and mock interviews) are available for all high school students in grades 9, 10, 11, and 12. Students are highly encouraged to participate in at least one work-based learning opportunity during high school to explore a specific career cluster.

If students or families have questions about Internships, Youth Apprenticeship or Work-Based Learning, contact one of the following individuals. If students would like to apply for a Youth Apprenticeship, contact the Youth Apprenticeship Coordinator at the appropriate school.

Location	Name	Title	Phone Number	Email Address
District Office	Michelle Radtke	Director of Secondary Programming and Post-secondary Readiness	715-852-3091	mradtke@ecasd.us
Memorial High School	Brittnie Holden	Youth Apprenticeship Coordinator	715-852-6450	bholden@ecasd.us
North High School	Doug Devine	Youth Apprenticeship Coordinator	715-852-6649	ddevine@ecasd.us

YOUTH APPRENTICESHIP PROGRAM	GRADE	CREDIT	RELATED COURSES: *Taken prior to or concurrently*
Agriculture, Food, & Natural Resources	Grade 11 or 12	1 credit /year	Agriculture and Natural Resources Courses (pg. 31)
Architecture & Construction	Grade 11 or 12	1 credit /year	Architecture and Construction Career Pathway (pg. 14) Residential Construction Academy (pg. 57)
Business Administration	Grade 11 or 12	1 credit /year	Business Courses (pg. 33-34)
Education	Grade 11 or 12	1 credit/year	Education Courses (pg. 35-36) Teacher Education Career Academy (pg. 54)
Finance	Grade 11 or 12	1 credit /year	Business/Finance Courses (pg. 33-34)
Health Science	Grade 11 or 12	1 credit/year	Health Science Occupations (pg. 34) Medical Terminology (pg. 34) CNA Academy (pg. 51) EMR and/or EMT Academies (pg. 51) Pre-Nursing and Healthcare Academy (pg. 52-53)
Hospitality, Lodging, & Tourism	Grade 11 or 12	1 credit/year	Business/Marketing Courses (pg. 33-34) Culinary Courses (pg. 34-35)
Information Technology	Grade 11 or 12	1 credit/year	Business Courses (pg.33-34) Technology Courses (pg..45-48) IT Softwared Software Development Academy (pg. 55)
Manufacturing	Grade 11 or 12	1 credit/year	Metals/Welding (pg. 46-47) Woodworking (pg. 47) Welding Academy – Lippert (pg. 56)
Marketing	Grade 11 or 12	1 credit /year	Business/Marketing Courses (pg. 33-34)
STEM (Science, Technology, Engineering and Mathematics	Grade 11 or 12	1 credit/year	Engineering Courses (pg. 45-46)
Transportation, Distribution, & Logistics	Grade 11 or 12	1 credit /year	Automotive Mechanics courses (pg. 46-47)



Planning for Post Secondary Pathway - Resources

Wisconsin and Minnesota Universities Admissions Requirements

CONTENT AREA	CREDIT REQUIREMENTS
English	**4 Credits**
Social Studies	**3 Credits**
Natural Science	**3 Credits**
Math	**Wisconsin - 3 Credits Including**: • Algebra (1.0) • Geometry (1.0) • Algebra II/Algebra II & Trig./Accelerated Algebra II & PreCalc. (1.0) **Minnesota - 4 Credits**
World Language	**Required – 2 years of the same language** • UW Madison (Recommended more than 2 years) • Minnesota Universities
Fine Arts	**Required:** • Minnesota Universities (1.0) credit of Fine Arts
Remaining coursework should be selected to support an Academic and Career Plan for post-secondary success. • Refer to individual university websites for their specific requirements. • Encouraged to select courses beyond the minimum. • Completing rigorous courses will make students a stronger candidate for college admission.	

Wisconsin Technical College System Admission Requirements

To apply for admission to an associate degree program, technical certification program, or college transfer pathway you must have accomplished one of the following:

- graduation from high school;
- ***or*** completion of an accredited high school equivalency program;
- ***or*** completion of a GED or HSED.

Many technical college programs have additional requirements for admission. Refer to program listings on the technical college web site at www.wtcsystem.edu for the most current admission requirements.

Wisconsin Private College Admission Requirements

Wisconsin has several private colleges and universities. For specific admission requirements at Wisconsin Private Schools, please go to www.wisconsinprivatecolleges.org. Refer to the website for any other private schools.

Apprenticeships, Military or other Skilled Trades Pathways

We encourage you to speak with your counselor. There are many courses and resources to help you explore and plan for these options and areas of interest.

Course Listing by Department

Key:

*	Course prerequisite—refer to course descriptions for more information
AP	Advanced Placement
PLTW	Project Lead the Way
TC	Transcripted Credit - please see course description for dual credit course titles

NOTE: 1.0 CVTC/University of Wisconsin credit = 0.25 ECASD high school credit

Course #	Course Title	Credits	Page	Grade
Ag and Natural Resources	***Course Descriptions begin on page 31***			
0101	Intro to Agriculture	0.5	31	9-12
0102	Horticulture (TC)*	0.75	31	9-12
0110	Small Animal Science*	0.5	31	9-12
0116	Wildlife Management*	0.5	31	9-12
Art	***Course Descriptions begin on page 31***			
0200	Combined Visual Arts	0.5	31	9-12
0202	Graphic Art I	0.5	31	9-12
0204	Graphic Art II *	0.5	31	9-12
0206	Drawing I	0.5	31	9-12
0208	Drawing II *	0.5	31	9-12
0210	Jewelry/Sculpture I	0.5	31	9-12
0212	Jewelry/Sculpture II *	0.5	31	9-12
0214	Painting I	0.5	32	9-12
0216	Painting II *	0.5	32	9-12
0218	Pottery/Sculpture I	0.5	32	9-12
0220	Pottery/Sculpture II *	0.5	32	9-12
0226	Advanced 3D Art I *	0.5	32	11-12
0228	Advanced 3D Art II *	0.5	32	11-12
0236	AP Studio Art: Drawing *	1.0	32	11-12
0238	AP Studio Art: 3-D Design *	1.0	32	11-12
1328	Photography I	1.0	32	9-12
1330	Photography II *	1.0	32	10-12
0308	Yearbook	1.0	32	9-12
Art/Theatre	***Course Descriptions begin on page 33***			
0628	Theatre I	0.5	33	9-12
0630	Theatre II *	0.5	33	9-12
0632	Theatre III *	0.5	33	10-12
0638	Documentary Theatre *	0.5	33	10-12
Business, Marketing & IT	***Course Descriptions begin on page 33***			
0302	Accounting I (TC)	0.75	33	10-12
0303	Accounting II (TC)	1.0	33	11-12
0304	Microsoft Office Suite (TC)	0.5	33	9-12
0308	Yearbook	1.0	33	9-12
0318	Entrepreneurship (TC)	0.75	33	9-12
0322	Marketing I (TC)	1.0	33	9-12
0324	Marketing II (TC) *	1.0	34	10-12

Course #	Course Title	Credits	Page	Grade
Business, Marketing & IT	***Course Descriptions begin on page 33***			
0326	Sports & Entertainment Marketing	0.5	34	10-12
0328	Personal Finance (TC)	0.75	34	10-12
0330	Business Law	0.5	34	11-12
0340	Introduction to Business (TC)	0.75	34	9-12
0341	Business Concepts	0.5	34	10-12
Family and Consumer Sciences	***Course Descriptions begin on page 34***			
0400	Health Science Occupations	0.5	34	9-12
0440	Medical Terminology (TC)	0.75	34	10-12
0416	Culinary Arts I	0.5	34	9-12
0418	Culinary Arts II *	0.5	35	9-12
0414	Baking and Pastry Arts *	0.5	35	9-12
0430	World Cuisines *	0.5	35	9-12
0420	Your Skills, Your Finances and Your Future	0.5	35	9-12
0424	Parents and Children (TC)	0.75	35	9-12
0426	Careers with Children (TC) *	0.75	35	11-12
0428	Fashion, Fabric and Construction	0.5	35	9-12
0429	Housing and Interior Design	0.5	35	9-12
0408	FACS Co-op *	1.0	35	12
1740	Introduction to Teacher Education (TC)	0.75	36	10-12
Health	***Course Descriptions begin on page 36***			
1000	Health 9	0.5	36	9
Independent Programs	***Course Descriptions begin on page 36***			
1700	Library Assistant	0.5	36	10-12
1740	Introduction to Teacher Education (TC)	0.75	36	10-12
Language Arts	***Course Descriptions begin on page 36***			
0600	English 9	1.0	36	9
0604	English 10	1.0	36	10
0608	English 11	1.0	36	11
0614	English 12	1.0	36	12
0616	AP English – Language & Composition	1.0	36	11-12
0618	AP English – Literature & Composition	1.0	37	11-12
0619	Grammar and Usage	0.5	37	10-12
0624	Myths & Legends from Around the World	0.5	37	10-12
0626	Writing with Style	0.5	37	11-12
0308	Yearbook	1.0	37	9-12
Math	***Course Descriptions begin on page 37***			
0700	Algebra I	1.0	37	9-12
0708	Geometry *	1.0	37	9-12
0716	Algebra II & Trigonometry *	1.0	37	9-12
0714	Accelerated Algebra II/Precalculus*	1.0	37	10-11
0720	Statistics *	0.5	37	12
0721	Functions for College Math *	0.5	37	12
0722	Precalculus *	1.0	37	10-12

Course #	Course Title	Credits	Page	Grade
Math	***Course Descriptions begin on page 37***			
0724	AP Statistics *	1.0	38	10-12
0726	AP Calculus AB *	1.0	38	11-12
0728	AP Calculus BC *	1.0	38	11-12
1312	Digital Electronics (PLTW) *	1.0	38	10-12
Music	***Course Descriptions begin on page 38***			
0800	Entry Level Concert Band • White & Purple Bands (Memorial) * • Concert Band (North) *	1.0	38	9th MHS 9-12 NHS
0802	Intermediate Level Concert Band: Eagle Band (Memorial)	1.0	38	10-12
0804	Intermediate/Advanced Level Concert Band • Concert Band (Memorial) • Symphonic Band (North)	1.0	38	10-12 MHS 10-12 NHS
0806	Advanced Level Concert Band • Old Abe Wind Ensemble (Memorial) • Wind Ensemble (North)	1.0	38	10-12
0807	Entry Level Jazz (North)	1.0	39	9-12
0808	Entry Level Jazz: Jazz III Early Bird (Memorial)	0.5	39	9-12
0810	Intermediate Level Jazz: Jazz II (Memorial)	0.5	39	10-12
0812	Advanced Level Jazz: Jazz I	1.0	39	10-12
0814	Concert Orchestra	1.0	39	9-12
0815	Advanced Orchestra • Chamber Orchestra (Memorial) • Alternative Strings Ensemble (North)	0.5	39	9-12
0816	Entry Level Orchestra (Memorial)	0.5	39	9-12
0817	Orchestra Winds/Percussion Early Bird (Memorial)	0.5	39	9-12
0818	Advanced Level Symphony Orchestra	1.0	39	10-12
0820	Entry Level Choir: Treble Choir	1.0	40	9-12
0821	Entry Level Choir: Bass Choir (North)	1.0	40	9-12
0822	Mixed Choir (Memorial)	1.0	40	9-12
0824	Upper-Level Choir: Concert Choir	1.0	40	10-12
0826	Intermediate Level Show Choir (Memorial)	0.5	40	9-12
0828	Advanced Show Choir • Old Abe Show Choir (Memorial) • Northernaires (North)	0.5	40	9-12
0829	Advanced Chamber Choir (North)	0.5	40	9-12
0830	Advanced A Cappella Choir: Madrigals (Memorial)	0.5	40	11-12
0831	Musical Theater Choir (Memorial)	0.5	40	10-12
0836	AP Music Theory	1.0	40	10-12
Physical Education	***Course Descriptions begin on page 41***			
0900	Level I Physical Education: Pillars of Wellness	0.5	41	9
0902	Level II Physical Education: Physical Wellness *	0.5	41	10
0910	Early Bird WSI/LGT *	0.5	41	10-12
0912	Level I Early Bird: Pillars of Wellness	0.5	41	9
0914	Level II Early Bird: Physical Wellness *	0.5	41	10
0916	Level III Early Bird: Lifetime Fitness/Sport Education *	0.5	41	11
0918	Level III Physical Education: Competitive Sport Education *	0.5	41	11-12
0920	Level III Physical Education: Lifetime Fitness *	0.5	42	11-12
0924	Level III Strength and Conditioning I *	0.5	42	11-12
0926	Level III Strength and Conditioning II *	0.5	42	11-12
0928	Level IV Strength and Conditioning III *	0.5	42	12

Course #	Course Title	Credits	Page	Grade
Physical Education	***Course Descriptions begin on page 41***			
0906	Senior Physical Education	0.5	42	12
0952	Officiating	0.5	42	11-12
Science	***Course Descriptions begin on page 42***			
1100	Earth Science	0.5	42	9
1104	Astronomy/Geology *	0.5	42	9-12
1106	Biology	1.0	42	9-10
1114	Chemistry *	1.0	43	9-12
1118	Oceanography/Meteorology *	0.5	43	10-12
1120	Physics *	1.0	43	9-12
1126	AP Biology *	1.0	43	10-12
1128	Biotechnology *	0.5	43	11-12
1134	AP Chemistry *	1.0	43	10-12
1136	Environmental Science A *	0.5	43	10-12
1138	Environmental Science B *	0.5	43	10-12
1140	Introduction to Human Anatomy and Physiology *	0.5	43	10-12
1142	AP Physics C: Mechanics *	1.0	44	10-12
1324	Principles of Engineering (PLTW) *	1.0	44	10-12
Social Studies	***Course Descriptions begin on page 44.***			
1200	United States History	0.5	44	9
1202	AP United States History	1.0	44	10-12
1204	World Studies	1.0	44	10
1206	AP European History	1.0	44	10-12
1244	AP Human Geography	1.0	44	9-12
1208	United States Government	0.5	44	11
1210	AP United States Government and Politics	1.0	44	11-12
1214	Principles of Economics	0.5	45	12
1216	AP Macroeconomics	0.5	45	11-12
1218	Psychology	0.5	45	12
1220	AP Psychology	1.0	45	11-12
1222	Sociology/Social Issues	0.5	45	12
1226	Ancient and Medieval History	0.5	45	10-12
1228	Criminal Justice (TC)	0.75	45	9-12
1231	Introduction to Philosophy	0.5	45	9-12
1240	The Vietnam War	0.5	45	9-12
1246	Hmong History and Culture	0.5	45	9-12
Technology & Engineering	***Course Offerings begin on page 45***			
1306	Entertainment Technology	1.0	45	9-12
1309	Aerospace Engineering (PLTW)	1.0	45	10-12
1310	Introduction to Electricity and Residential Wiring	0.5	46	9-12
1312	Digital Electronics (PLTW) *	1.0	46	10-12
1318	Introduction to Engineering Design (PLTW)	1.0	46	9-12
1320	Civil Engineering and Architecture (PLTW)	1.0	46	10-12
1324	Principles of Engineering (PLTW) *	1.0	46	10-12
1328	Photography I	1.0	46	9-12
1330	Photography II *	1.0	46	10-12

