



# **2023-2024 ECASD High Schools**

## **Academic and Career Planning Guide for Post-Secondary Success**

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

An electronic version of this Career and Planning Guide is available at:  
[http://www.ecasd.us/District/Departments/Teaching-and-Learning/High-School-\(9-12\)](http://www.ecasd.us/District/Departments/Teaching-and-Learning/High-School-(9-12))

***If you would like language assistance to interpret these materials,  
please call your child's school, or this number:  
715-852-3555.***

***Yog koj xav tau cov ntawv nov txhais ua lus Hmoob, thov hu tus xov tooj  
no: 715-852-3555.***


***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: 715-852-3555.***

## Using this ACP Guide 2023-24 School Year

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 2023-2024 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.

# Important Dates for Academic, College and Career Planning

## **Primary Audience: Incoming 9th graders and Families**

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

### **Future North High School Students**

**Monday, January 23, 2023**

**6:00-7:30 p.m.**



### **Future Memorial High School Students**

**Monday, January 23, 2023**

**6:00-7:30 p.m.**



## **Registration Schedule for Current 9-11 Graders**

Listen for announcements for when Skyward opens for course registration.

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## **Registration Schedule for Current 8<sup>th</sup> Graders**

Informational meetings will occur with your high school counselor.

January 18, 2023 – South & DeLong Middle School

January 19, 2023 –Northstar Middle School

January 26-27, 2023 – Register for classes with high school counselors.

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## Welcome to the ECASD Academic and Career Planning Guide

**Dear Students,**

***Welcome to the 2023-24 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.***

***You 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

Kurt Madsen, Principal  
North High School

### **Administrators at Memorial**

Dave Oldenberg, Principal  
Laura Nicolet, Assistant Principal  
Travis Hedtke, Assistant Principal  
Kevin Thompson, Assistant Principal/Athletic Director

### **Counselors**

Heather Kapanke	A-D
Sam Hochstetler	E-J
Michelle Moss	K-N
Faith Erickson	O-St
Isaiah Vang	Su-Z

### **Administrators at North**

Kurt Madsen, Principal  
Ashley Hensley, Assistant Principal  
Stephanie Sturgis, Assistant Principal  
Michael Pernsteiner, Assistant Principal/Athletic Director

### **Counselors**

Brian Woodie	A-En
Quinn Hrdlicka	Eo-Kh
Alex Baierl	Ki-O
Kelly Haskamp	P-Sto
Justine Hildebrandt	Str-Z

## 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.

**For students in the graduating class of 2023 and beyond, the following guidelines will apply:**

	<b>Cum Laude</b>	<b>Magna Cum Laude</b>	<b>Summa Cum Laude</b>
<b>GPA</b>	3.500 – 4.00	3.750 – 4.00	4.00
<b>Dual Credit Courses</b>	2 ECASD credits	3 ECASD credits	5 ECASD credits

Dual Credits:

- Dual Credits are earned by enrolling in a post-secondary articulated course.
- Dual Credits recognized by the ECASD include: Project Lead the Way (PLTW), Advanced Placement (AP), Transcribed Credits (TC), Start College Now, and Early College Credit Program.

Implementation Timeline:

- The student's standing after seven high school semesters will be used for ceremony recognition.
- The student's standing after eight high school semesters will be used for transcript recognition.
- This updated academic recognition policy will go into effect for the class of 2023.

The following will not be used in the recognition system:

- Extracurriculars
- Weighted GPA
- Class rank
- College entrance exams (ACT/SAT)

## **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 11-12 for more information.

## **Gifted Education**

The 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 Academic Services, at 715-852-3091 or [mradtke@ecasd.us](mailto: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 sex, race, religion, color, national origin, ancestry, creed, pregnancy, marital or parental status, gender identity, gender expression, or physical, mental, emotional or learning disability he/she can bring or send a complaint to Dang Yang, Director of Equity, Diversity, and Inclusion & Title IX Coordinator at 715-852-3069 or [dyang@ecasd.us](mailto:dyang@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, Christi Watkinson, at 715-852-3134 or [cwatkinson@ecasd.us](mailto:cwatkinson@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](mailto:mtrowbridge@ecasd.us).

<b>ECASD Requirements</b> 23.5 (minimum) total credits required in the following subject areas:	
<b>English</b>	<b>4 Credits including:</b> English 9 (1.0) English 10 (1.0) English 11 (1.0) English 12 (1.0)
<b>Social Studies</b>  *Required Wisconsin Civics Test	<b>3 Credits including:</b> US History (0.5) World Studies (1.0) US Government (0.5) Econ (0.5) Psych or Soc. (0.5)
<b>Science</b>	<b>3 Credits including:</b> Earth Science (0.5) Life Science (1.0) Physical Science (1.0) Science (0.5)
<b>Math</b>	<b>3 Credits</b>
<b>Physical Education</b>	<b>1.5 Credits including:</b> PE—Level I (0.5) PE—Level II (0.5) PE—Level III (0.5)
<b>Health</b>	<b>0.5 Credit</b>
<b>Electives/Courses from Program of Study Plan</b>	<b>8.5 Credits</b>
<b>Total Minimum Credits</b>	<b>23.5 Credits</b>