Course #	Course Title	Credits	Page	Grade
Technology & Engineering	***Course Offerings begin on page 46***			
1332	Printing Graphics I	1.0	46	9-12
1334	Printing Graphics II *	0.5	46	10-12
1341	Metals/Welding I	1.0	46	9-12
1342	Welding II (TC) *	1.0	47	10-12
1346	Woodworking I	1.0	47	9-12
1348	Woodworking II (TC) *	1.25	47	10-12
1349	Construction	0.5	47	9-12
1352	Recreational Small Engines (TC)	0.5	47	9-12
1354	Vehicle Care	0.5	47	10-12
1356	Automotive Mechanics I (TC)	1.0	47	11-12
1358	Automotive Mechanics II * (TC)	1.0	47	12
1369	Introduction to Computer Hardware	0.5	47	9-12
1370	Computer Hardware	0.5	48	11-12
1378	Cartoon Animation	0.5	48	9-12
1382	Video Game Development	1.0	48	9-12
1386	Computer Science Essentials (PLTW)	1.0	48	9-12
World Languages	***Course Offerings begin on page 48***			
0500	French I	1.0	48	9-12
0502	French II *	1.0	48	9-12
0504	French III *	1.0	48	10-12
0506	French IV *	1.0	48	11-12
0508	French V * *(AP Exam available)*	1.0	48	12
0510	German I	1.0	48	9-12
0512	German II *	1.0	49	9-12
0514	German III *	1.0	49	10-12
0516	German IV *	1.0	49	11-12
0518	German V * *(AP Exam available)*	1.0	49	12
0520	Japanese I	1.0	49	9-12
0522	Japanese II *	1.0	49	10-12
0524	Japanese III *	1.0	49	11-12
0526	Japanese IV * *(AP Exam available)*	1.0	49	12
0528	Spanish I	1.0	49	9-12
0530	Spanish II *	1.0	49	9-12
0532	Spanish III *	1.0	49	10-12
0534	Spanish IV *	1.0	49	11-12
0536	Spanish V * *(AP Exam available)*	1.0	50	12
0538	American Sign Language I	1.0	50	9-12
0540	American Sign Language II *	1.0	50	10-12
0550	Hmong I	1.0	50	9-12
0552	Hmong II*	1.0	50	10-12

Key:

*	Course prerequisite—refer to course descriptions for more information
AP	Advanced Placement
PLTW	Project Lead the Way
TC	Transcripted Credit - please see course description for dual credit course titles

NOTE: 1.0 CVTC/University of Wisconsin credit = 0.25 ECASD high school credit

Agriculture and Natural Resources

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
0101	Intro to Agriculture	0.5	Grades 9-12	Elective
Introductory course designed to expose students to different aspects of the agriculture industry. Students will gain knowledge in animal science, plant science, hydroponics, food preservation, and FFA opportunities. Raising plants and animals in class will be part of the course.				
0102	Horticulture	0.75	Grades 9-12	Elective
Prerequisite: Intro to Agriculture Acquire fundamental knowledge of trees, fruits, vegetables, shrubs, and grass. Learn about plant science, which includes cells, plant classification, structures and propagation. Explore careers related to the landscape, plant and turf industries. *This course is transcripted with CVTC course 001-121 Intro to Horticulture & 001-122 Lab. 3.0 CVTC credits. See pg. 22.*				
0110	Small Animal Science	0.5	Grades 9-12	Elective
Prerequisite: Intro to Agriculture The goal of this course is designed to provide students with skills and concepts involved with the care and management of companion animals. Dogs, cats, and small animals will be discussed throughout the course. Attention will be given to basic care requirements, health, handling, and nutrition.				
0116	Wildlife Management	0.5	Grades 9-12	Elective
Prerequisite: Intro to Agriculture This course deals with the identification and management of wildlife. Some wildlife covered involves game birds, small and large game animals, fish and endangered species. Also covered includes taxidermy, regulations, hunting, trapping, and fishing. There is a potential to complete safety courses in those areas. You may be charged a minimal fee for additional projects based on the materials you choose.				

Youth Apprenticeship available in the area below. See pages 23 & 24 for more information

- ☐ Agriculture, Food, & Natural Resources

Art

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
0200	Combined Visual Arts	0.5	Grades 9-12	Elective
Whether you are a novice or an experienced art student, explore a variety of art forms, including drawing, painting, design, collage, and sculpture. This class focuses on creative ownership and problem-solving working with a wide variety of media. This is an excellent option if you would like to experience a taste of many kinds of art making!				
0202	Graphic Art I	0.5	Grades 9-12	Elective
Apply art to the commercial world of illustration, printmaking, typography, packaging design and more! Acquire experience in logo design, illustration, creative lettering and branding concepts using a variety of media. Learn how to create art for art's sake as well as realistic projects in a design profession using a desktop and iPad pro. Explore the realms of art & design and learn how to apply the two in this class.				
0204	Graphic Art II	0.5	Grades 9-12	Elective
Prerequisite: Graphic Art I Pursue advanced techniques in layout, typography, illustration, and packaging design. Projects may include logos, album covers, t-shirt designs, and more. This class focuses on how to create a design that communicates a specific message and has a purpose. Experience a variety of different projects and tasks that are geared toward a career in design.				
0206	Drawing I	0.5	Grades 9-12	Elective
Learn the fundamentals of drawing while establishing an excellent base for all other art courses. Practice basic concepts in observational drawing through still life objects, perspective, portraiture, figure drawing as well as abstraction. Experiment with a wide variety of art materials and techniques while focusing on composition and creative problem solving.				
0208	Drawing II	0.5	Grades 9-12	Elective
Prerequisite: Drawing I Build on your skill and experience in creative and observational drawing. Discover how to utilize the language of art to communicate your ideas and establish a style. Continue to apply more creative, experimental, and personal approaches to your work as well investigate a variety of two-dimensional media.				
0210	Jewelry/Sculpture I	0.5	Grades 9-12	Elective
Learn how to create original jewelry and sculpture. Design jewelry using sterling silver, brass, copper and nickel silver. Craft sculptures from wood, soapstone, plaster, and papier-mâché. You may be charged a minimal fee for additional projects based on the materials you choose.				
0212	Jewelry/Sculpture II	0.5	Grades 9-12	Elective
Prerequisite: Jewelry/Sculpture I Produce quality original jewelry and sculpture while focusing on superior design. Develop advanced jewelry techniques and design concepts. Create sculptures exploring advanced materials. You may be charged a minimal fee for additional projects based on the materials you choose.				

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
0214	Painting I	0.5	Grades 9-12	Elective
Learn how to paint from observation while exploring the foundations of acrylic and watercolor paints. Experience the importance of observation, color theory, form, and the use of a strong composition in creating a successful painting. Build on ideas based off observational still life, surrealism, abstraction, illustration and more.				
0216	Painting II	0.5	Grades 9-12	Elective
Prerequisite: Painting I Build on your skill and experience in watercolor and acrylic paint. Discover how to utilize the language of art to communicate your ideas and establish a painting style. Continue to apply more creative, experimental, and personal approaches to your work as well as investigate a variety of media and techniques.				
0218	Pottery/Sculpture I	0.5	Grades 9-12	Elective
Produce pottery and sculpture while learning to "throw" on the potter's wheel. Practice a variety of hand-building techniques using clay, plaster, papier-mâché, wire, wood and more to create three-dimensional works of art. You may be charged a minimal fee for additional projects based on the materials you choose.				
0220	Pottery/Sculpture II	0.5	Grades 9-12	Elective
Prerequisite: Pottery/Sculpture I Focus on quality and design in this more in-depth study of pottery and sculpture. Develop more advanced techniques of hand building, wheel throwing, and sculpture using a wide range of advanced sculptural materials. You may be charged a minimal fee for additional projects based on the materials you choose.				
0226	Advanced 3D Art I	0.5	Grades 11-12	Elective
Prerequisites: Jewelry/Sculpture I and II, Pottery/Sculpture I and II, and one other high school art course As a highly motivated and experienced art student, you will create advanced three-dimensional original work in this self-directed course. Display and present your artwork at the end of the course. You may be charged a minimal fee for additional projects based on the materials you choose.				
0228	Advanced 3D Art II	0.5	Grade 11-12	Elective
Prerequisite: Three-Dimensional Specialized Art I An opportunity to continue developing your advanced techniques as an experienced, self-directed artist. You may be charged a minimal fee for additional projects based on the materials you choose.				
0236	AP Studio Art: Drawing	1.0	Grades 11-12	Elective
Prerequisites: Drawing I, Drawing II, Painting I, or teacher approval Explore drawing issues including line quality, light and shade, rendering of form, composition, surface manipulation, the illusion of depth and mark-making through a variety of means, such as painting, printmaking, or mixed media. Develop technical skills and familiarize yourself with the functions of visual elements as you create an individual portfolio of work for evaluation at the end of the course. *Advanced Placement courses provide an opportunity to earn college credit.* *See chart on page 11.*				
0238	AP Studio Art: 3-D Design	1.0	Grades 11-12	Elective
Prerequisites: Jewelry/Sculpture I, Pottery/Sculpture I, Pottery/Sculpture II, or teacher approval Students will apply and enhance their existing knowledge of the elements and principles of art and design as they relate to the integration of depth and space, volume and surfaces in three-dimensional art. Students' portfolios demonstrate skills and ideas developed, refined, and applied throughout the course to produce meaningful unique 3-D compositions. Ceramic, Metal, and other sculptural mediums will be used in this course. *Advanced placement courses provide an opportunity to earn college credit.* *See chart on page 21.*				
1328	Photography I	1.0	Grades 9-12	Elective
Photography is part of our everyday life! Learn what it takes to take a great photograph through the fundamentals of camera operation, the art of composition and digital manipulation. Utilize Adobe Photoshop to enhance your photos and various techniques to display them including matte cutting, dry mounting, framing, button making and sublimation. Explore studio work, motion photography, advanced composition, various camera modes, and video. *Additional amounts may be charged for approved resale materials (for example, to pay for a special project).*				
1330	Photography II	1.0	Grades 10-12	Elective
Prerequisite: Photography I Enhance all the techniques learned in Photography I in addition to new skills including advanced studio work, lighting, matte cutting, dry mounting, dye-sublimation, and drone photography. Work more with Adobe Photoshop and other video editing software programs to make better photographs and videos. Build your own website to publish your work showing the world what you can do. Additional amounts may be charged for approved resale materials (for example, to pay for a special project).				
0308	Yearbook	1.0	Grades 9-12	Elective
This is a cross-curricular, project-based class where students design, write, create, and distribute the yearbook. Students need to work collaboratively and think critically to meet deadlines, track goals, and utilize multimedia to market and disseminate information that models an actual business. The course requires a high level of self-initiative and organizational skills.				

Art/Theatre

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
0628	Theatre I	0.5	Grades 9-12	Elective
Engage in the art of acting by rehearsing and performing daily in class. Understand the language of the stage. Learn to analyze and interpret play text and roles. Memorize lines, work individually and in groups as you come to understand the importance of theatre in society.				
0630	Theatre II	0.5	Grades 9-12	Elective
Prerequisite: Theatre I Develop your directing skills as you take creative control of your own performances. While working with your peers, organize, plan, and give constructive feedback to actors as well as implement your own design concepts. Become an efficient and creative leader. Develop communication and organizational skills giving you the confidence and tools necessary to create dynamic performances.				
0632	Theatre III	0.5	Grades 10-12	Elective
Prerequisite: Theatre II Function as part of a production company as you rehearse and perform a play. Working in both performance and technical roles is required. Collaborate with local theatre companies and universities to prepare for post-secondary work in the theatre field.				
0638	Documentary Theatre	0.5	Grades 10-12	Elective
Prerequisites: Theatre I or Instructor Approval An opportunity to write, act, direct and promote original productions in addition to engaging in academic research as well as developing and leading workshops. Learn about real people from current world events, conduct interviews and create performance pieces in the aim of social justice, empathy, and activism. Increase cultural awareness, language acquisition, and the 4 C's stressed daily: Collaboration, Creativity, Critical Thinking and Communication. This course involves collaboration with UWEC theatre department.				

Business, Marketing, & Information Technology

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
0302	Accounting I	0.75	Grades 10-12	Elective
This college-level course will expand your accounting knowledge whether you are planning a business career, pursuing a business-related degree, or for personal benefit. Utilize a computerized accounting workbook and Excel spreadsheets. A college accounting textbook is used in this course to prepare you for business courses at the post-secondary level. Chippewa Valley Technical College *This course is transcripted with CVTC course 101-105, Intro to Accounting, 3.0 CVTC credits. See chart on page 22.*				
0303	Accounting II	1.0	Grades 11-12	Elective
A college-level accounting course to develop a more in-depth understanding of the fundamental and theoretical concepts as they relate to income, financial firms, and corporate accounting. Improve your Excel spreadsheet skills with hands-on activities. Chippewa Valley Technical College *This course is transcripted with CVTC course 101-111, Accounting I, 4.0 CVTC credits. See chart on page 21-22.*				
0304	Microsoft Office Suite	0.5	Grades 9-12	Elective
Equip yourself with essential computer software skills to assist you through high school and beyond! Prepare for real world demands by developing technological proficiency in Windows, and Microsoft Office Excel, Word, PowerPoint, and Access. Chippewa Valley Technical College *This course is transcripted with CVTC course 103-102, Microsoft Office Suite, 2.0 CVTC credits. See chart on page 21-22.*				
0308	Yearbook	1.0	Grades 9-12	Elective
This is a cross-curricular, project-based class where students design, write, create, and distribute the yearbook. Students need to work collaboratively and think critically to meet deadlines, track goals, and utilize multimedia to market and disseminate information that models an actual business. The course requires a high level of self-initiative and organizational skills.				
0318	Entrepreneurship	0.75	Grades 9-12	Elective
Learn the fundamentals of what it takes to be a successful business owner. Learn about businesses minded personality traits, discuss business plans, and learn about famous entrepreneurs and major businesses. Grasp high level foundational concepts related to marketing, finance, and management. Explore the possibilities of being your own boss and building an empire. Chippewa Valley Technical College *This course is transcripted with CVTC course 102-130, Innovative Business Mindset, 3.0 CVTC credits. See chart on page 21-22.*				
0322	Marketing I	1.0	Grades 9-12	Elective
Learn how a business promotes, manages, merchandises, buys, sells, and distributes its product. Classroom activities will get you involved in discussions, field trips, group projects, and the school store. DECA activities include labs, conferences, trips, social events, and workshops. Explore the many careers in marketing. Chippewa Valley Technical College *This course is transcripted with CVTC course 104-102, Marketing Principles, 3.0 CVTC credits. See chart on page 21-22.*				

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
0324	Marketing II	1.0	Grade 10-12	Elective
Prerequisite: Marketing I Advertising consists of communication activities that inform potential consumers about goods, services, images or ideas to achieve the desired outcome. Elements of the Promotional Mix: advertising, personal selling, publicity, direct marketing, and sales promotion are covered in detail. The course includes an introduction of creative elements in advertising. *This course is transcripted with CVTC course 104-125, Advertising, 3.0 CVTC credits. See chart on page 21-22.*				
0326	Sports & Entertainment Marketing	0.5	Grades 10-12	Elective
Prerequisite: Marketing I Apply marketing concepts to the sports and entertainment industries. Topics include orientation to the sports and entertainment industries, decision-making, event marketing, sponsorships, endorsement, sales and sales promotions, event executions, and career opportunities.				
0328	Personal Finance	0.75	Grades 11-12	Elective
Learn the lifetime skill of money management. Create a budget. Use a checkbook. Manage a savings account. Complete tax forms. Apply for a loan. Insure your car. Test Drive sponsored by RCU and CVTC. *This course is transcripted with CVTC course 114-134, Finance, 3.0 credits. See chart on page 21-22.*				
0330	Business Law	0.5	Grades 11-12	Elective
This course provides a practical understanding of the impact of law as it relates to businesses and business owners. Through case studies, discussions, and practical exercises, students will develop an understanding of the legal system, employment law, contracts, property, and ethics. By the end of the course, students will be equipped with the knowledge to navigate basic legal challenges in the business world and make informed decisions.				
0340	Introduction to Business	0.75	Grades 9-12	Elective
This course explores the four key managerial functions: planning, organizing, leading, and controlling. Learners gain personal insights through assessments and feedback, while learning to apply theoretical concepts to their potential managerial practices. The course emphasizes global applicability, preparing learners for diverse leadership roles. *This course is transcripted with CVTC course 10-102-112 Principles of Management 3.0 credits. See chart on pg. 21-22.*				
0341	Business Concepts	0.5	Grades 10-12	Elective
An exploration of the business environment, marketing, human resources, and accounting. This course gives a basic overview of the main ideas and practices that make businesses work. By the end of the course students will learn how these key areas interact and help businesses succeed.				