## 4-Year Planning Guide

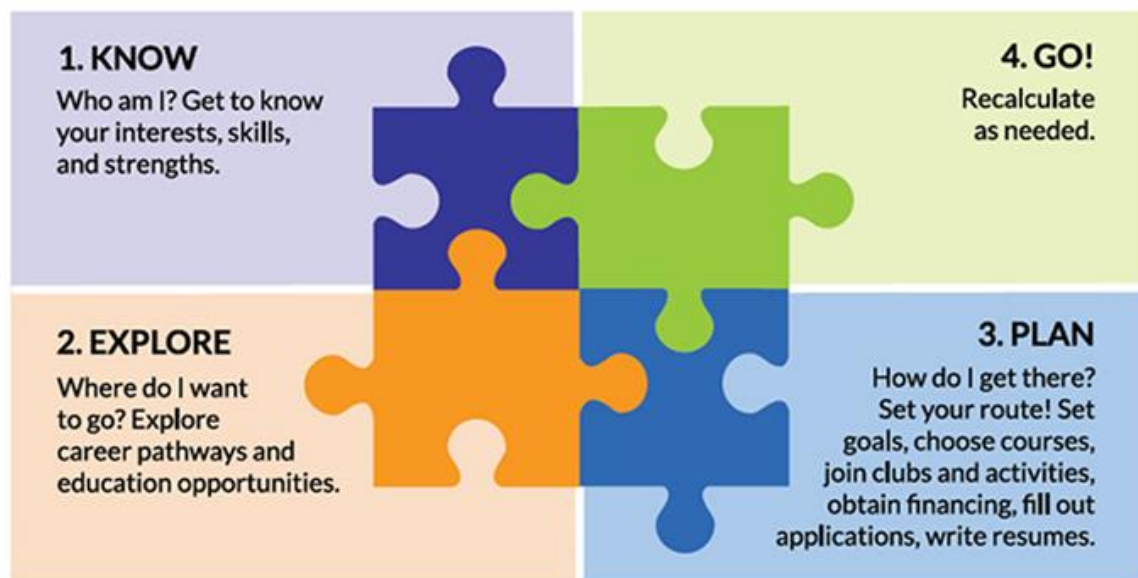
Graduation Requirements	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
<b>ENGLISH</b> 4.0 Credits	<u><b>1.0 Credit</b></u> English 9	<u><b>1.0 Credit</b></u> English 10	<u><b>1.0 Credit</b></u> English 11 AP Lang/Comp AP Lit/Comp	<u><b>1.0 Credit</b></u> English 12 AP Lang/Comp AP Lit/Comp
<b>MATH</b> 3.0 Credits	<u><b>1.0 Credit</b></u>	<u><b>1.0 Credit</b></u>	<u><b>1.0 Credit</b></u>	<u><b>1.0 recommended</b></u>
<b>SCIENCE</b> 3.0 Credits	<u><b>0.5 Credit</b></u> <u><b>Earth Science</b></u> Earth Science	<u><b>1.0 Credit</b></u> <u><b>Life Science</b></u> Biology	<u><b>1.0 Credit</b></u> <u><b>Physical Science</b></u>	<u><b>0.5 Credit Science</b></u>
<b>SOCIAL STUDIES</b> 3.0 credits	<u><b>0.5 Credit</b></u> US History  AP US History (1.0 Credit)  Taken in grades 10-12 - available alternating years	<u><b>1.0 Credit</b></u> World Studies AP European History AP Human Geography	<u><b>0.5 Credit</b></u> Government AP Government (1.0 Credit) *required Civics exam	<u><b>0.5 Credit</b></u> Economics AP Econ  <b>AND</b>
				<u><b>0.5 Credit</b></u> Psychology Sociology AP Psych. (1.0 Credit)
<b>HEALTH</b> 0.5 credit	<u><b>0.5 Credit</b></u>			
<b>PE</b> 1.5 credits	<u><b>0.5 Credit</b></u>	<u><b>0.5 Credit</b></u>	<u><b>0.5 Credit</b></u>	
<b>ELECTIVES</b>				
	Required Credits:	Required Credits:	Required Credits:	Required Credits:
	Elective Credits:	Elective Credits:	Elective Credits:	Elective Credits:
	Total Credits:	Total Credits:	Total Credits:	Total Credits:
	6.0 credits minimum	6.0 credits minimum	6.0 credits minimum	5.5 credits minimum



**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, Transcribed Credit, Early College Credit Program, Start College Now, Youth Apprenticeship
- **Gain first-hand knowledge from career professionals**



## Dual Credit: College-Level Coursework

	Advanced Placement (AP)	Start College Now (SCN)	Early College Credit Program (ECCP)
DESCRIPTION	Exposure to college level coursework Good indication of college readiness	Take up to two courses at a time at a Wisconsin Technical College	Take up to two courses at a time at a 4-year WI University
SITE	Memorial High School North High School	WI Technical Colleges	WI College/University
TAUGHT BY	Eau Claire School District teachers	College professor	College professor
REQUIREMENTS	Most AP courses have prerequisites. AP courses are independent of the AP exam. You may take AP exams without taking the course if you feel you can prepare for the exam independently. AP Exams available for French, Spanish, German, and Japanese. <b>You MUST register for the AP exam by November 1.</b>	11th and 12th graders Maximum of 18 credits total including ECCP Admission requirements set by post-secondary school Course must not be comparable to any ECASD course and it will be elective credit only. Application deadlines: October 1-spring semester course March 1- fall semester course	Grades 9-12 Maximum of 18 credits total including SCN Admission requirements set by post-secondary school Grade 9 needs a teacher letter of recommendation. Course must not be comparable to any ECASD course and it will be elective credit only. Application deadlines: October 1 - spring semester course March 1 - fall semester course
GRADES & CREDIT OPPORTUNITY	Grade is based on class performance. College credit is based on your score on the AP exam.  Scores of 3 or above (1-5 scale) are 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. You will receive exam scores in July.	Grades are earned through the college awarding credit  Grade will be recorded on transcript at both the high school and technical college  Earn 0.25 high school credit per 1.0 semester credit offered by the post-secondary course	Grades are earned through the college awarding credit  Grade will be recorded on transcript at both the high school and college/university  Earn 0.25 high school credit per 1.0 semester credit offered by the post-secondary course
COST	Student Fee for optional AP Exam	Transportation is your 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 (student if 18 years or older) will be required to reimburse 100% of the tuition to ECASD if student does not complete the course or fails the course.	Transportation is your 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 (student if 18 years or older) will be required to reimburse 100% of the tuition 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 and it will be elective credit only.	Determined by college prerequisites  Course must not be comparable to any ECASD course and it will be elective credit only.