Youth Apprenticeships available in the areas below. See pages 23 & 24 for more information.

- ☐ Finance
- ☐ Marketing
- ☐ Business Administration
- ☐ Information Technology

Family and Consumer Sciences

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
0400	Health Science Occupations	0.5	Grades 9-12	Elective
An opportunity for you to investigate careers in the health industry. Become familiar with the 200+ job and career possibilities in the health care field. In addition to career exploration, study medical terminology, physiology and anatomy, disease processes, interpersonal skills, and current health issues. Explore career possibilities including Nursing, Physician, Pharmacy, Dentistry, Social Work, Chiropractic, Psychology Education, Emergency Services, Geriatrics, Immunology, Audiology, Home Health care, Biomedical Technician, and Lab Technician.				
0440	Medical Terminology	0.75	Grades 10-12	Elective
Get a head start in your health care career by learning the terminology used in the field every day. Learn medical terms and abbreviations related to each body system, and different diseases and disorders. *This course is transcripted with CVTC course 501-101, Medical Terminology, 3.0 CVTC credits. See chart on page 21-22.*				
0416	Culinary Arts I	0.5	Grades 9-12	Elective
Combine culinary arts and management skills in a professional commercial laboratory setting. Learn teamwork concepts, work ethic, and safety and sanitation. Apply principles of food preparation with hands-on learning in topics including stocks, sauces, soups, fruits, vegetables, potatoes, legumes and grains, quick breads, cookies, and cheese using the industry based ServSafe and Prostart curriculums.				

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
0418	Culinary Arts II	0.5	Grades 9-12	Elective
Prerequisite: Culinary Arts I An opportunity to further explore your culinary arts and management skills in a professional commercial laboratory setting. Apply principles of food preparation through units in breakfast foods, appetizers, beef, pork, fish and seafood, poultry, sandwiches, and salads and salad dressings using the industry based ServSafe and Prostart curriculums.				
0414	Baking and Pastry Arts	0.5	Grades 9-12	Elective
Prerequisite: Culinary Arts I Prepare for successful careers as baking and pastry professionals by building a foundation of principles and skills and then using those principles and skills in specific applications and recipes. Prepare a wide array of baked goods, pastries, and confections. Explore gluten-free baking, recipe planning and preparation, and altering and preparing recipes to address other allergies/dietary restrictions.				
0430	World Cuisines	0.5	Grades 9-12	Elective
Prerequisite: Culinary Arts I Knowledge and understanding of cuisine are an important part in understanding the culture of people. Focus on food needs, habits, and cuisines around the world. Personal food habits as well as the food habits of people in other parts of the world have been influenced by cultural beliefs and values, religion, climate, regional location, agriculture, technology, and economic status. Learn how food habits vary from country to country as well as from region to region within a country.				
0420	Your Skills, Your Finances, and Your Future	0.5	Grades 9-12	Elective
Identify personal skills and abilities to make decisions about your future. Explore personal development, relationship skills, careers, managing finances, and consumerism. Learn the necessary skills for living independently through various hands-on activities and experiences.				
0424	Parents and Children	0.75	Grades 9-12	Elective
A focus on the responsibilities and personal interactions between adults and children. In an ever-changing world, the parent/child relationship is complex and greatly influenced by family, community, and society. Nurturance, responsibility, empathy, practical reasoning, community, and societal action are key concepts. This course is appropriate for students entering career fields in education, sociology, psychology, family and consumer sciences, and childcare careers; as well as for personal growth and understanding. This course is a prerequisite for Careers with Children (ACCT). *This course is transcripted with CVTC course 307-151, Infant and Toddler Development, 3.0 CVTC credits.* *See chart on page 21-22*.				
0426	Careers with Children	0.75	Grades 11-12	Elective
Prerequisite: Parents and Children *Requirement: Enrollment is limited to students who are 17 years of age or turn 17 during the course.* Quality childcare has become a major concern of parents, school, and industry. This course is for students interested in beginning a career working with young children as well as for increasing knowledge and skills in child development. Units include the childcare environment, guiding children, establishing positive occupational relationships, professional development, food and nutrition for children, health and safety, classroom activities/curriculum, and special needs. Certification is reserved for students who successfully complete this course with a "C" or better and who have a minimum of 85% attendance. Earn the Wisconsin Department of Public Instruction Assistant Childcare Teacher certificate making you eligible to work in any licensed childcare center at age 17. Ten hours of job shadowing in community childcare facilities are required. CPR and First Aid certification are encouraged. *This course is transcripted with CVTC course 307-148, Foundations of Early Childhood, 3.0 CVTC credits.* *See chart on page 21-22*.				
0428	Fashion, Fabrics & Construction	0.5	Grades 9-12	Elective
Learn all about fashion and the fashion industry. Study elements and principles of design and textiles, and how they relate to the fashion industry. Other topics include the history of clothing and fashion, current trends and influences, fashion designers, fashion merchandising and marketing, and careers related to the fashion industry. Construct a variety of projects that reflect the technical skills recommended for the fashion industry.				
0429	Housing and Interior Design	0.5	Grades 9-12	Elective
Learn about the housing and interior design industry including elements and principles of design, and how textiles relate to the industry. Explore the history of housing, home styles, current trends and influences, the housing market, and related careers. Design and construct various projects including scale floor plans, furniture arrangements, and a client-directed design project.				
0408	FACS Co-op	1.0	Grade 12	Elective
Prerequisite: Parents and Children AND Careers with Children FACS Co-op is a work-based learning program that provides opportunities for students to work in a childcare center while working toward the completion of the Child Care Teacher Skills Certificate. Students need to have received the ACCT Certificate in Careers with Kids to be eligible for the Co-op.				

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
1740	Introduction to Teacher Education	0.75	Grades 10-12	Elective
Are you thinking about becoming a teacher or working in the education field? Learn about the historical, social, and philosophical foundations of education. Study careers in the field of education and participate in a variety of learning experiences. *This course is transcripted with CVTC course 522-103, EDU: Intro to Education Practices, 3.0 CVTC credits. See chart on page 21-22.*				

Youth Apprenticeships available in the areas below. See pages 23 & 24 for more information.

- ☐ Health Science
- ☐ Hospitality & Tourism

Health

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
1000	Health 9	0.5	Grade 9	Required
Understand the importance of physical, emotional, social, and mental wellness. Learn how to think critically while making decisions that will affect your life today and in the future.				

Independent Programs

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
1700	Library Assistant	0.5	Grades 10-12	Elective
Learn about library operations and services! Practice customer service, book and IMC promotions, materials access, operations of MS Office Suite, inventory management software, and advanced database usage. Identify genres and current trends in Young Adult literature. Good reading comprehension, problem solving skills, and communication skills are desirable.				
1740	Introduction to Teacher Education	0.75	Grades 10-12	Elective
Are you thinking about becoming a teacher or working in the education field? Learn about the historical, social, and philosophical foundations of education. Study careers in the field of education and participate in a variety of learning experiences. *This course is transcripted with CVTC course 522-103, EDU: Intro to Education Practices, 3.0 CVTC credits. See chart on page 21-22.*				

Language Arts

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
0600	English 9	1.0	Grade 9	Fulfills Requirement
Explore literary genres and classics. Use the writing process to produce stories, descriptions, essays and poems. Develop speaking and listening skills.				
0604	English 10	1.0	Grade 10	Fulfills Requirement
Study novels, plays, poetry, short stories, and non-fiction while utilizing your communication skills, especially writing.				
0608	English 11	1.0	Grade 11	Fulfills Requirement
Engage in the close reading of fiction and non-fiction, conduct research using a variety of sources, write for multiple purposes, and improve your speaking and listening skills.				
0614	English 12	1.0	Grade 12	Fulfills Requirement
Prepare for post-secondary opportunities and acquire important 21st Century Skills as you build toward a culminating Capstone project, which is required for completion of this course. The Capstone project incorporates all the language arts: reading, writing, media, research, speaking and listening.				
0616	AP English Language & Composition	1.0	Grades 11-12	Fulfills Requirement
Critically analyze and interpret complex texts as you work to understand the interactions among language, a writer's purpose, audience, subject, and genre and how each of these contributes to effective writing. Develop and enhance your own writing skills and understand better each stage of the writing process as you develop expository, analytical, and argumentative compositions. It is recommended that you take this course before taking AP English Literature and Composition. *Advanced Placement courses provide an opportunity to earn college credit. See chart on page 21-22.*				

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
0618	AP English Literature & Composition	1.0	Grades 11-12	Fulfills Requirement
Learn to analyze and interpret imaginative literature through the careful reading and critical analysis of representative works from various genres and periods as you explore literary elements such as a work's structure, style and themes, as well as the use of figurative language, imagery, symbolism and tone. Develop your writing skills as you express your ideas and analysis in expository, analytical, and argumentative essays. It is recommended that you take this course after taking AP English Language and Composition. *Advanced Placement courses provide an opportunity to earn college credit.* *See chart on page 21-22.*				
0619	Grammar and Usage	0.5	Grades 10-12	Elective
Improve your scores on college entrance exams by improving your grammatical knowledge and quality of writing. Apply a formal study of English grammar, usage, and syntax to your writing.				
0624	Myths & Legends from Around the World	0.5	Grades 10-12	Elective
Read ancient literature and explore creation myths, epics, tragedies, histories, and comedies from the ancient world.				
0626	Writing with Style	0.5	Grades 11-12	Elective
Focus on your creative, critical, and personal writing skills in both an individual and workshop setting to produce high quality, original writing. You will be required to submit some of your writing for publication!				
0308	Yearbook	1.0	Grades 9-12	Elective
This is a cross-curricular, project-based class where students design, write, create, and distribute the yearbook. Students need to work collaboratively and think critically to meet deadlines, track goals, and utilize multimedia to market and disseminate information that models an actual business. The course requires a high level of self-initiative and organizational skills.				

Math

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
0700	Algebra I	1.0	Grades 9-12	Fulfills Requirement
Develop solid algebra skills to create a foundation for future math courses. Become proficient with linear equations, linear systems, exponents, and inequalities using critical thinking.				
0708	Geometry	1.0	Grades 9-12	Fulfills Requirement
Prerequisite: Algebra I Learn solid geometry and concepts of a plane. Algebraic concepts are integrated throughout this study of mathematical proofs, polygons, circles, similarity, transformations, areas and volumes, trigonometry, probability, and constructions.				
0716	Algebra II & Trigonometry	1.0	Grades 9-12	Fulfills Requirement
Prerequisite: Geometry Solve equations and systems of equations while studying a variety of functions: logarithmic, trigonometric, and polynomial functions. You are required to purchase or check-out any TI-84 graphing calculator for this class.				
0714	Accelerated Algebra II/Precalculus	1.0	Grades 10-11	Fulfills Requirement
Prerequisite: Geometry *Teacher Recommendation Required to Register* If you are passionate about math and want to accelerate your math pathway to reach Calculus BC, this rigorous course can meet that need. Pacing will be accelerated as all the required topics for Algebra 2 and Precalculus will be compacted to one year instead of two. Topics covered include transformation of graphs, equivalent forms, solving equations and inequalities, piecewise functions, trigonometry, area under a curve, logarithms, exponentials, limits, rates of change, and basic derivatives.				
0720	Statistics	0.5	Grade 12	Fulfills Requirement
Prerequisite: Algebra II, Algebra II & Trigonometry Explore the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Take AP Statistics (0724) if you plan to take the AP Statistics exam.				
0721	Functions for College Math	0.5	Grade 12	Fulfills Requirement
Prerequisite: Algebra II, Algebra II & Trigonometry Learn functions, trigonometry, and discrete math topics with an emphasis on mathematical models. By participating in activities, you will make connections to areas both within and outside of mathematics. Develop your ability to communicate mathematical ideas to individuals at various levels.				
0722	Precalculus	1.0	Grades 10-12	Fulfills Requirement
Prerequisite: Algebra II & Trigonometry Extend your understanding of mathematics and its applications through a combined study of advanced algebra, trigonometry, analytic geometry, sequences and series, area under the curve, and limits. You are required to purchase or check-out any TI-84 graphing calculator for this class.				

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
0724	AP Statistics	1.0	Grades 10-12	Fulfills Requirement
Prerequisite: Algebra II & Trigonometry Learn about the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Develop analytical and critical thinking skills as you learn to describe data patterns and departures from patterns, plan and conduct studies, use probability and simulation to explore random phenomena, estimate population parameters, test hypotheses, and make statistical inferences. *Advanced Placement courses provide an opportunity to earn college credit. See chart on page 21-22.*				
0726	AP Calculus AB	1.0	Grades 11-12	Fulfills Requirement
Prerequisite: Precalculus or Accelerated Algebra II/PreCalculus Explore the key concepts, methods, and applications of single-variable calculus including functions, graphs, limits, derivatives, integrals, and the Fundamental Theorem of Calculus. Become familiar with concepts, results, and problems expressed in multiple ways including graphically, numerically, analytically, and verbally. Use technology to help solve problems, experiment, interpret results, and support your conclusions. *Advanced Placement courses provide an opportunity to earn college credit. See chart on page 21-22.*				
0728	AP Calculus BC	1.0	Grades 11-12	Fulfills Requirement
Prerequisite: AP Calculus AB Explore the key concepts, methods, and applications of single-variable calculus including all topics covered in AP Calculus AB (functions, graphs, limits, derivatives, integrals, and the Fundamental Theorem of Calculus) as well as additional topics in differential and integral calculus, such as parametric, polar and vector functions, and series. Become familiar with concepts, results, and problems expressed in multiple ways including graphically, numerically, analytically, and verbally. Use technology to help solve problems, experiment, interpret results, and support your conclusions. *Advanced Placement courses provide an opportunity to earn college credit. See chart on page 21-22.*				
1312	Digital Electronics	1.0	Grades 10-12	Fulfills Requirement
Prerequisite or concurrent enrollment: Algebra II or Algebra II & Trigonometry From smart phones to appliances, digital circuits are all around us. Develop a foundation in electrical engineering, electronics, or circuit design. Study topics such as combinational and sequential logic and explore circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices. *This is a Project Lead the Way (PLTW) course, a national college pre-engineering program. See chart on page 12.*				

Music - Band

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
0800	Entry Level Concert Band Memorial: Purple & White Bands North: Concert Band	1.0	Grades 9	Elective
Prerequisite: Previous band, orchestra, or piano experience A foundational focus on symphonic band repertoire. March in the marching band, perform in the concert band while honing skills necessary for young musicians.				
0802	Intermediate Level Concert Band Memorial ONLY: Eagle Band	1.0	Grades 10-12	Elective
With an emphasis on the symphonic band repertoire, perform in several concerts and one contest each year, as well as at parades and the homecoming game.				
0804	Intermediate/Adv Level Concert Band Memorial: Concert Band North: Symphonic Band	1.0	Grades 10-12	Elective
Qualification through spring auditions A continued focus on symphonic band repertoire. March in the marching band, perform in the concert band while continuing study of skills necessary for advancing musicians.				
0806	Advanced Level Concert Band Memorial: Old Abe Wind Ensemble North: Wind Ensemble	1.0	Grades 10-12	Elective
Qualification through spring auditions A continued focus on symphonic band repertoire. March in the marching band, perform in the concert band while continuing skills necessary for advanced student musicians.				

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
0807	Entry Level Jazz: North ONLY	1.0	Grades 9-12	Elective
Concurrent Enrollment: Band or Orchestra Build a foundation as a jazz musician with this introduction to a variety of jazz styles including improvisation. Perform in fall and spring concerts, and jazz festivals. The goal of this course is to expose students to jazz style, improvisation, and prepare students for the lab jazz ensemble.				
0808	Entry Level Jazz: Jazz III Memorial ONLY: Early Bird Every Other Day	0.5	Grades 9-12	Elective
Concurrent Enrollment: Band or Orchestra Build a foundation as a jazz musician with this introduction to a variety of jazz styles including improvisation. Perform in fall and spring concerts, and jazz festivals. The goal of this course is to expose students to jazz style, improvisation, and prepare students for the lab jazz ensemble.				
0810	Intermediate Level Jazz: Jazz II (Memorial)	0.5	Grades 10-12	Elective
Qualification through spring auditions *Concurrent Enrollment: Band or Orchestra (except for the guitar)* A continued focus on intermediate jazz techniques like performing in a big band and improvising. Perform in fall and spring concerts, jazz festivals and big band bash. The goal of this course is to prepare students for Advanced Level Jazz: Jazz I. Meet on alternating days for the entire school year opposite a study hall.				
0812	Advanced Level Jazz: Jazz I	1.0	Grades 10-12	Elective
Qualification through spring auditions *Concurrent Enrollment: Band or Orchestra (except for the guitar)* A continued focus on advanced jazz techniques, advanced jazz literature, and advanced improvisation. Perform at a variety of local, regional, and possibly national concerts/festivals/venues.				

Music - Orchestra

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
0814	Concert Orchestra	1.0	Grades 9-12	Elective
Prerequisite: Previous string experience Any high school string student can take this course! You will continue to develop foundational music skills on stringed instruments through practice and performance.				
0815	Advanced Orchestra Memorial: Chamber Orchestra (Early Bird-every other day) North: Alternative Strings Ensemble (every other day)	0.5	Grades 9-12	Elective
Qualification through spring auditions and/or consent of the instructor These students will perform outside of school and audition for state and national events.				
0816	Entry Level Orchestra Memorial ONLY	0.5	Grades 9-12	Elective
Any high school string student can take this course! Play with Concert Orchestra every other day. Meet on alternating days for the entire school year opposite a study hall.				
0817	Orchestra Winds/Percussion Memorial ONLY: Early Bird	0.5	Grades 9-12	Elective
Qualification through spring auditions and/or consent of the instructor This class meets every other day during Early Bird. These students will perform with the Advanced Level Orchestra. This class is for advanced wind and percussion players. Develop your soloist, classical music techniques.				
0818	Advanced Level Orchestra: Symphony	1.0	Grades 10-12	Elective
Qualification through spring auditions and/or consent of the instructor This ensemble repertoire includes string and symphonic orchestral selections. Continue to develop foundational and advanced music skills on stringed instruments through practice and performance.				

Music - Vocal

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
0820	Entry Level Choir: Treble Choir	1.0	Grades 9-12	Elective
Be part of an entry level large group singing experience and perform at concerts, contests, and community events.				
0821	Entry Level Choir: Bass Choir (North Only)	1.0	Grades 9-12	Elective
Be part of an entry level large group singing experience and perform at concerts, contests, and community events.				
0822	Mixed Choir Memorial ONLY	1.0	Grades 9-12	Elective
Be part of an intermediate level choir made up of 9-12 grade basses/tenors and 10-12 grade sopranos/altos and perform at concerts, competitions, and community events.				
0824	Upper-Level Choir: Concert Choir	1.0	Grades 10-12	Elective
Qualification through spring auditions and/or consent of the instructor Be part of an upper-level choir made up of experienced singers. Perform at concerts, competitions, and community events as an advanced choir.				
0826	Intermediate Level Show Choir: Memorial: Eagle Show Choir	0.5	Grades 9-12	Elective
Qualification through spring auditions and/or consent of the instructor Gain experience and develop a foundation for show choir skills. Learn how to sing and dance to pop songs for a semester of fun and growth.				
0828	Advanced Show Choir Memorial: Old Abe Show Choir North: Northernaires Course meets every other day	0.5	Grades 9-12	Elective
Qualification through spring auditions and/or consent of the instructor Participate in a high energy, entertaining, musical performing group. Experienced performers participate in advanced-level singing and dancing to popular music at concerts, contests, exhibitions, and community functions. You are required to purchase a uniform as part of this performing choir. • *Memorial concurrent enrollment: Madrigals AND either Mixed or Concert Choir. Meet on alternating days for the entire school year opposite a study hall.* • *North concurrent enrollment: Any additional choir class.*				
0829	Advanced Chamber Choir North ONLY: Every Other Day	0.5	Grades 9-12	Elective
Qualification through spring auditions and/or consent of the instructor Perform vocal jazz, madrigals, and contemporary a cappella music at concerts, contests, exhibitions, and community events. You are required to purchase a uniform as part of this performing choir.				
0830	Advanced A Cappella Choir: Madrigals Year Memorial ONLY: Every Other Day	0.5	Grades 11-12	Elective
Qualification through spring auditions and/or consent of the instructor *Concurrent Enrollment: Concert Choir and Old Abe Show Choir* Perform music from the 14-18th centuries in a Madrigal style, as well as popular music and songs in the vocal jazz style at concerts, contests, exhibitions, and community events. You are required to purchase a uniform as part of this performing choir.				
0831	Musical Theater Choir Memorial ONLY	0.5	Grades 10-12	Elective
Students will learn about and explore the musical theater genre by preparing audition songs as well as a musical theater performance which will include large group, small group, and solo opportunities culminating in a final performance. The musical theater material and songs covered in this class will change each semester to fit the needs of the specific group of students, so students are welcome to take this class more than once, just like other performing ensemble courses.				
0836	AP Music Theory	1.0	Grades 10-12	Elective
Learn to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. Develop your aural, sight-singing, written, compositional, and analytical skills through a series of listening, performance, written, creative, and analytical exercises. *Advanced Placement courses provide an opportunity to earn college credit.* *See chart on page 21-22.*				

.

Physical Education

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
0900	**Level I Physical Education -Pillars of Wellness**	**0.5**	**Grade 9**	**Fulfills Requirement**
Engage in a variety of moderate to vigorous physical activities to promote lifelong health and wellness with an emphasis on basic skills and activities that allow you to maintain a health-enhancing level of fitness throughout your life. Learn the benefits that regular exercise can provide for mental, physical, social, and emotional health. Learning experiences will include invasion games, net/wall games, striking/fielding games, aquatics, dance, strength and conditioning, and fitness.				
0902	**Level II Physical Education - Physical Wellness**	**0.5**	**Grade 10 Recommended**	**Fulfills Requirement**
Prerequisite: Level I Physical Education Obtain the knowledge and skills necessary to develop and maintain a health-enhancing level of fitness and increase your physical competence, self-esteem, and motivation to pursue lifelong physical activity. Extend your understanding of the components of health-related fitness, training principles, and the benefits of regular physical activity. Participate in activities that will increase your physical fitness levels and develop health and wellness practices that value physical activity and its contribution to lifelong fitness. Topics including wellness, health-related physical fitness, fitness terminology, training principles, components of fitness, fitness assessments, goal setting, benefits of fitness, and diet and nutrition will also be incorporated into this class.				
0910	**WSI/LGT Early Bird - Semester 2 ONLY**	**0.5**	**Grades 10-12**	**Fulfills Requirement**
Prerequisite: Level II Physical Education *You must turn 16 before the end of the course and have an above average swimming ability.* Become a certified lifeguard and swimming instructor! By the end of this course, you will have had the opportunity to earn certification in WSI, LGT, CPR, and first aid.				
0912	**Level I Early Bird**	**0.5**	**Grade 9 Recommended**	**Fulfills Requirement**
For the early riser! Engage in a variety of moderate to vigorous physical activities to promote lifelong health and wellness with an emphasis on basic skills and activities that allow you to maintain a health-enhancing level of fitness throughout your life. Learn the benefits that regular exercise can provide for mental, physical, social, and emotional health. Learning experiences will include invasion games, net/wall games, striking/fielding games, aquatics, dance, strength and conditioning, and fitness.				
0914	**Level II Early Bird**	**0.5**	**Grade 10 Recommended**	**Fulfills Requirement**
Prerequisite: Level I Physical Education For the early riser! Obtain the knowledge and skills necessary to develop and maintain a health-enhancing level of fitness and increase your physical competence, self-esteem, and motivation to pursue lifelong physical activity. Extend your understanding of the components of health-related fitness, training principles, and the benefits of regular physical activity. Participate in activities that will increase your physical fitness levels and develop health and wellness practices that value physical activity and its contribution to lifelong fitness. Topics including wellness, health-related physical fitness, fitness terminology, training principles, components of fitness, fitness assessments, goal setting, benefits of fitness, and diet and nutrition will also be incorporated into this class.				
0916	**Level III Early Bird**	**0.5**	**Grade 11 Recommended**	**Fulfills Requirement**
Prerequisite: Level II Physical Education For the early riser! Both Level III classes are combined to focus on developing your comprehensive knowledge of fitness through various learning experiences while incorporating authentic and enjoyable competitive sport experiences.				
0918	**Level III Physical Education: Competitive Sport**	**0.5**	**Grade 11 Recommended**	**Fulfills Requirement**
Prerequisite: Level II Physical Education A competitive, student-driven class that provides authentic and enjoyable sport experiences. The three major goals of Sport Education are for you to become competent, literate, and enthusiastic players. Participate as members of teams in various competitive sports seasons taking an active role in your own sport experience. Serve in varied and realistic roles seen in authentic sport settings including captains, coaches, trainers, statisticians, officials, publicists, and members of a sports council. Your teams will develop camaraderie through team uniforms, names, and cheers as you work together to learn and develop skill and tactical play.				

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
0920	Level III Physical Education: Lifetime Fitness	0.5	Grade 11 Recommended	Fulfills Requirement
Prerequisite: Level II Physical Education Lifetime Fitness is designed for you if you are a student who wishes to participate in physical activities than can generally be pursued throughout your lifetime. Develop comprehensive knowledge of fitness through experiences that include archery, biking, group aerobic fitness, net/wall activities, outdoor pursuits, strength training, yoga, Pilates, target games and other functional movement activities. Emphasis will be more on your development of a spirit of cooperation and good sportsmanship than on fostering a sense of competition. The goal of this class is to increase your ability to become a lifetime participant in physical activity.				
0924	Level III Physical Education: Strength and Conditioning I	0.5	Grades 11-12	Fulfills Requirement
Prerequisite: Level II Physical Education Develop your strength and performance. Apply both fundamental and advanced techniques to resistance training and functional fitness concepts to improve your power and agility. In addition, movements and exercises will be designed to prevent injury. The course is designed to accommodate your individual training needs. Themes of nutrition, healthy habits, and leadership skills will be applied throughout the course.				
0926	Level III Physical Education: Strength and Conditioning II	0.5	Grades 11-12	Elective
Prerequisite: Strength and Conditioning I Develop your strength and performance. Apply both fundamental and advanced techniques to resistance training and functional fitness concepts to improve your power and agility. In addition, movements and exercises will be designed to prevent injury. The course is designed to accommodate your individual training needs. Themes of nutrition, healthy habits, and leadership skills will be applied throughout the course.				
0928	Level IV Physical Education: Strength and Conditioning III	0.5	Grade 12	Elective
Prerequisite: Strength and Conditioning II An advanced level course devoted to the development of your strength and performance. Apply both fundamental and advanced techniques to resistance training and functional fitness concepts to improve your power and agility. In addition, movements and exercises will be designed to prevent injury. The course is designed to accommodate your individual training needs. Themes of nutrition, healthy habits, and leadership skills will be applied throughout the course.				
0906	Senior Physical Education	0.5	Grade 12	Elective
Remain active during your senior year by participating in highly competitive activities. This student-driven course utilizes what you have learned in previous years and applies that knowledge to authentic game settings. The major goals are to expand on your ability to become a competent, literate, and enthusiastic player. You will have the opportunity to assume various leadership roles including that of captain, official and coach. If you want a fun, energetic and competitive physical education class, this class is for you!				
0952	Officiating	0.5	Grades 11-12	Elective
Prerequisite: Level II Physical Education Learn the rules, the game play, and the guidelines for a variety of sports including soccer, baseball, softball, basketball, volleyball, football, and tennis. In addition, you will learn the officiating calls and hand signals for each sport, as well as the role a sport official plays in maintaining fair play. By participating in this course, you will have the opportunity to obtain WIAA official certification.				