## Dual Credit: College-Level Coursework

	Transcripted Credit (TC)	Project Lead The Way (PLTW)
DESCRIPTION	<p>Agreement between ECASD and Technical Colleges allowing you to earn “transcripted credits” (TC) for approved courses</p> <p>Transcripted Credit courses are actual Technical College courses, using college textbooks and materials</p> <p>Taught at the high schools by ECASD staff who are Technical College certified</p>	National College pre-engineering program designed to provide an opportunity to apply math and science skills while exploring the broad field of engineering
SITE	Memorial and North High Schools	Memorial and North High Schools
TAUGHT BY	Eau Claire School District teachers	Eau Claire School District teachers
REQUIREMENTS	You will also register with Technical Colleges at the start of the class to earn TC	<p>Classes are taught in sequence</p> <p>Some classes have prerequisites</p>
GRADES & CREDIT OPPORTUNITY	<p>College grades and credit are recorded on a Technical College transcript and are included in your collegiate GPA</p> <p><b>NOTE: 1.0 CVTC credit = 0.25 ECASD high school credit</b></p>	<p>Your grade is based on class performance</p> <p>Credit transfer is based on your score on the PLTW exam</p> <p>Credits are earned through Milwaukee School of Engineering</p> <p>May be computed as part of your college GPA</p>
COST	None	<p>No cost for exam</p> <p>With a score of 7, 8, or 9 out of 9, you may pay a fee per course for Milwaukee School of Engineering credit</p>
COURSES	<p>Intro to Accounting</p> <p>Accounting I</p> <p>Marketing I, II</p> <p>Microsoft Office Suite</p> <p>Entrepreneurship</p> <p>Health Science Occupations</p> <p>Personal Finance</p> <p>Parents and Children</p> <p>Careers with Children</p> <p>Computer Hardware</p> <p>Woodworking II</p> <p>Welding II</p> <p>Criminal Justice</p> <p>Introduction to Teacher Education</p> <p>Medical Terminology</p> <p>Auto Mechanics I, II</p>	<p>Digital Electronics</p> <p>Introduction to Engineering Design</p> <p>Civil Engineering &amp; Architecture</p> <p>Principles of Engineering</p> <p>Aerospace Engineering</p> <p>Computer Science Essentials</p>

## Internships, Youth Apprenticeships, Work-Based Learning Programs

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. You may choose to complete a one-year or a two-year apprenticeship. For a one-year apprenticeship, you are required to complete one credit (two semesters) of relevant courses and 450 hours of work experience. For a two-year apprenticeship, you 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 with CESA 10 and the Wisconsin Department of Workforce Development. Due to limited availability of work sites, positions in some areas are highly competitive.

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

If you have any questions about Internships, Youth Apprenticeship or Work-Based Learning, contact Michelle Radtke, Director of Academic Services, at [mradtke@ecasd.us](mailto:mradtke@ecasd.us) 715-852-3091 or the following building Youth Apprenticeship Coordinators.

Memorial High School	Brittany Holden	Phone Number	<a href="mailto:bholden@ecasd.us">bholden@ecasd.us</a>
North High School	Doug Devine	Phone Number	<a href="mailto:ddevine@ecasd.us">ddevine@ecasd.us</a>

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

### Youth Apprenticeships At-A-Glance

- Students in grades 11-12
- 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

If you are interested in applying for a Youth Apprenticeship, contact the Youth Apprenticeship coordinator at your school.

**Availability of Youth Apprenticeship opportunities is dependent on the number of businesses in the community willing to partner with the school district.**



<b>YOUTH APPRENTICESHIP PROGRAM</b>	<b>RELATED COURSES: Taken prior to or concurrently</b>
Agriculture, Food, & Natural Resources GRADE: 11, 12 1 credit /year	Agriculture and Natural Resources Courses Other Options available
Transportation, Distribution, & Logistics GRADE: 11, 12 1 credit /year	Automotive Mechanics courses Other Options available
Information Technology GRADE: 11, 12 1 credit /year	Business Courses Technology & Engineering Courses Other Options Available
Science, Technology, Engineering, & Math (STEM) GRADE: 11, 12 1 credit /year	Engineering Courses Other Options available
Finance GRADE: 11, 12 1 credit /year	Business Courses Other Options available
Marketing GRADE: 11,12 1 credit /year	Business Courses Other Options available
Graphic Design GRADE: 11, 12 1 credit /year	Graphic Design Courses Other Options available
Health Science GRADE: 11, 12 1 credit /year	Health Science Occupations Medical Terminology Other Options available
Hospitality, Lodging, & Tourism GRADE: 11, 12 1 credit /year	Business Courses Marketing Courses Culinary Courses Other Options available
Manufacturing GRADE: 11, 12 1 credit /year	Metals/Welding Woodworking
Architecture & Construction GRADE: 11, 12 1 credit /year	Construction Courses Other Options available



## Post-Secondary Planning

### Wisconsin and Minnesota Universities Admissions Requirements

<b>English</b>	<b>4 Credits</b>
<b>Social Studies</b>	<b>3 Credits</b>
<b>Natural Science</b>	<b>3 Credits</b>
<b>Math</b>	<b>3 Credits (WI) Including:</b> Algebra (1.0) Geometry (1.0) Algebra II/Algebra II & Trig./Accelerated Algebra II & PreCalc. (1.0) <b>4 Credits (MN)</b>
<b>World Language</b>	<b>Required:</b> UW Madison, and Minnesota Universities-2 years of the same language  <b>Recommended by UW Madison:</b> More than 2 years
<b>Fine Arts</b>	<b>Required:</b>  Minnesota Universities (1.0) credit of fine arts
<p><b>Remaining coursework should be selected to support an Academic and Career Plan for post-secondary success.</b></p> <p>Refer to individual university websites for their specific requirements.</p> <p>You are encouraged to select courses beyond the minimum. Completing rigorous courses will make you a stronger candidate for college admission.</p>	

## Wisconsin Technical College System Admission Requirements

To apply for admission to an Associate Degree program or Diploma program, you must have accomplished one of the following:

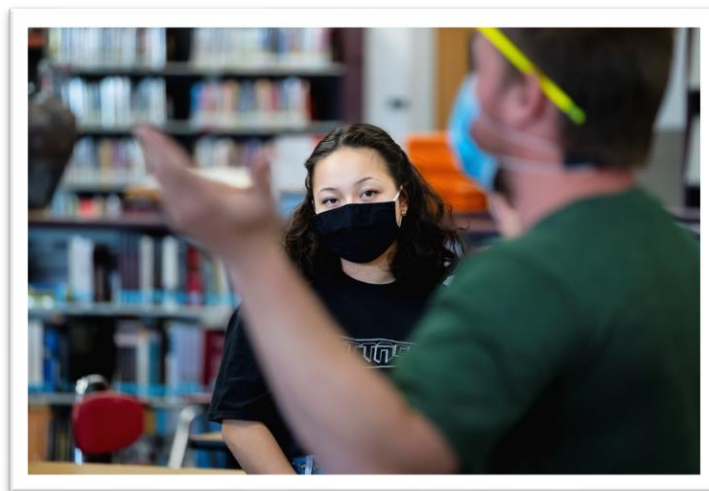
- graduation from high school;
- **or** completion of an accredited high school equivalency program;
- **or** completion of a GED or HSED.



Many technical college programs have additional requirements for admission. Some have specific course requirements; some require that you achieve a "C" or better grade in those courses. Refer to program listings on the technical college web site at [www.wtcsystem.edu](http://www.wtcsystem.edu) for the most current admission requirements.

### Private College Admission Requirements

Wisconsin has several private colleges and universities. The Wisconsin Association of Independent Colleges and Universities (WAICU), supports these schools. Its mission is to provide access to higher education for every qualified student. The strongest candidates for admission have taken four years of English and three or more years of mathematics, natural science, and social science. Most students go beyond this minimum, taking advantage of AP courses. Some private colleges may expect two or more years of a world language. The greater the number of courses taken in the subjects listed above, the stronger the application. For specific admission requirements at Wisconsin Private Schools, please go to [www.wisconsinprivatecolleges.org](http://www.wisconsinprivatecolleges.org). Refer to the website for any other private schools.



# Course Listing by Department

## Key:

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

**NOTE: 1.0 CVTC credit = 0.25 ECASD high school credit**

Course #	Course Title	Credits	Page	Grade
<b>Ag and Natural Resources</b>	<i>Course Descriptions begin on page 22</i>			
0101	Intro to Agriculture	0.5	22	9-12
0102	Horticulture	0.5	22	9-12
0110	Small Animal Science	0.5	22	9-12
0116	Wildlife and Natural Resources	0.5	22	9-12
<b>Art</b>	<i>Course Descriptions begin on page 23</i>			
0200	Combined Visual Arts	0.5	23	9-12
0202	Graphic Art I	0.5	23	9-12
0204	Graphic Art II *	0.5	23	9-12
0206	Drawing I	0.5	23	9-12
0208	Drawing II *	0.5	23	9-12
0210	Jewelry/Sculpture I	0.5	23	9-12
0212	Jewelry/Sculpture II *	0.5	23	9-12
0214	Painting I	0.5	24	9-12
0216	Painting II *	0.5	24	9-12
0218	Pottery/Sculpture I	0.5	24	9-12
0220	Pottery/Sculpture II *	0.5	24	9-12
0226	Three-Dimensional Specialized Art I *	0.5	24	11-12
0228	Three-Dimensional Specialized Art II *	0.5	24	11-12
0236	AP Studio Art: Drawing *	1.0	24	11-12
0238	AP Studio Art: 3-D Design *	1.0	25	11-12
1328	Photography I	1.0	25 & 47	9-12
1330	Photography II *	1.0	25 & 48	10-12
0308	Yearbook	1.0	25, 27, & 33	9-12
<b>Art/Theatre</b>	<i>Course Descriptions begin on page 26</i>			
0628	Theatre I	0.5	26	9-12
0630	Theatre II *	0.5	26	9-12
0632	Theatre III *	0.5	26	10-12
0638	Documentary Theatre *	0.5	26	10-12
<b>Business, Marketing &amp; IT</b>	<i>Course Descriptions begin on page 27</i>			
0300	Accounting Concepts	0.5	27	10-12
0302	Intro to Accounting (TC)	0.75	27	10-12
0303	Accounting I (TC)	1.0	27	11-12
0304	Microsoft Office Suite (TC)	0.5	27	9-12
0306	Digital Marketing* (offered 2023-24)	0.5	27	10-12
0308	Yearbook	1.0	25, 27, & 33	9-12
0318	Entrepreneurship (TC)	0.75	27	9-12
0322	Marketing I (TC)	1.0	28	9-12
0324	Marketing II (TC) *	1.0	28	10-12

Course #	Course Title	Credits	Page	Grade
0326	Sports & Entertainment Marketing ( <i>offered 2024-25</i> )	0.5	28	10-12
0328	Personal Finance (TC)	0.5	28	10-12
0330	Personal Law	0.5	28	11-12
<b>Family and Consumer Sciences</b>	<b><i>Course Descriptions begin on page 29</i></b>			
0400	Health Science Occupations (TC)	0.5	29	9-12
0440	Medical Terminology (TC)	0.75	29	10-12
0416	Culinary Arts I	0.5	29	9-12
0418	Culinary Arts II *	0.5	29	9-12
0414	Baking and Pastry Arts *	0.5	29	9-12
0430	World Cuisines *	0.5	29	9-12
0420	Your Skills, Your Finances and Your Future	0.5	29	9-12
0424	Parents and Children (TC)	0.75	30	9-12
0426	Careers with Children (TC) *	0.75	30	11-12
0428	Fashion, Fabric and Construction	0.5	30	9-12
0429	Housing and Interior Design	0.5	30	9-12
0408	FACS Co-op *	1.0	30	12
1740	Introduction to Teacher Education (TC)	0.75	30 & 31	10-12
<b>Health</b>	<b><i>Course Descriptions begin on page 31</i></b>			
1000	Health 9	0.5	31	9
	Health 9 - Summer	0.5	31	9
<b>Independent Programs</b>	<b><i>Course Descriptions begin on page 31</i></b>			
1700	Library Assistant	0.5	31	10-12
1740	Introduction to Teacher Education (TC)	0.75	30 & 31	10-12
<b>Language Arts</b>	<b><i>Course Descriptions begin on page 32</i></b>			
0600	English 9	1.0	32	9
0604	English 10	1.0	32	10
0608	English 11	1.0	32	11
0614	English 12	1.0	32	12
0616	AP English – Language & Composition	1.0	32	11-12
0618	AP English – Literature & Composition	1.0	32	11-12
0619	Grammar and Usage	0.5	33	10-12
0624	Myths & Legends from Around the World	0.5	33	10-12
0626	Writing with Style	0.5	33	11-12
0308	Yearbook	1.0	25, 27, & 33	9-12
<b>Math</b>	<b><i>Course Descriptions begin on page 34</i></b>			
0700	Algebra I	1.0	34	9-12
0708	Geometry *	1.0	34	9-12
0716	Algebra II & Trigonometry *	1.0	34	9-12
0714	Accelerated Algebra II/Precalculus*	1.0	34	10-11
0720	Statistics *	0.5	34	12
0721	Functions for College Math *	0.5	34	12
0722	Precalculus *	1.0	34	10-12
0724	AP Statistics *	1.0	35	10-12