Science

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
1100	Earth Science	0.5	Grade 9	Fulfills Requirement
Improve your laboratory skills while studying the earth and the forces that shape it.				
1104	Astronomy/Geology (Physical Science)	0.5	Grades 9-12	Fulfills Requirement
Prerequisite: Earth Science Learn about the Earth's surface and interior while developing your skill to study other objects in our solar system. Explore our solar system, stars, and galaxies, as well as recent discoveries in astronomy.				
1106	Biology (Life Science)	1.0	Grades 9-10	Fulfills Requirement
Enhance your curiosity about living things and their environments in this introduction to the life sciences.				

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
1114	**Chemistry *(Physical Science)***	1.0	Grades 9-12	Fulfills Requirement
Prerequisite: Algebra I Investigate the core concepts of chemistry to prepare for post-secondary studies. You will develop strong laboratory techniques and problem-solving skills. This math-intensive course includes classic topics such as atomic theory, chemical bonding and reactions, formula writing, states of matter, thermochemistry, and solutions.				
1118	**Oceanography/Meteorology *(Physical Science)***	0.5	Grades 10-12	Fulfills Requirement
Prerequisite: Earth Science Study the ocean from its surface to its depths and explore the interaction between the ocean and the atmosphere. Learn to forecast the weather and understand the responsibility of meteorologists through the study of the Earth's atmosphere.				
1120	**Physics *(Physical Science)***	1.0	Grades 9-12	Fulfills Requirement
Prerequisite or Concurrent enrollment: Algebra II or Algebra II & Trigonometry or Acc Alg2/Precalc Discover the fundamental concepts that govern our natural world in this activity-based course where you will learn about linear and rotational motion, forces, energy, momentum, and circular motion. Participate in hands on laboratory explorations using digital equipment, data analysis, and peer to peer problem solving.				
1126	**AP Biology *(Life Science)***	1.0	Grades 10-12	Fulfills Requirement
Prerequisites: Biology and completion or concurrent enrollment in Chemistry Learn about the core scientific principles, theories, and processes governing living organisms, biological systems, and natural phenomena. Understand key science practices you can use to develop explanations and predictions of natural phenomena, which you will test and refine through laboratory investigations. Develop advanced reasoning and inquiry skills as you design experiments, collect and analyze data using mathematics and other methods, and interpret that data to draw conclusions. *Advanced Placement courses provide an opportunity to earn college credit.* *See chart on page 21-22.*				
1128	**Biotechnology *(Life Science)***	0.5	Grades 11-12	Fulfills Requirement
Prerequisites: Biology and completion or concurrent enrollment in Chemistry Explore biotechnology, the use of biological processes to solve problems or create products that enhance our lives. Emphasize laboratory skills to explore cellular and molecular biology, biochemistry, and engineering principles as we seek solutions to problems like global hunger, genetic diseases, antibiotic resistance, forensics, and pandemics.				
1134	**AP Chemistry *(Physical Science)***	1.0	Grades 10-12	Fulfills Requirement
Prerequisite: Chemistry and Algebra II & Trigonometry or Acc Alg2/Precalc Gain a deeper understanding of chemistry concepts to prepare for science related post-secondary studies. Develop your ability to think critically and express your ideas with clarity and logic. Work with classmates to conduct inquiry-based laboratory investigations, interpret your findings, and communicate your results. This math intensive, rigorous course includes in depth coverage of general chemistry topics as well as kinetics, equilibrium, and electrochemistry. *Advanced Placement courses provide an opportunity to earn college credit.* *See chart on page 21-22.*				
1136	**Environmental Science A *(Physical Science)***	0.5	Grades 10-12	Fulfills Requirement
Prerequisites: Biology and Earth Science Learn and make a difference in your environment! Investigate environmental issues, their causes and possible solutions, including sustainability, water resources, urban sprawl, and waste management. Participate in field work at local sites.				
1138	**Environmental Science B *(Physical Science)***	0.5	Grades 10-12	Fulfills Requirement
Prerequisites: Biology and Earth Science Learn and make a difference in your environment! Investigate environmental issues, their causes and possible solutions, including threats to our atmosphere, renewable/nonrenewable resources, and biodiversity. Participate in field work in local Wisconsin natural areas.				
1140	**Introduction to Human Anatomy & Physiology *(Life Science)***	0.5	Grades 10-12	Fulfills Requirement
Prerequisites: Biology and completion or concurrent enrollment in Chemistry A rigorous study of the structure and function of the human body, and the mechanisms for maintaining homeostasis within it. Learn about the major human body systems through lecture, physiology labs, and laboratory activities including manual dissection.				

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
1142	AP Physics C: Mechanics *(Physical Science)*	1.0	Grades 10-12	Fulfills Requirement
Prerequisite or Concurrent enrollment: Calculus AB *Students may not enroll in AP Physics C: Mechanics if they have successfully completed Physics #1120.* Explore concepts such as kinematics; Newton's laws of motion, work, energy and power; systems of particles and linear momentum; circular motion and rotation; oscillations; and gravitation. Learn to apply differential and integral calculus to solve problems associated with these concepts. Build your understanding and critical thinking skills through inquiry-based, laboratory investigations that explore these physics concepts. *Advanced Placement courses provide an opportunity to earn college credit. See chart on page 21-22.*				
1324	Principles of Engineering *(Physical Science)*	1.0	Grades 10-12	Fulfills Requirement
Prerequisite: Geometry Through problems that engage and challenge, explore a broad range of engineering topics including mechanisms, the strength of structures and materials, and automation. Develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. *This is a Project Lead the Way (PLTW) course, a national college pre-engineering program. See chart on page 21-22.*				

Social Studies

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
1200	United States History	0.5	Grade 9	Fulfills Requirement
Learn America's history from the 1929 crash of the stock market through September 11, 2001. • *Fulfills 9th grade Social Studies requirement.*				
1202	AP US History	1.0	Grades 10-12	Fulfills Requirement
Learn about the developments that have shaped U.S. history through the critical analysis of historical events and materials. Learn to weigh evidence and interpretations as you build your factual knowledge of U.S. history. Develop your ability to draw conclusions and use informed reasoning to present your arguments clearly and persuasively in essay format. *Advanced Placement courses provide an opportunity to earn college credit. See chart on page 21-22.* • *Fulfills 9th grade Social Studies requirement.*				
1204	World Studies	1.0	Grade 10	Fulfills Requirement
An introduction to the forces, events, individuals, and issues that define the interaction and interdependence of our world in the 21st century. A historical foundation combined with geography, political science, economics, anthropology, sociology, and international studies. • *Fulfills 10th grade Social Studies requirement.*				
1206	AP European History	1.0	Grades 10-12	Fulfills Requirement
Learn about the cultural, economic, political, and social developments that have shaped today's world through the study of European history from the year 1450 to present. Analyze historical evidence and interpretation and express your historical understanding through writing as you explore principle themes of modern European history. *Advanced Placement courses provide an opportunity to earn college credit. See chart on page 21-22.* • *Fulfills 10th grade Social Studies requirement.*				
1244	AP Human Geography	1.0	Grades 9-12	Fulfills Requirement
An introduction to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. Advanced Placement courses provide an opportunity to earn college credit. See chart on page 21-22. • *Fulfills 10th grade Social Studies requirement.*				
1208	United States Government	0.5	Grade 11	Fulfills Requirement
Understand your rights and responsibilities in our democracy. Develop a foundation for understanding our local, state, and national governments. The Wisconsin Civics Test required by the State of Wisconsin for graduation will be administered in this class. • *Fulfills 11th grade Social Studies requirement.*				
1210	AP United States Government & Politics	1.0	Grades 11-12	Fulfills Requirement
In this introductory college-level course, cultivate your understanding of US government and politics through analysis of data and text-based sources as you explore topics like constitutionalism, liberty and order, civic participation in a representative democracy, competing policy-making interests, and methods of political analysis. *Advanced Placement courses provide an opportunity to earn college credit. See chart on page 21-22.* • The Wisconsin Civics Test required by the State of Wisconsin for graduation will be administered in this class. • *Fulfills 11th grade Social Studies requirement.*				

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
1214	Principles of Economics	0.5	Grade 12	Fulfills Requirement
Learn about consumer economics. Analyze current events by applying the concepts you develop in this in-depth study including scarcity, supply and demand, inflation, and fiscal policy. • *Fulfills 12th grade Economics requirement.*				
1216	AP Macroeconomics	0.5	Grades 11-12	Fulfills Requirement
Explore the principles of economics that apply to an economic system. Learn about concepts such as national income and price determination and develop your familiarity with economic performance measures, the financial sector, stabilization policies, economic growth and international economics. Advanced Placement courses provide an opportunity to earn college credit. *See chart on page 21-22.* • *Fulfills 12th grade Economics requirement.*				
1218	Psychology	0.5	Grade 12	Fulfills Requirement
An introduction to human behavior, including disordered behavior and personality, as well as the psychobiology of the human brain, and altered states of consciousness. • *Fulfills 12th grade Behavioral Science requirement.*				
1220	AP Psychology	1.0	Grades 11-12	Fulfills Requirement
Explore the concepts, theories, perspectives, phenomena, and behaviors associated with the subfields and research areas of psychology. Analyze the methods psychologists use to study various types of behavior and mental processes and evaluate the validity and significance of their contributions. *Advanced Placement courses provide an opportunity to earn college credit.* *See chart on page 21-22.* • *Fulfills 12th grade Behavioral Science requirement.*				
1222	Sociology/Social Issues	0.5	Grade 12	Fulfills Requirement
Explore human social behavior, social structure, culture, and social change while studying topics such as conformity, adolescence, deviance and racial relations. • *Fulfills 12th grade Behavioral Science requirement.*				
1226	Ancient and Medieval History	0.5	Grades 10-12	Elective
An in-depth exploration of the history of the world during Ancient and Medieval Eras with an emphasis on how events in the past shape our modern world.				
1228	Criminal Justice	0.75	Grades 9-12	Elective
An introduction to the procedures and problems of criminal law, crime, law enforcement, courts, corrections, and punishment using current materials. Interact with guest speakers from criminal justice professions. *This course is transcripted with CVTC course 504-900, Intro to Criminal Justice, 3.0 CVTC credits.* *See chart on page 21-22.*				
1231	Introduction to Philosophy	0.5	Grades 9-12	Elective
Learn about the major ideas and thinkers of philosophy. Participate in a discussion-based study of the nature of reality, the nature of knowledge, the meaning of human life, ethics, political philosophy, Eastern philosophy, and other ancient and modern thought-provoking ideas.				
1240	The Vietnam War	0.5	Grades 9-12	Elective
Take an in-depth journey through the Vietnam War by examining the historical, economical, and political impact of this war.				
1246	Hmong History and Culture	0.5	Grades 9-12	Elective
Explore the many aspects of Hmong history and culture through multiple perspectives. Conduct research and engage in discussions to learn how community, persecution, geography, and other factors have impacted Hmong groups and individuals throughout history.				

Technology & Engineering

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
1306	Entertainment Technology	1.0	Grades 9-12	Elective
Explore the technical side of the entertainment industry. Learn about sound systems, theatrical and concert lighting systems, video recording/editing and audio recording/editing using industry recognized equipment and software. You will be trained for potential employment as an audio, lighting, and video technician for events that are held in the schools, including Daktronics System.				
1309	Aerospace Engineering	1.0	Grades 10-12	Elective
Propel your learning in the fundamentals of atmospheric and space flight. As you explore the physics of flight, bring the concepts to life by designing an airfoil, a propulsion system, and rockets. Learn basic orbital mechanics using industry-standard software. Explore robot systems through projects including remotely operated vehicles. *This is a Project Lead the Way (PLTW) course, a national college pre-engineering program.* *See chart on page 21-22.*				

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
1310	Introduction to Electricity and Residential Wiring	0.5	Grades 9-12	Elective
Acquire a solid foundation in electrical principles and practices! Residential installations will be the primary focus; many of the same practices can be applied to commercial and light industrial electrical construction. Develop critical thinking skills through problem solving and troubleshooting!				
1312	Digital Electronics	1.0	Grades 10-12	Fulfills Math Requirement
Prerequisite or concurrent enrollment: Algebra II or Algebra II & Trigonometry From smart phones to appliances, digital circuits are all around us. Develop a foundation in electrical engineering, electronics, or circuit design. Study topics such as combinational and sequential logic and explore circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices. *This is a Project Lead the Way (PLTW) course, a national college pre-engineering program. See chart on page 21-22.*				
1318	Introduction to Engineering Design	1.0	Grades 9-12	Elective
Dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. Work both individually and in teams to design solutions to a variety of problems using 3D modeling software and use an engineering notebook to document you work. *This is a Project Lead the Way (PLTW) course, a national college pre-engineering program. See chart on page 21-22.*				
1320	Civil Engineering and Architecture	1.0	Grades 10-12	Elective
Learn important aspects of building and site design and development. Apply math, science, and standard engineering practices to design both residential and commercial projects and document your work using 3D architecture design software. *This is a Project Lead the Way (PLTW) course, a national college pre-engineering program. See chart on page 21-22.*				
1324	Principles of Engineering	1.0	Grades 10-12	Fulfills Requirement
Prerequisite: Geometry Through problems that engage and challenge, explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. *This is a Project Lead the Way (PLTW) course, a national college pre-engineering program. See chart on page 21-22.* • *Fulfills 1.0 credit Physical Science requirement.*				
1328	Photography I	1.0	Grades 9-12	Elective
Photography is part of our everyday life! Learn what it takes to take a great photograph through the fundamentals of camera operation, the art of composition and digital manipulation. Utilize Adobe Photoshop to enhance your photos and various techniques to display them including matte cutting, dry mounting, framing, button making and sublimation. Explore studio work, motion photography, advanced composition, various camera modes, and video. *Additional amounts may be charged for approved resale materials (for example, to pay for a special project).*				
1330	Photography II	1.0	Grades 10-12	Elective
Prerequisite: Photography I Enhance all the techniques learned in Photography I in addition to new skills including advanced studio work, lighting, matte cutting, dry mounting, dye-sublimation, and drone photography. Work more with Adobe Photoshop and other video editing software programs to make better photographs and videos. Build your own website to publish your work showing the world what you can do. Additional amounts may be charged for approved resale materials (for example, to pay for a special project).				
1332	Printing Graphics I	1.0	Grades 9-12	Elective
Explore the world of printing with hands-on activities. Learn the various processes used to print graphic designs onto multiple surfaces. Explore screen printing, sublimation printing, offset lithography, digital printing, vinyl cutting and graphic design. Complete projects including t-shirt printing, button making, printing on mirrors, custom notepads, custom vinyl stickers, poster printing and sublimation.				
1334	Printing Graphics II	0.5	Grades 10-12	Elective
Prerequisite: Printing Graphics I Hands-on activities will expose you to the methods used for generating graphics in production printing. Explore Photo-offset lithography, computer graphics, and graphics and publication software. Learn skills that can be easily transferred to other methods of imaging materials. Investigate the many career opportunities in print graphics.				
1341	Metals/Welding I	1.0	Grades 9-12	Elective
Use hand tools, machines, and materials to acquire a broad experience in metalworking. Hands-on activities using metal lathes, grinders, milling machines, saws, and hand tools will introduce you to metal manufacturing techniques. Learn arc, wire feed, gas, and plasma welding techniques. Use critical thinking and problem-solving while working on projects. Additional amounts may be charged for approved resale materials (for example, to pay for a special project).				