Course #	Course Title	Credits	Page	Grade Level
0726	AP Calculus AB *	1.0	35	11-12
0728	AP Calculus BC *	1.0	35	11-12
1312	Digital Electronics (PLTW) *	1.0	35 & 47	10-12
<b>Music</b>	<b><i>Course Descriptions begin on page 36</i></b>			
0800	Entry Level Concert Band: White & Purple Bands (Memorial) * Concert Band (North) *	1.0	36	9 MHS 10-12 NHS
0802	Intermediate Level Concert Band: Eagle Band (Memorial)	1.0	36	10-12
0804	Intermediate/Advanced Level Concert Band: Concert Band (Memorial) Symphonic Band (North)	1.0	36	10-12 MHS 9-12 NHS
0806	Advanced Level Concert Band: Old Abe Wind Ensemble (Memorial) Wind Ensemble (North)	1.0	36	10-12
0807	Entry Level Jazz (North)	0.5	36	9-12
0808	Entry Level Jazz: Jazz III Early Bird (Memorial)	0.5	36	9-12
0810	Intermediate Level Jazz: Jazz II Early Bird (Memorial)	0.5	37	10-12
0812	Advanced Level Jazz: Jazz I	1.0	37	10-12
0814	Concert Orchestra	1.0	37	9-12
0815	Advanced Orchestra Chamber Orchestra (Memorial) Alternative Strings Ensemble (North)	0.5	37	9-12
0816	Entry Level Orchestra (Memorial)	0.5	37	9-12
0817	Orchestra Winds/Percussion Early Bird (Memorial)	0.5	37	9-12
0818	Advanced Level Symphony Orchestra	1.0	37	10-12
0820	Entry Level Choir: Treble Choir	1.0	38	9-12
0821	Entry Level Choir: Bass Choir (North)	1.0	38	9-12
0822	Mixed Choir (Memorial)	1.0	38	9-12
0824	Upper Level Choir: Concert Choir	1.0	38	10-12
0828	Advanced Show Choir: Old Abe Show Choir (Memorial) Northernaires (North)	0.5	38	10-12
0829	Advanced Chamber Choir (North)	0.5	38	9-12
0830	Advanced A Cappella Choir: Madrigals (Memorial)	0.5	38	11-12
0836	AP Music Theory	1.0	38	10-12
<b>Physical Education</b>	<b><i>Course Descriptions begin on page 39</i></b>			
0900	Level I Physical Education: Pillars of Wellness	0.5	39	9
	Level I Physical Education – Summer offering	0.5	39	9
0902	Level II Physical Education: Physical Wellness *	0.5	39	10
0910	Early Bird WSI/LGT *	0.5	39	10-12
0912	Level I Early Bird: Pillars of Wellness	0.5	39	9
0914	Level II Early Bird: Physical Wellness *	0.5	40	10
0916	Level III Early Bird: Lifetime Fitness/Sport Education *	0.5	40	11
0918	Level III Physical Education: Competitive Sport Education *	0.5	40	11-12
0920	Level III Physical Education: Lifetime Fitness *	0.5	40	11-12
0924	Level III Strength and Conditioning I *	0.5	40	11-12
0926	Level III Strength and Conditioning II *	0.5	40	11-12
0928	Level IV Strength and Conditioning III *	0.5	41	12
0906	Senior Physical Education	0.5	41	12
0952	Officiating	0.5	41	11-12

Course #	Course Title	Credits	Page	Grade Level
<b>Science</b>	<b><i>Course Descriptions begin on page 42</i></b>			
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	42	9-12
1118	Oceanography/Meteorology *	0.5	42	10-12
1120	Physics *	1.0	42	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 & 48	10-12
<b>Social Studies</b>	<b><i>Course Descriptions begin on page 45</i></b>			
1200	United States History	0.5	45	9
1202	AP United States History	1.0	45	10-12
1204	World Studies	1.0	45	10
1206	AP European History	1.0	45	10-12
1244	AP Human Geography	1.0	45	9-12
1208	United States Government	0.5	45	11
1210	AP United States Government and Politics	1.0	45	11-12
1214	Principles of Economics	0.5	45	12
1216	AP Macroeconomics	0.5	46	11-12
1218	Psychology	0.5	46	12
1220	AP Psychology	1.0	46	11-12
1222	Sociology/Social Issues	0.5	46	12
1226	Ancient and Medieval History	0.5	46	10-12
1228	Criminal Justice (TC)	0.75	46	9-12
1231	Introduction to Philosophy	0.5	46	9-12
1240	The Vietnam War	0.5	46	9-12
1246	Hmong History and Culture	0.5	46	9-12
<b>Technology &amp; Engineering</b>	<b><i>Course Offerings begin on page 47</i></b>			
1306	Entertainment Technology	1.0	47	9-12
1309	Aerospace Engineering (PLTW)	1.0	47	10-12
1310	Introduction to Electricity and Residential Wiring	0.5	47	9-12
1312	Digital Electronics (PLTW) *	1.0	35 & 47	10-12
1318	Introduction to Engineering Design (PLTW)	1.0	47	9-12
1320	Civil Engineering and Architecture (PLTW)	1.0	47	10-12
1324	Principles of Engineering (PLTW) *	1.0	44 & 47	10-12
1328	Photography I	1.0	25 & 47	9-12
1330	Photography II *	1.0	25 & 48	10-12

Course #	Course Title	Credits	Page	Grade Level
1332	Printing Graphics I	1.0	48	9-12
1334	Printing Graphics II *	0.5	48	10-12
1341	Metals/Welding I	1.0	48	9-12
1342	Welding II (TC) *	1.0	48	10-12
1346	Woodworking I	1.0	48	9-12
1348	Woodworking II (TC) *	1.25	48	10-12
1349	Construction	0.5	48	9-12
1352	Recreational Small Engines	0.5	48	9-12
1354	Vehicle Care	0.5	49	10-12
1356	Automotive Mechanics I (TC)	1.0	49	11-12
1358	Automotive Mechanics II * (TC)	1.0	49	12
1369	Introduction to Computer Hardware	0.5	49	9-12
1370	Computer Hardware (TC)	0.75	49	11-12
1378	Cartoon Animation	0.5	49	9-12
1382	Video Game Development	1.0	49	9-12
1386	Computer Science Essentials (PLTW)	1.0	50	9-12
<b>World Languages</b>	<b><i>Course Offerings begin on page 51</i></b>			
0500	French I	1.0	51	9-12
0502	French II *	1.0	51	9-12
0504	French III *	1.0	51	10-12
0506	French IV *	1.0	51	11-12
0508	French V * (AP Exam available)	1.0	51	12
0510	German I	1.0	51	9-12
0512	German II *	1.0	51	9-12
0514	German III *	1.0	51	10-12
0516	German IV *	1.0	52	11-12
0518	German V * (AP Exam available)	1.0	52	12
0520	Japanese I	1.0	52	9-12
0522	Japanese II *	1.0	52	10-12
0524	Japanese III *	1.0	52	11-12
0526	Japanese IV * (AP Exam available)	1.0	52	12
0528	Spanish I	1.0	52	9-12
0530	Spanish II *	1.0	52	9-12
0532	Spanish III *	1.0	53	10-12
0534	Spanish IV *	1.0	53	11-12
0536	Spanish V * (AP Exam available)	1.0	53	12
0538	American Sign Language I	1.0	53	9-12
0540	American Sign Language II *	1.0	53	10-12
0550	Hmong I	1.0	53	9-12
0552	Hmong II*	1.0	53	10-12

**Key:**

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

**NOTE: 1.0 CVTC credit = 0.25 ECASD high school credit**

# Agriculture and Natural Resources

## **0101 Intro to Agriculture** Semester Credit: 0.5 Grades 9-12 Elective

Agriculture 101 is an introductory course designed to expose students to different facets of FFA and the agriculture industry. Students will gain knowledge in animal science, plant science, leadership skills, public speaking and FFA opportunities.

## **0102 Horticulture** Semester Credit: 0.5 Grades 9-12 Elective

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.

## **0110 Small Animal Science** Semester Credit: 0.5 Grades 9-12 Elective

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 and Natural Resources** Semester Credit: 0.5 Grades 9-12 Elective

This course deals with the identification and management of game birds, small wildlife animals, game fish, large game animals, and endangered species. The course will also cover wildlife ethics, conservation practices, hunting and trapping, and current events. Students will also complete online safety courses.

### **Youth Apprenticeship available in the areas below: See pages 13 & 14**

- Agriculture, Food, & Natural Resources



# Art

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<b>0200</b>	<b>Combined Visual Arts</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 9-12</b>	<b>Elective</b>
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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!

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<b>0202</b>	<b>Graphic Art I</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 9-12</b>	<b>Elective</b>
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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.

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<b>0204</b>	<b>Graphic Art II</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 9-12</b>	<b>Elective</b>
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*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.

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<b>0206</b>	<b>Drawing I</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 9-12</b>	<b>Elective</b>
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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.

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<b>0208</b>	<b>Drawing II</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 9-12</b>	<b>Elective</b>
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*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.

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<b>0210</b>	<b>Jewelry/Sculpture I</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 9-12</b>	<b>Elective</b>
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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.

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<b>0212</b>	<b>Jewelry/Sculpture II</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 9-12</b>	<b>Elective</b>
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*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.

<b>0214</b>	<b>Painting I</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 9-12</b>	<b>Elective</b>
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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.

<b>0216</b>	<b>Painting II</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 9-12</b>	<b>Elective</b>
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*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.

<b>0218</b>	<b>Pottery/Sculpture I</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 9-12</b>	<b>Elective</b>
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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.

<b>0220</b>	<b>Pottery/Sculpture II</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 9-12</b>	<b>Elective</b>
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*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.

<b>0226</b>	<b>Three-Dimensional Specialized Art I</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 11-12</b>	<b>Elective</b>
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*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 art work at the end of the course. You may be charged a minimal fee for additional projects based on the materials you choose.

<b>0228</b>	<b>Three-Dimensional Specialized Art II</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grade 11-12</b>	<b>Elective</b>
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*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.

<b>0236</b>	<b>Advanced Placement Studio Art: Drawing</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 11-12</b>	<b>Elective</b>
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*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.*

<b>0238</b>	<b>Advanced Placement Studio Art: 3-D Design</b>	<b>Year</b>	<b>Credit 1.0</b>	<b>Grades 11-12</b>	<b>Elective</b>
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*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 11.*

<b>1328</b>	<b>Photography I</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 9-12</b>	<b>Elective</b>
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Photography is part of our everyday life! Learn what it takes to make 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).

<b>1330</b>	<b>Photography II</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 10-12</b>	<b>Elective</b>
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*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).

<b>0308</b>	<b>Yearbook</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 9-12</b>	<b>Elective</b>
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Record the history of your high school! Learn to design, edit, and promote a yearbook providing you with a real-life opportunity to apply critical thinking, creativity, teamwork, and technological savvy. Create published pages using the industry standard software – Adobe Photoshop and InDesign. This is a deadline-oriented course that demands a high level of self-initiative and organizational skills.