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
1342	Welding II	1.0	Grades 10-12	Elective
Prerequisites: Metals/Welding I Learn occupational skills in welding construction with an emphasis on four position welding techniques (flat, vertical, horizontal, and overhead) utilizing Oxy-Acetylene Welding (OAW), Shielded Metal – Arc Welding (SMAW), Gas Tungsten – Arc Welding (GTAW) and Gas Metal – Arc Welding (GMAW) processes. Use print reading and fabrication along the way to weld various assigned and self-initiated projects. *This course is transcripted with CVTC course 442-313, Welding Automotive Technician, 1.0 CVTC credit. See chart on page 21-22.*				
1346	Woodworking I	1.0	Grades 9-12	Elective
Complete projects while learning the fundamental skills of operating hand, power, and machine tools. Learn planning, constructing, and finishing techniques. Projects include cutting boards, pizza/ice cream scoops, finger joint boxes, and nightstands.				
1348	Woodworking II	1.25	Grades 10-12	Elective
Prerequisite: Woodworking I A hands-on course designed to introduce students to various woodworking processes and techniques. Problem-solve various practical situations including planning, designing, and building. The curriculum focuses on accurate measurement, safety, wood material technology, woodworking design, project planning, woodworking machine operation, and finishing methods and techniques. Additional amounts may be charged for approved resale materials (for example, to pay for a special project). *This course is transcripted with NTC course 32410300, Cabinet and Furniture Making I, 5.0 NTC credits. See chart on page 21-22.*				
1349	Construction	0.5	Grades 9-12	Elective
Experience residential construction practices from site preparation to completion! Calculate the cost of a project. Learn everything from obtaining permits to the finishing process including electrical, plumbing, and masonry.				
1352	Recreational Small Engines	0.5	Grades 9-12	Elective
Disassemble, measure, evaluate, and reassemble two-cycle and four-cycle small engines. Study the systems of small engines and learn to troubleshoot problems that arise. *This course is transcripted with CVTC course 461-315, Engine Theory 1A, 1.0 CVTC credit. See chart on page 21-22.*				
1354	Vehicle Care	0.5	Grades 10-12	Elective
Understand the responsibilities of owning a vehicle. Whether you are already driving or in the process of obtaining your license, this course is a must. Topics of focus include vehicle purchasing, personal finance, how to buy a car, insurance, and maintenance.				
1356	Automotive Mechanics I	1.0	Grades 11-12	Elective
An overview of automotive history, careers, and ASE certification, along with an in-depth study of automobile maintenance, systems, functions, and classifications. Learn the fundamentals of engines, steering and suspension, chassis, lubrication, brakes, cooling systems, starting, charging, lighting, and detailing automobiles. It is recommended that you have a driver's license or be in the process of obtaining a driver's license as there are numerous hands-on lab activities. Additional amounts may be charged for approved resale materials (for example, to pay for a special project). SP2 online safety certification. Snap-on industry certifications included in this course: 1) starting, charging, battery 2) multi-meter *This course is transcripted with CVTC courses 404-335, Automotive Fundamentals, 1.0 CVTC credit and 404-336 Basic Vehicle Maintenance, 3.0 CVTC credits. See chart on page 21-22.*				
1358	Automotive Mechanics II	1.0	Grade 12	Elective
Prerequisite: Automotive Mechanics I An in-depth study of engine performance and analysis, engine rebuilding, transmission components, electronics, diagnosis, and trouble-shooting. Field trips and job shadowing will provide you with practical observations. If you plan to pursue a degree or career in the automotive field, take this class! Additional amounts may be charged for approved resale materials (for example, to pay for a special project). *This course is transcripted with CVTC course 404-337 Automotive Electricity 1, 2.0 CVTC credits.* See chart on page 21-22.				
1369	Introduction to Computer Hardware	0.5	Grades 9-12	Elective
Designed to provide an exploratory look at the modern personal computer (PC) and all that plugs into it. Learn about data transfer methods, PC components, operating systems and other software, PC troubleshooting, PC building, networking, peripherals, current industry trends and even PC gaming!				

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
1370	Computer Hardware	0.5	Grades 11-12	Elective
Prerequisite: Introduction to Computer Hardware Acquire an in-depth understanding of the various components/sub systems found within consumer computers. Learn how to build a computer from component pieces and troubleshoot computer problems. In addition, learn the basics of wired and wireless networking, printer support, and both the conventional and RAID-based storage systems. Manage aspects of the Windows OS and understand the troubleshooting process. This course will prepare you to take the CompTIA A+ certification and serves as a foundation for many future classes.				
1378	Cartoon Animation	0.5	Grades 9-12	Elective
Use WEditor, a digital storytelling software, to design, animate, and develop a story. Learn computer skills that easily transfer to other fields and industries.				
1382	Video Game Development	1.0	Grades 9-12	Elective
Program your own 3D video game! Learn basic programming and the design process. Use text, pictures, and animations to create functional video games that can be shared and played utilizing programming techniques in Dark Basic. Develop computer programming skills that easily transfer to a variety of industries.				
1386	Computer Science Essentials	1.0	Grades 9-12	Elective
Use visual, block-based programming and seamlessly transition to text-based programming with languages such as Python to create apps and develop websites. You will apply programming skills, build vocabulary, and collaborate to create products that address topics and problems. *A PLTW course. Project Lead the Way (PLTW) is a national college pre-engineering program.* *See chart on page 21-22.*				

Apprenticeships available in the areas below. **See page 23 & 24 for more information.**

- ☐ Transportation, Distribution, & Logistics
- ☐ Science, Technology, Engineering, & Math (STEM)
- ☐ Graphic Design
- ☐ Manufacturing
- ☐ Architecture & Construction

World Languages

All world language classes will be offered as in-person learning unless circumstances arise where virtual learning or a virtual platform will need to be utilized.

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
0500	French I	1.0	Grades 9-12	Elective
An introduction to the French language and Francophone culture emphasizing all four communication skills: reading, writing, speaking, and listening. By the end of the first year, you will communicate on familiar topics, such as self, family, school, hobbies, likes, and dislikes.				
0502	French II	1.0	Grades 9-12	Elective
Prerequisite: French I or 7th and 8th grade French Study Francophone culture while expanding your French skills through reading, writing, speaking, and listening. Discuss familiar topics using French.				
0504	French III	1.0	Grades 10-12	Elective
Prerequisite: French II As you continue to develop and practice your French reading, writing, listening, and speaking skills, you will focus more on grammar and vocabulary in a cultural context. Move from the novice toward intermediate levels of proficiency.				
0506	French IV	1.0	Grades 11-12	Elective
Prerequisite: French III Explore French culture through authentic literature while continuing to develop and practice your French communication skills. Prepare for post-secondary language learning, including study abroad, placement tests, university courses, and international travel.				
0508	French V	1.0	Grade 12	Elective
Prerequisite: French IV Build on the skills you learned in French I, II, III, and IV in this advanced exploration of French culture, literature, and communication skills. Enhance your preparation for post-secondary language learning, including study abroad, placement tests, university courses, and international travel. AP exam option available.				
0510	German I	1.0	Grades 9-12	Elective
With an emphasis on oral and written communication, learn about the culture of German speaking countries. By the end of the year, you will be able to communicate in German about limited topics.				

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
0512	German II	1.0	Grades 9-12	Elective
Prerequisite: German I or 7th and 8th grade German Communicate in German at a more advanced level about more topics. Learn to handle simple, everyday survival tasks in a German speaking country.				
0514	German III	1.0	Grades 10-12	Elective
Prerequisite: German II Expand your German comprehension and communication about a variety of topics in a variety of situations. Expand your vocabulary and grammar as you begin to read and write in German. Gain a broader understanding of the German culture and explore German geography and history.				
0516	German IV	1.0	Grades 11-12	Elective
Prerequisite: German III An in-depth exploration of contemporary German culture and society by learning about the arts, travel and leisure, and tradition. Begin to perfect your grammar and conversational skills. By the end of the year, you should be able to live and function socially in a German speaking country!				
0518	German V	1.0	Grade 12	Elective
Prerequisite: German IV Learn about contemporary German society while refining your language skills. Explore German literature, history, and music. Continue to improve your reading, writing, and speaking skills in preparation for placement tests, university courses, study abroad, and international travel. AP exam option available.				
0520	Japanese I	1.0	Grades 9-12	Elective
Learn kiragana and katakana, the two phonetic spelling systems, as well as Kanji characters. Read, write, speak, and understand fundamental Japanese to a level where you could survive in Japan. Explore Japanese geography, history, and culture.				
0522	Japanese II	1.0	Grades 10-12	Elective
Prerequisite: Japanese I Continue to enhance your Japanese language skills for greater fluency and ease in basic communication. Increase your study of grammar, vocabulary, and Kanji. Begin to communicate slightly more creatively as you continue to explore the history of the Japanese culture.				
0524	Japanese III	1.0	Grades 11-12	Elective
Prerequisite: Japanese II Communicate creatively in Japanese as your reading, vocabulary, and Kanji study become more advanced. Learn about various styles of Japanese speech and practice verbs used in unique social situations. Your study of Japanese culture will focus on art and history.				
0526	Japanese IV	1.0	Grade 12	Elective
Prerequisite: Japanese III Gain confidence in your Japanese reading, writing, speaking, and listening skills. Distinguish between formal and informal language usage in different social situations. Read and write more complex paragraphs. Refine your language ability through conversation and discussion in Japanese to prepare for a college-level language course. Your study of Japanese culture will focus on classic literature. AP exam option available.				
0528	Spanish I	1.0	Grades 9-12	Elective
An introduction to the Spanish language and Spanish-speaking culture emphasizing reading, writing, speaking, and listening. By the end of the year, you will be able to communicate on familiar topics, including self, family, school, hobbies, likes, and dislikes.				
0530	Spanish II	1.0	Grades 9-12	Elective
Prerequisite: Spanish I or 7th and 8th Grade Spanish Continue to build on your Spanish reading, writing, speaking, and listening skills as you study Spanish-speaking culture. Communicate in Spanish on a variety of familiar topics.				
0532	Spanish III	1.0	Grades 10-12	Elective
Prerequisite: Spanish II Expand on your Spanish reading, writing, listening, and speaking skills while expanding grammar and vocabulary in a cultural context. Move from the novice toward intermediate levels of proficiency.				
0534	Spanish IV	1.0	Grades 11-12	Elective
Prerequisite: Spanish III Continue to enhance the communication skills you learned in Spanish I, II, and III as you begin to explore Spanish-speaking culture through authentic fictional and non-fictional texts. Begin developing the skills that will prepare you for post-secondary language learning, studying abroad, placement tests, university courses, and international travel.				

Course Number	Course Name	Credits	Eligible Grades	Required/Elective
0536	Spanish V	1.0	Grade 12	Elective
Prerequisite: Spanish IV Increase your Spanish communication skills in an advanced study of the Spanish-speaking culture through reading authentic fictional and non-fictional texts. Further develop the skills that will prepare you for post-secondary language learning, studying abroad, placement tests, university courses, and international travel. AP exam option available.				
0538	American Sign Language I	1.0	Grades 9-12	Elective
An introduction to the language and culture of the American Deaf community with an emphasis on American Sign Language (ASL) grammar, vocabulary, and basic conversational skills. Learn about the unique cultural aspects within the Deaf community through enrichment activities.				
0540	American Sign Language II	1.0	Grades 10-12	Elective
Prerequisite: American Sign Language I Expand on the skills you acquired in ASL I. Gain a greater understanding of grammar and fluency using an in-depth ASL conversation in an authentic format. Build expressive and receptive communication skills on a variety of familiar topics.				
0550	Hmong I	1.0	Grades 9-12	Elective
With the use of Hmong culture and history develop reading, writing, listening, and speaking skills. By the end of the first year you will communicate on familiar topics, such as self, family, home, friends, schools, and hobbies.				
0552	Hmong II	1.0	Grades 10-12	Elective
Prerequisite: Hmong I Expand beyond the basic skills of reading, writing, listening, and speaking through thematically designed units. Through the Hmong language, learn more about the culture, history, geography, and values of the Hmong people.				

CVTC ACADEMY COLLEGE CREDIT OPPORTUNITIES

Fall 2025 and Spring 2026 plus several summer options

- High School Academies are a series of CVTC courses in a career pathway, based on career interests and are available to students **entering grades 11-12 per ECASD policies.** (The exception is CNA may be available in 10th grade if student meets the admission requirements.) Academies provide greater access to CVTC courses and remove registration challenges for students. To locate more information on the approved academies listed in the following section of this document by visiting https://go.ecasd.us/academyatcvtc
- Transcripted Credit (TC) courses are taught at the high school by a High School teacher.
- Students earn 0.25 high school credit for each 1.0 CVTC credit successfully completed.
- Students **currently enrolled** in the Business Management associate degree academy will need to meet with their counselor to schedule remaining courses needed to complete this Academy. New enrollments are not being accepted.

CNA Academy

Multiple Locations

Credential Opportunity: Nursing Assistant (CNA)

Course Name	CVTC Credits	CVTC #	CVTC Programs Requiring This Course:	Course Schedule (One-semester program)
Certified Nursing Assistant (CNA)	2	543-300	• Nursing • Nursing Assistant	Fall or Spring or Summer

Nursing Assistant (CNA) **Semester** **Credits: 2 CVTC/0.50 High School** **Grades 10-12**

Course held at CVTC – Prerequisite: must be 16 by the first day of clinicals

This course is a combination lecture, lab, and clinical practice conducted in long-term care facilities. It covers basic body function and structure, nutrition, nursing care procedures, and ethical and legal considerations. The Wisconsin Department of Health Services recognizes this course as a nursing assistant training program. For successful completion, you'll need access to a computer with an Internet hookup. This could be in your home, at a nearby library, at one of the CVTC branch campuses, or at another location that is convenient for you.

Requirements:

- **A Wisconsin criminal background check is required at the start of class.**
- **Covid vaccine may be required prior to clinicals or have an approved exemption.**
- **Student social security or Student number needed**
- **State-Mandated Attendance Requirement**

NOTE: *Attendance is mandatory for the nursing assistant course. Students may be allowed to miss up to two classes but are required to make up for the missed time. Failure to make up for missed time will result in course failure. If a third class or clinical session is missed, the student will fail the course. Clinical time must be made up at the clinical site, not with a written assignment. Students may have the option to attend a lecture, lab, or clinical session with another instructor to avoid grading deductions. Students are responsible for coordinating makeup times with their instructors. In case of documented illness or emergency, a waiver may be granted.*

GET STARTED TODAY!