## Art/Theatre

<b>0628 Theatre I</b>	<b>Semester</b>	<b>Credit 0.5</b>	<b>Grades 9-12</b>	<b>Elective</b>
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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.

<b>0630 Theatre II</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 9-12</b>	<b>Elective</b>
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*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.

<b>0632 Theatre III</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 10-12</b>	<b>Elective</b>
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*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.

<b>0638 Documentary Theatre</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 10-12</b>	<b>Elective</b>
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*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

## **0300 Accounting Concepts** **Semester** **Credit: 0.5** **Grades 10-12** **Elective**

Discover the value of accounting with this introduction to the financial language of sole proprietorships, partnerships, and personal bookkeeping. Whether you plan to pursue business/marketing as a career or you want to gain knowledge for its practical value in your life, a foundation in accounting is a must!

## **0302 Intro to Accounting** **Semester** **Credit: 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.

*This course is transcribed with CVTC course 101-105, Intro to Accounting, 3.0 CVTC credits.*

*See chart on page 12.*



## **0303 Accounting I** **Semester** **Credit: 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.

*This course is transcribed with CVTC course 101-111, Accounting I, 4.0 CVTC credits.*

*See chart on page 12.*



## **0304 Microsoft Office Suite** **Semester** **Credit: 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.

*This course is transcribed with CVTC course 103-102, Microsoft Office Suite, 2.0 CVTC credits.*

*See chart on page 12.*



## **0306 Digital Marketing** **Semester** **Credit: 0.5** **Grades 10-12** **Elective**

*Prerequisite: Marketing I*

*Available alternating years—offered 2023-24*

Social media may seem spontaneous, but for successful organizations, it is not. Experience research, critical thinking, training, and profiling required in determining which social networks to use. After networks are determined, plan messages designed to better connect with audiences, deepen relationships, and drive profits. Investigate geo-marketing, localized marketing, designing for mobile media, mobile advertising, SMS and mobile apps. Use case studies and real-world examples to learn from successes and failures.

## **0308 Yearbook** **Year** **Credit: 1.0** **Grades 9-12** **Elective**

Record the history of your high school! Learn to design, edit, and promote a yearbook providing you with a real-life opportunity to apply critical thinking, creativity, teamwork, and technological savvy. Create published pages using the industry standard software – Adobe Photoshop and InDesign. This is a deadline-oriented course that demands a high level of self-initiative and organizational skills.

## **0318 Entrepreneurship** **Semester** **Credit: 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.

*This course is transcribed with CVTC course 102-130, Innovative Business Mindset, 3.0 CVTC credits.*

*See chart on page 12.*



<b>0322 Marketing I</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 9-12</b>	<b>Elective</b>
<p>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.</p> <p><i>This course is transcribed with CVTC course 104-102, Marketing Principles, 3.0 CVTC credits.</i></p> <p><i>See chart on page 12.</i></p>				



<b>0324 Marketing II</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grade 10-12</b>	<b>Elective</b>
<p><i>Prerequisite: Marketing I</i></p> <p>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.</p> <p><i>This course is transcribed with CVTC course 104-140, Professional Sales, 3.0 CVTC credits.</i></p> <p><i>See chart on page 12.</i></p>				



<b>0326 Sports &amp; Entertainment Marketing</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 10-12</b>	<b>Elective</b>
<p><i>Prerequisite: Marketing I</i></p> <p><i>Available alternating years—offered 2024-25</i></p> <p>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.</p>				

<b>0328 Personal Finance</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 10-12</b>	<b>Elective</b>
<p>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. Participate in the Real Life Academy sponsored by the Eau Claire Area Chamber of Commerce.</p> <p><i>This course is transcribed with CVTC course 114-134, Personal Financial Planning, 2.0 credits.</i></p> <p><i>See chart on page 12.</i></p>				



<b>0330 Personal Law</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 11-12</b>	<b>Elective</b>
<p>Laws affect you at home, in school, in the community, on the internet, with your money and your employment. After consideration of the legal system, the course reviews contracts, sales and lease contracts, warranties, product liability, consumer law, bailments, creditors rights, and bankruptcy. Apply legal principles and practices to your everyday life!</p>				

**Youth Apprenticeships available in the areas below: See pages 13 & 14**

- Finance
- Information Technology
- Hospitality, Lodging, & Tourism
- Marketing

# Family and Consumer Sciences

## **0400 Health Science Occupations Semester Credit: 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.

*This course is transcribed with CVTC course 501-104, Culture of Healthcare, 2.0 CVTC credits.*

*See chart on page 12*



## **0440 Medical Terminology Semester Credit: 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 transcribed with CVTC course 501-101, Medical Terminology, 3.0 CVTC credits.*

*See chart on page 12*



## **0416 Culinary Arts I Semester Credit: 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.

## **0418 Culinary Arts II Semester Credit: 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 Semester Credit: 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 Semester Credit: 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 Semester Credit: 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.



<b>0424</b>	<b>Parents and Children</b>	<b>Semester</b>	<b>Credit: 0.75</b>	<b>Grades 9-12</b>	<b>Elective</b>
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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 transcribed with CVTC course 307-151, Infant and Toddler Development, 3.0 CVTC credits.  
See chart on page 12.*



<b>0426</b>	<b>Careers with Children</b>	<b>Semester</b>	<b>Credit: 0.75</b>	<b>Grades 11-12</b>	<b>Elective</b>
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*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 transcribed with CVTC course 307-148, Foundations of Early Childhood, 3.0 CVTC credits.  
See chart on page 12.*



<b>0428</b>	<b>Fashion, Fabrics &amp; Construction</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 9-12</b>	<b>Elective</b>
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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.

<b>0429</b>	<b>Housing and Interior Design</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 9-12</b>	<b>Elective</b>
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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.

<b>0408</b>	<b>FACS Co-op</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grade 12</b>	<b>Elective</b>
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*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.