To enroll in this opportunity or to learn more visit https://go.ecasd.us/academyatcvtc - Select CNA Academy

EMT/EMR Academy

Multiple locations

Credential Opportunity: Emergency Medical Technician Technical Diploma

Course Name	CVTC Credits	CVTC #	CVTC Programs Requiring This Course:	Course Schedule
Emergency Medical Technician 1 (EMR)	2	531-312	• Emergency Medical Technician	Fall or Spring or Summer
Emergency Medical Technician 2 (EMT)	3	531-313	• Emergency Medical Technician	Fall or Spring or Summer

For students interested in earning their EMT Technical Diploma both courses are required. Both courses are completed in one semester as classes run six weeks each. There is an option for DAY or EVENING classes.

Requirements:

- Access to a laptop (not a Chromebook) is required for EMT.
- Students must be 18 years old for licensure.

EMT I (EMR) **.5 Semester** **Credits: 2 CVTC/0.5 High School** **Grades 11-12**

Prerequisite: Must be 16 years old and entering Junior Year of high school (per ECASD policy)

Provides the foundational knowledge for future Emergency Medical Technicians and Emergency Medical Responders. Topics include basic human anatomy, performing a patient assessment, traumatic injury management, airway management, and Basic Life Support cardiac resuscitation. Upon successful completion, candidates will be eligible to participate in the National Registry of EMTs Emergency Medical Responder exams for Wisconsin EMR certification.

EMT II **.5 Semester** **Credits: 3 CVTC/0.75 High School** **Grades 11-12**

Prerequisite: Successfully complete EMT 1 with an 80% or higher and 17 years old. Advances on the foundation concepts of Part 1 to include pharmacology, pathophysiology, operating an ambulance, and medication administration. Students will also complete a clinical rotation in a hospital Emergency Department. Upon successful completion, candidates will be eligible to participate in the National Registry of EMTs Emergency Medical Technician exams for Wisconsin EMT licensure.

GET STARTED TODAY!

To enroll in this opportunity or to learn more, visit https://go.ecasd.us/academyatcvtc- Select EMT 1/EMR and EMT II Academy OR select just EMT 1/EMR

Pre-Nursing and Healthcare Academy – ECASD (Eau Claire Students Only)

Credential Opportunity: Certified Nursing Assistant, CNA (30-543-1) Technical Diploma

Course Name	CVTC Credits	CVTC #	CVTC Programs Requiring This Course:	Course Schedule (One-year)
General A&P	4	806-177	• Multiple programs at CVTC	Fall & Spring
Developmental Psychology	3	809-188	• Multiple programs at CVTC	Fall & Spring
Advanced A&P	4	806-179	• Multiple programs at CVTC	Fall & Spring
*Certified Nursing Assistant (Face to Face only)	2	543-200	• Multiple programs at CVTC	Fall & Spring

CVTC and area high school districts have partnered to offer incoming high school juniors and seniors who are serious about pursuing a career in the medical field the opportunity to earn high school and college credit. Students who successfully complete the academy will meet the CVTC prerequisites to apply to the Nursing Program and other health programs, allowing them to apply a year earlier than students who do not complete these college courses in high school.

Requirements:

- **A Wisconsin criminal background check is required at the start of class.**
- **Covid vaccine may be required prior to clinicals or have an approved exemption.**
- **Student social security or Student number needed**
- **State-Mandated Attendance Requirement**
  Attendance is mandatory for the nursing assistant course. Students may be allowed to miss up to two classes but are required to make up for the missed time. Failure to make up for missed time will result in course failure. If a third class or clinical session is missed, the student will fail the course. Clinical time must be made up at the clinical site and not with a written assignment. Students may have the option to attend a lecture, lab, or clinical session with another instructor to avoid grading deductions. Students are responsible for coordinating makeup times with their instructors. In case of documented illness or emergency, a waiver may be granted.
- **CPR is required** for many CVTC Health Programs.
- Must be 16 years old prior to Nursing Assistant clinicals.

Prerequisite: Must have completed high school Chemistry with a grade of C or higher per ECASD policy.

Credential: Opportunity to earn a Certified Nursing Assistant Technical Diploma CNA 30-543-1

General Anatomy & Physiology **Semester** **Credits: 4 CVTC/1.0 High School** **Grades 11-12**

Examines basic concepts of human anatomy and physiology related to health sciences. Using a body systems approach, the course emphasizes the interrelationships between structure and function at the gross and microscopic levels of the organization of the entire human body. It is intended to prepare healthcare professionals who must apply basic concepts of whole-body anatomy and physiology to informed decision-making and professional communication with colleagues and patients. (This course is not comparable to ECASD Human Anatomy and Physiology.)

Developmental Psychology **Semester** **Credits: 3 CVTC/0.75 High School** **Grades 11-12**

This is the study of human development throughout the lifespan. This course explores developmental theory and research emphasizing the interactive nature of the biological, cognitive, and psychosocial changes that affect the individual from conception to death. Application activities and critical thinking skills will enable students to gain increased knowledge and understanding of themselves and others. It is recommended that either Intro to Psychology (809-198) or Psychology of Human Relations (809-199) be completed before taking this course.

Advanced Anatomy & Physiology **Semester** **Credits: 4 CVTC/1.0 High School** **Grades 11-12**

This course is the second semester in a two-semester sequence in which normal human anatomy and physiology are studied using a body system approach with emphasis on the interrelationships between form and function at the gross and microscopic levels of an organization. Instructional delivery within a classroom and laboratory setting. Experimentation within a science lab will include analysis of cellular metabolism and the individual components of body systems such as the nervous, neuro-muscular, cardiovascular, and urinary. Continued examination of homeostatic mechanisms and their relationship to fluid, electrolyte, acid-base balance, and blood. Integration of genetics to human reproduction and development is also included in this course.

Nursing Assistant (CNA) **Semester** **Credits: 2 CVTC/0.50 High School** **Grades 11-12**

Course held at CVTC – Prerequisite: must be 16 by the first day of clinicals

This course is a combination lecture, lab, and clinical practice conducted in long-term care facilities. It covers basic body function and structure, nutrition, nursing care procedures, and ethical and legal considerations. The Wisconsin Department of Health Services recognizes this course as a nursing assistant training program. For successful completion, you'll need access to a computer with an Internet hookup. This could be in your home, at a nearby library, at one of the CVTC branch campuses, or at another location that is convenient for you. A Wisconsin criminal background check is required at the start of class.

GET STARTED TODAY!

To enroll in this opportunity or to learn more visit https://go.ecasd.us/academyatcvtc- Select Pre-Nursing and Healthcare - ECASD

Teacher Education Career Pathway

Online

Credential Opportunity: Earn Credits towards the CVTC's Foundation of Teacher Education Associates Degree

Course Name	CVTC Credits	CVTC #	CVTC Programs Requiring This Course:	Course Schedule (One-year program)
EDU: Behavior Management	3	522-105	• Foundations of Teacher Education	Fall
EDU: Overview of Special Education	3	522-107	• Foundations of Teacher Education	Spring
EDU: Introduction to Educational Practices	3	522-103	• Foundations of Teacher Education	Fall
EDU: Child & Adolescent Development	3	522-106	• Foundations of Teacher Education	Spring
EDU: Technology in Education	3	522-104	• Foundations of Teacher Education	Fall

Education is a dynamic and ever-changing career field. Learn about the historical, philosophical, and social foundations of education. Explore issues and trends in elementary, middle, and secondary institutions, including WI and national regulations, fundamentals of teaching methodologies, learning styles, and basic assessment techniques. Students will also gain experience creating and using web tools and online classroom techniques. This academy also provides an overview of special education law, societal responses to students with disabilities, and the impact of family dynamics.

EDU: Behavior Management **Semester** **Credits: 3 CVTC/0.75 High School** **Grades 11-12**
Students evaluate behavior management models, analyze social-emotional learning, and explain the importance of proactive management techniques. In addition, students evaluate models of behavior management, analyze behavior and analyze the influence of Adverse Childhood Experiences on behavior in order to focus on developing skills to assist in empowering children to take an active role in self-control and classroom management.

EDU: Overview of Special Education **Semester** **Credits: 3 CVTC/0.75 High School** **Grades 11-12**
This course provides an overview of special education law. Special education categories under IDEA and associated causes and characteristics will be explored as well as state and federal qualification criteria will be examined. Societal responses to students with disabilities as well as the impact of a student with disabilities on family dynamics, will also be covered in this course.

EDU: Introduction to Educational Practices **Semester** **Credits: 3 CVTC/0.75 High School** **Grades 10-12**
This course is available at the high school. If it is not offered students will be offered the chance to move to the academy class. This course will include the study of historical, philosophical, and social foundations of education; issues and trends, including diversity affecting our schools of today, including elementary, middle level and secondary educational settings. An overview of the WI Department of Public Instruction and federal regulations, WI Act 31 Treaty Rights, fundamentals of teaching methodologies, learning styles, questioning techniques, and basic assessment practices will be addressed.

EDU: Child & Adolescent Development **Semester** **Credits: 3 CVTC/0.75 High School** **Grades 11-12**
Provides an overview of physical, motor, perceptual, cognitive, social/emotional and growth and development from birth through adolescence. Analyzes social, parental, cultural, brain, and economic influences on development.

EDU: Technology in Education **Semester** **Credits: 3 CVTC/0.75 High School** **Grades 11-12**
This course allows the learner to develop the knowledge and skills to use trending classroom technologies. Students will gain experience creating and using web tools, including electronic portfolios.

GET STARTED TODAY!
To enroll in this opportunity or to learn more, visit https://go.ecasd.us/academyatcvtc - Select Teacher Education Career Pathway

IT Software Development Academy

Virtual Online Live

Credential Opportunity: IT Software Development Specialist Technical Diploma

Course Name	CVTC Credits	CVTC #	CVTC Programs Requiring This Course:	Course Schedule (One-year program)
Web 1 – HTML & CSS	3	152-107	• IT Software Developer	Yearlong Monday – Friday from 8 a.m. – 10 a.m.
Oral/Interpersonal Communications	3	801-196	• IT Software Developer • Most CVTC programs	
Database 1	3	152-132	• IT Software Developer	
Introduction to Computers & Programming	3	152-118	• IT Software Developer	
Programming Fundamentals	3	152-101	• IT Software Developer	

CVTC and your high school have partnered to offer high school students who are interested in pursuing a career in the IT field an opportunity to earn high school and college credit. Students enrolled in this academy will focus on the exploration of resolving software-based computer problems in today's digital office environments. Students successfully completing the academy will earn their IT Software Development Specialist Technical Diploma. courses.

REQUIRED FOR COURSE CREDIT: *A grade of C- or higher is required in all courses to receive your Technical Diploma.

Web 1-HTML & CSS **Semester** **Credits: 3 CVTC/0.75 High School** **Grades 11-12**
This course is designed to be a "first course" in website development. Students work with a text editor and a browser to develop web pages from scratch using HTML and Cascading Style Sheets (CSS) to control color, layout, text, and images. Responsive design principles and accessibility standards are incorporated to ensure websites are usable and professional-looking. Tables, forms, audio, and video components are included to add variety and pizzazz.

Oral/Interpersonal Communication **Semester** **Credits: 3 CVTC/0.75 High School** **Grades 11-12**
Focus on developing speaking, verbal, and nonverbal communication and listening skills through individual presentations, group activities, and other projects.

Database 1 **Semester** **Credits: 3 CVTC/0.75 High School** **Grades 11-12**
Designed as a first database course, this course introduces students to the concepts of relational database management and beginning SQL. Students explore the history and evolution of databases and investigate current database usage in the industry. This relational model is examined and utilized as students practice creating, populating, manipulating, and querying multi-table relational databases using the MS Access graphical user interface and SQL.

Intro to Computers Programming **Semester** **Credits: 3 CVTC/0.75 High School** **Grades 11-12**
This is an introductory course that explores Information Technology - Software Development. The fundamental concepts in this course include operating systems, file management, problem-solving, programming concepts, and an introductory look at the JavaScript programming language.

Programming Fundamentals **Semester** **Credits: 3 CVTC/0.75 High School** **Grades 11-12**
This course is designed to be a student's first programming course. It introduces fundamental computer programming concepts, including: input-processing-output, if-then-else logic for loops, and loops. Students use pseudocode and flowcharting tools to build problem-solving skills. Programming concepts are applied, and problem-solving skills are practiced as students complete a variety of programming exercises using the JavaScript programming language.

GET STARTED TODAY!
To enroll in this opportunity or to learn more, visit https://go.ecasd.us/academyatcvtc - Select IT Software Development Specialist

Welding Academy - Lippert

Located at Eau Claire – Full Year

Credential Opportunity: Earn the Intro to Gas Metal Arc Welding (61-442-1) Pathway Certificate in high school and finish your 1 year technical diploma with Lippert.

Course Name	CVTC Credits	CVTC #	CVTC Programs Requiring This Course:	Course Schedule (One-semester program)
Welding Safety & Orientation	1	442-310	• Welding Programs	Fall
Industrial Skills for Welders	2	442-380	• Welding Programs	Fall
Welding Print Reading	2	442-307	• Welding Programs	Fall
Metals Technology	1	442-303	• Welding Programs	Fall
GMAW Welding	4	442-362	• Welding Programs	Fall
Shielded Metal Arc Welding	3	442-325	• Welding Programs	Fall
Adv Shielded Metal Arc Welding	3	442-300	• Welding Programs	Spring
Welding Theory	2	442-327	• Welding Programs	Spring
Robotic Welding	2	442-360	• Welding Programs	Spring
Advanced Gas Metal Arc Welding	4	442-363	• Welding Programs	Spring
Fabrication	3	457-300	• Welding Programs	Spring

CVTC, Lippert and local high schools have partnered to offer incoming seniors who are interested in pursuing a career in welding the opportunity to earn high school and college credit. Lippert will interview, select and pay for students who are approved by Lippert and CVTC to be part of the academy. Dual credit academies give high school students a chance to navigate their interests and career options to develop the most successful individualized career path. Credits successfully earned through this academy may be applied to CVTC Welding programs. By successfully completing all four courses, students will earn an Intro to GMAW Pathway Certification. The academy courses listed below will be taught at the CVTC Campus in Eau Claire.

Welding Safety & Orientation **Semester** **Credits: 1 CVTC/0.25 High School** **Grades 12**

Introduces welding safety and standard operating procedures on equipment commonly used in welding labs/shops and on tools received in students' toolboxes. Students will be able to receive an OSHA 10 safety certificate.

Industrial Skills for Welders **Semester** **Credits: 2 CVTC/0.5 High School** **Grades 12**

In this course, the student will develop math skills and job-seeking skills for the welding career to meet the demands of today's industry. Application-based math topics will address fractions, decimals, fraction conversion to decimals and metric equivalents, geometry and trig formulas, as well as algebraic problem solving. The student will use blueprints for layout calculations and techniques. The student will develop job-seeking skills such as: employment search, resumes, application forms, and employer interviews.

Welding Print Reading **Semester** **Credits: 2 CVTC/0.5 High School** **Grades 12**

Drawing fundamentals related to 2 and 3D view drawings; visual projection methods; freehand sketching; weld symbols and how to apply them. Interpret weld blueprints according to industry standards.

Metals Technology **Semester** **Credits: 1 CVTC/.25 High School** **Grades 12**

Introduces the student to a variety of technical topics related to the Welding program. Topics will include: machine settings, wire and electrode designations, drilling operations, data sheet interpretation, structural steel methods, maintenance of welding equipment, etc. Discussion will also take place on issues such as work ethics and job/work attitudes.

Gas Metal Arc Welding **Semester** **Credits: 4 CVTC/1.0 High School** **Grades 12**

Introduction to Gas Metal Arc Welding (GMAW, wire feed welding, MIG). Develop skills with solid wire GMAW short-circuit transfer in various positions and joint designs.

Shielded Metal Arc Welding **Semester** **Credits: 3 CVTC/.75 High School** **Grades 12**

Identify as well as perform SMAW welds in flat and horizontal positions in a lab setting.

Advanced Shielded Metal Arc Welding **Semester** **Credits: 3 CVTC/.75 High School** **Grades 12**

Students will learn equipment set up, safe practices as well as perform SMAW welds in all positions while following WPS's in lab setting.

Welding Theory **Semester** **Credits: 2 CVTC/.50 High School** **Grades 12**

Continuation of Metals Technology 1, 442-303 expanding on covering a variety of technical topics related to the Welding program. Topics will include: materials handling, introduction to Welding Procedures Specification (WPS) and certifications. Discussion will also include GTAW process, electrode and filler metal.

Robotic Welding **Semester** **Credits: 2 CVTC/.50 High School** **Grades 12**

Safety; setup; programming; and operation of welding robot. Variables and problems will be studied and solutions applied to provide a practical, efficient application of the GMAW(gas metal arc welding) process to an automated system.

Advanced Gas Metal Arc Welding **Semester** **Credits: 4 CVTC 1.0 High School** **Grades 12**

Continuation of Basic Wire-Feed Welding. Gas Metal Arc Welding (GMAW, wire-feed welding, MIG) using spray transfer, pulse GMAW, flux-cored wire, aluminum, and stainless steel on various metals and joint designs. Destructive and nondestructive testing methods; welding codes and certification.

Fabrication **Semester** **Credits: 3 CVTC .75 High School** **Grades 12**

Students will be introduced to and apply basic metal fabrication and layout principles in a lab setting, following safe lab practices and working off welding prints.

GET STARTED TODAY!

To enroll in this opportunity or to learn more visit https://go.ecasd.us/academyatcvtc - Select Welding Academy - Lippert

Electrical Maintenance Academy

Located at CVTC Eau Claire and Menomonie

Credential Opportunity: Dual Credit Opportunity

Course Name	CVTC Credits	CVTC #	CVTC Programs Requiring This Course:	Course Schedule
Industrial Electricity Principles	3	462-118	• Electrical Maintenance	Fall/Spring
PCL Manufacturing Applications	3	462-123	• Electrical Maintenance	Fall/Spring
IOT Automated Manufacturing	4	462-121	• Electrical Maintenance	Fall/Spring

Industrial Electricity Principles **Semester** **Credits: 3 CVTC/0.75 High School** **Grades 11-12**

This course introduces the students to basics of electricity needed by the industrial mechanic. Included are basic electrical theory, operations and use of the Volt-Ohm meter, AC and DC electric motors, motor controls and wiring, and applications as needed to install, operate, and control industrial machines. Through classroom and laboratory activities, students can develop a practical understanding of electrical components, control, and operation.

IOT Automated Manufacturing **Semester** **Credits: 4 CVTC/1 High School** **Grades 11-12**

This course is designed to give the student understanding and experience with various types of automated equipment. Proper Lock-out & Tag-out and troubleshooting Motors and Motor Drives. The set-up and operation of the machinery and repair of such equipment and components on the equipment will be performed. Projects of function, troubleshooting, and repair will be the prime emphasis. Explore connectivity to networks and the Internet of Things (IoT) with Industrial controls.

PLC Manufacturing Applications **Semester** **Credits: 3 CVTC/0.75 High School** **Grades 11-12**

The course is designed to use the basic and advanced electrical and electronic control devices in control simulated and actual automated industrial machines. Set up, operation, and system troubleshooting of PLC and Internet of Things (IoT) devices will be emphasized. PLC operations, programming, and troubleshooting. Connectivity to the Internet of Things (IoT) with Industrial control components will be investigated.

GET STARTED TODAY!

To enroll in this opportunity or to learn more, visit https://go.ecasd.us/academyatcvtc - select Electrical Maintenance Academy.

Introduction to Heating, Air Conditioning, & Refrigeration (HVACR)

Located at CVTC Eau Claire

Credential Opportunity: Earn Credits towards the CVTC's HVACR Associates Degree

Course Name	CVTC Credits	CVTC #	CVTC Programs Requiring This Course:	Course Schedule
Safety – HVAC	1	601-125	• HVAC	Fall
Electricity Theory	1	601-140	• HVAC	Fall
Electricity Principles	2	601-148	• HVAC	Fall
Heating Theory	1	601-107	• HVAC	Spring
Schematic Wiring-HVAC	1	601-146	• HVAC	Spring
Principles of Gas Heat and Airflow	2	601-108	• HVAC	Spring

***Prerequisite- Must complete Safety-HVAC, Electricity Theory, and Electricity Principles to take Spring classes General Information**

Today's HVACR industry is stronger than ever. Employment of heating, air conditioning, and refrigeration mechanics and installers is projected to grow 15 percent from 2016 to 2026, much faster than the average for all occupations. Commercial and residential building construction is expected to drive employment growth, and job opportunities for HVACR technicians are expected to be strong. Through hands-on, simulation, and online instructional experiences, you will receive training patterned after the day-to-day demands of this career, including electrical wiring, troubleshooting circuits, service, and installation of HVACR equipment.

Safety HVAC **Semester** **Credits: 1 CVTC/0.25 High School** **Grades 11-12**

The purpose of this course is to introduce the student to OSHA-based safety training. Students will examine and practice safety measures based on OSHA standards and regulations. Basic personal protective equipment, fire protection, lockout/tagout and slips, trips, and falls, as well as many other safety items, will be evaluated.

Electricity Theory **Semester** **Credits: 1 CVTC/0.25 High School** **Grades 11-12**

The content of this course deals with the fundamentals of electricity and electronics with application to the area of heating, air conditioning, and refrigeration. Understanding AC and DC circuits, schematics, and Ohms law will be the primary focus.

Electricity Principles **Semester** **Credits: 2 CVTC/0.5 High School** **Grades 11-12**

This course focuses on the application of electrical principles and theory. The student will be asked to wire and install various electrical devices and systems. In addition, the student will focus on motor classification, operation, and troubleshooting.

Heating Theory **Semester** **Credits: 1 CVTC/0.25 High School** **Grades 11-12**

This course focuses on the different forms of heat transfer and types of heat and how they relate to various HVAC systems. The basic operation of gas, oil, electric, and hydronic heating systems are explored, and major components and controls are identified. The main objective of the class is to understand the basic functions of heating appliances.

Schematic Wiring-HVACR **Semester** **Credits: 1 CVTC/0.25 High School** **Grades 11-12**

The primary focus of this class is learning to read and interpret schematic symbols and diagrams. Students will be able to wire and operate various HVAC equipment using the schematics found on the equipment. They will also be able to identify individual circuits and their function when given a schematic diagram.

Principles of Gas Heating & Airflow **Semester** **Credits: 1 CVTC/0.25 High School** **Grades 11-12**

Natural gas and propane heating appliances are evaluated and tested. Major components and controls are identified, and the proper methods of troubleshooting and diagnosing are learned and practiced. Evaluating proper airflow patterns for systems is emphasized as well. The main objective of the course is to assist the technician in working on a variety of gas-fired appliances when the course is completed.

GET STARTED TODAY!
To enroll in this opportunity or to learn more visit https://go.ecasd.us/academyatcvtc - Select Heating, Air Conditioning, & Refrigeration (HVACR)

We challenge minds, build relationships and nurture individual growth to prepare all students for post-secondary success.

Automotive Maintenance Technician Academy

Academy options are 8A-2P or noon-6P so preplanning with your counselor to meet graduation requirements is important.

Credential Opportunity: Automotive Maintenance Technician Diploma

Course Name	CVTC Credits	CVTC #	CVTC Programs Requiring This Course:	Course Schedule
Automotive Fundamentals	1	404-355	• Auto Programs	Yearlong
Automotive Electricity 1	2	404-337	• Auto Programs	Yearlong
Basic Vehicle Maintenance	3	404-336	• Auto Programs	Yearlong
Automotive Brake Systems	4	404-339	• Auto Programs	Yearlong
Auto Engine Performance 1	3	404-351	• Auto Programs	Yearlong
Math for Tech Trades	2	804-360	• Auto Programs	Yearlong
Automotive Computer Systems	2	404-355	• Auto Programs	Yearlong
Applied Written/Job Seek Communication	1	801-357	• Auto Programs	Yearlong
Welding Automotive Technician	1	442-313	• Auto Programs	Yearlong
Auto Steering & Suspension	4	404-350	• Auto Programs	Yearlong
Automotive Electricity 2	3	404-338	• Auto Programs	Yearlong
Auto Engine Performance 2	3	404-352	• Auto Programs	Yearlong

Automotive Fundamental **Semester** **Credits: 1 CVTC/0.25 High School** **Grade 12**

Courses held at CVTC – **Prerequisite: must be 16 by the first day of class and hold a valid driver's license.**

A course of study designed to provide the students with an overview of the automotive program along with shop equipment and safety. Computer-based SP2 online safety training will be utilized. Also included is instruction on hand & power tool operation, fastener identification, vehicle lifting procedures, ASE certification criteria, career exploration, and history of the automobile industry. This course is web-enhanced. Some content will be delivered and available via the Internet.

Basic Vehicle Maintenance **Semester** **Credits: 3 CVTC/0.75 High School** **Grade12**

A course of study designed to provide the student with the skills necessary to perform vehicle maintenance operations such as oil changes, chassis lubrication, tire rotations and inspections. Students will inspect chassis and brake systems, perform safety inspections, maintenance light reset procedures, and retrieve OBD II DTCs. This course is web-enhanced. Some content will be delivered and available via the Internet.

Automotive Electricity 1 **Semester** **Credits: 1 CVTC/0.50 High School** **Grade 12**

A course of study designed to provide the student with the skills needed to understand electrical fundamentals, including electrical/electronic terminology, electrical components, circuits, measurements, and Ohm's Law relationships. Classroom instruction and hands-on training are provided on how to use electrical wiring diagrams, component locators, and basic testing using industry-standard tools to identify and isolate 'open', 'short' and 'high resistance' faults in automotive electrical system circuits. Automotive electrical circuits are studied with related lab work involving locating/replacing circuit components, wire & terminal repair using industry-approved techniques; battery diagnosis, testing & replacement; and electrical cooling fan diagnosis.

Automotive Brake Systems **Semester** **Credits: 4 CVTC/1.0 High School** **Grade 12**

A course of study designed to provide the student with the skills needed to diagnose, service and repair foundation brake systems found on cars and light-duty trucks using industry-standard equipment. This course is web-enhanced. Some content will be delivered and available via the Internet.

Engine Performance 1 **Semester** **Credits: 3 CVTC/0.75 High School** **Grade 12**

A course of study designed to provide the student with the skills needed to explain how an internal combustion engine operates and develops horsepower and torque. Students will disassemble an internal combustion engine, identify & measure components, reassemble the engine using industry-standard tools and procedures, and perform basic engine tests. This course is web-enhanced. Some content will be delivered and available via the Internet.

Math for Tech Trades **Semester** **Credits: 1 CVTC/0.25 High School** **Grade 12**

Math for Technical Trades is an applied technical math course. The course includes arithmetic, measurement calculation, formula manipulation, basic geometry, right triangle trigonometry, and interpretation of visual displays of data, with an emphasis on contextualized technical applications.

Automotive Electricity 2 **Semester** **Credits: 3 CVTC/0.75 High School** **Grade 12**

A course of study designed to provide the student with the skills needed to read and apply technical information, specifications, and strategy-based diagnostic procedures for use in troubleshooting chassis electrical systems: starting, charging, instrument panel, lighting, powered accessories, and relay controlled circuits. Chassis electrical systems coverage includes testing with industry-standard testing equipment. This course is web-enhanced. Some content will be delivered and available via the Internet.

Auto Steering & Suspension System **Semester** **Credits: 4 CVTC/1.0 High School** **Grade 12**

A course of study designed to provide the student with the skills needed to diagnose, service and repair suspension systems found on cars and light-duty trucks using industry-standard equipment, with an emphasis on component identification, inspection, diagnosis & replacement. This course is web-enhanced. Some content will be delivered and available via the Internet.

Auto Engine Performance 2 **Semester** **Credits: 3 CVTC/0.75 High School** **Grade 12**

A course of study designed to provide the student with the skills needed to diagnose, service & repair automotive ignition and fuel systems. The student will learn maintenance and troubleshooting and procedures for late-model vehicles using various types of engine, fuel pressure and exhaust diagnostic equipment. This course is web-enhanced. Some content will be delivered via the Internet.

Automotive Computer Systems **Semester** **Credits: 2 CVTC/0.50 High School** **Grades 12**

A course of study designed to provide the student with the skills needed to diagnose, service and repair automotive computer controls and emission control systems. Basic electronic components and circuits are reviewed, leading to an understanding of automotive computer systems operations. Fundamentals of electricity, electronics, semiconductor materials, diodes, transistors, analog & digital signals, computer memory, sensors, actuators, and processor inputs/outputs will be related to basic computer operation. Specific instructions for locating diagnostic resources, vehicle data access, fault code interpretation, and diagnostic strategy will be related to On-Board Diagnostics engine control systems. Testing will include industry-standard generic as well as manufacturer specific scan tool use and testing procedures. This course is web-enhanced. Some content will be delivered and available via the Internet.

Welding Automotive Technician **Semester** **Credits: 1 CVTC/0.25 High School** **Grade 12**

The purpose of this course is to help learners acquire basic welding skills on light gauge metals and other materials used in the automotive repair industry using Gas Metal Arc Welding (GMAW), Plasma Arc Cutting (PAC), and Oxy - Fuel Cutting (OFC). Additionally, skills will be developed on removing stuck vehicle parts and fasteners. It is a hands-on, self-paced learning environment where you can learn basic welding skills and safe welding practices.

to prepare all students for post-secondary success.

Applied Written/Job Seek Communication **Semester** **Credits: 1 CVTC/0.25 High School** **Grade 12**

This course emphasizes the importance of effective workplace writing and the practical components of job-seeking skills. Students will acquire practical, business-related skills through reading, writing, revising, and grammar exercises. Additionally, they will polish a resume, practice their interview skills, explore a company's background, assess and refine their personal career goals, and establish a purpose for writing in their career field.

GET STARTED TODAY!

To enroll in this opportunity or to learn more visit https://go.ecasd.us/academyatcvtc - Select Heating, Air Conditioning, & Refrigeration (HVACR)