<b>1740</b>	<b>Introduction to Teacher Education</b>	<b>Semester</b>	<b>Credit: 0.75</b>	<b>Grades 10-12</b>	<b>Elective</b>
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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 transcribed with CVTC course 522-103, EDU: Intro to Education Practices, 3.0 CVTC credits.  
See chart on page 12.*



**Youth Apprenticeships available in the areas below: See pages 13 & 14**

- Health Science
- Hospitality, Lodging, & Tourism

## Health

**1000 Health 9 Semester Credit: 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.

**Health 9 Summer Credit: 0.5 Grade 9 Fulfills Requirement**

**This course will be offered during summer school face-to-face at the high schools. To register please go to [www.ecasd.us/summer](http://www.ecasd.us/summer).**

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

**1700 Library Assistant Semester Credit: 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 Semester Credit: 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 transcribed with CVTC course 522-103, EDU: Intro to Education Practices, 3.0 CVTC credits.  
See chart on page 12.*



## Language Arts

<b>0600 English 9</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grade 9</b>	<b>Fulfills Requirement</b>
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Explore literary genres and classics. Use the writing process to produce stories, descriptions, essays and poems. Develop speaking and listening skills.

<b>0604 English 10</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grade 10</b>	<b>Fulfills Requirement</b>
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Study novels, plays, poetry, short stories, and non-fiction while utilizing your communication skills, especially writing.

<b>0608 English 11</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grade 11</b>	<b>Fulfills Requirement</b>
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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.

<b>0614 English 12</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grade 12</b>	<b>Fulfills Requirement</b>
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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.

<b>0616 Advanced Placement English Language &amp; Composition</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 11-12</b>	<b>Fulfills Requirement</b>
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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 11.*

<b>0618 Advanced Placement English Literature &amp; Composition</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grade 11-12</b>	<b>Fulfills Requirement</b>
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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 11.*

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<b>0619</b>	<b>Grammar and Usage</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 10-12</b>	<b>Elective</b>
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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.

<b>0624</b>	<b>Myths &amp; Legends from Around the World</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 10-12</b>	<b>Elective</b>
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Read ancient literature and explore creation myths, epics, tragedies, histories, and comedies from the ancient world.

<b>0626</b>	<b>Writing with Style</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 11-12</b>	<b>Elective</b>
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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!

<b>0308</b>	<b>Yearbook</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 9-12</b>	<b>Elective</b>
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Record the history of your high school! Learn to design, edit, and promote a yearbook providing you with a real-life opportunity to apply critical thinking, creativity, teamwork, and technological savvy. Create published pages using the industry standard software – Adobe Photoshop and InDesign. This is a deadline-oriented course that demands a high level of self-initiative and organizational skills.

# Math

<b>0700 Algebra I</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 9-12</b>	<b>Fulfills Requirement</b>
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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.

<b>0708 Geometry</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 9-12</b>	<b>Fulfills Requirement</b>
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*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.

<b>0716 Algebra II &amp; Trigonometry</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 9-12</b>	<b>Fulfills Requirement</b>
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*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.

<b>0714 Accelerated Algebra II/Precalculus</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 10-11</b>	<b>Fulfills Requirement</b>
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*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.

<b>0720 Statistics</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 12</b>	<b>Fulfills Requirement</b>
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*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.

<b>0721 Functions for College Math</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 12</b>	<b>Fulfills Requirement</b>
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*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.

<b>0722 Precalculus</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 10-12</b>	<b>Fulfills Requirement</b>
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*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.

<b>0724</b>	<b>Advanced Placement Statistics</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 10-12</b>	<b>Fulfills Requirement</b>
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*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 11.*

<b>0726</b>	<b>Advanced Placement Calculus AB</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 11-12</b>	<b>Fulfills Requirement</b>
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*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 11.*

<b>0728</b>	<b>Advanced Placement Calculus BC</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 11-12</b>	<b>Fulfills Requirement</b>
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*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 11.*

<b>1312</b>	<b>Digital Electronics</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 10-12</b>	<b>Fulfills Requirement</b>
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*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

**0800 Entry Level Concert Band** **Year** **Credit: 1.0** **Grade 9** **Elective**  
**Memorial: Purple & White Bands** (Memorial)

**Credit: 1.0** **Grades 9-12** **Elective**

**North: Concert Band**

(North)

*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** **Year** **Credit: 1.0** **Grade 10-12** **Elective**

**Memorial only: Eagle Band**

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** **Year** **Credit: 1.0** **Grade 10-12** **Elective**  
**Concert Band**

**Memorial: Concert Band**

**North: Symphonic Band**

*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** **Year** **Credit: 1.0** **Grades 10-12** **Elective**

**Memorial: Old Abe Wind Ensemble**

**North: Wind Ensemble**

*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.

**0807 Entry Level Jazz:** **Year** **Credit: 0.5** **Grade 9-12** **Elective**

**(North only-every other day)**

*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** **Year** **Credit: 0.5** **Grade 9-12** **Elective**

**(Memorial only-Early Bird every other day)**

*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.

<b>0810 Intermediate Level Jazz: Jazz II</b>	<b>Year</b>	<b>Credit: 0.5</b>	<b>Grades 10-12</b>	<b>Elective</b>
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**(Memorial only-Early Bird every other day)**

*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.

<b>0812 Advanced Level Jazz: Jazz I</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 10-12</b>	<b>Elective</b>
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*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

<b>0814 Concert Orchestra</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 9-12</b>	<b>Elective</b>
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*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.

<b>0815 Advanced Orchestra</b>	<b>Year</b>	<b>Credit: 0.5</b>	<b>Grades 9-12</b>	<b>Elective</b>
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**Memorial: Chamber Orchestra (Early Bird-every other day)**

**North: Alternative Strings Ensemble (every other day)**

*Qualification through spring auditions and/or consent of the instructor*

These students will perform outside of school and audition for state and national events.

<b>0816 Entry Level Orchestra</b>	<b>Year</b>	<b>Credit: 0.5</b>	<b>Grades 9-12</b>	<b>Elective</b>
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**(Memorial Only)**

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.

<b>0817 Orchestra Winds/Percussion</b>	<b>Year</b>	<b>Credit: 0.5</b>	<b>Grades 9-12</b>	<b>Elective</b>
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**Early Bird**

**(Memorial Only)**

*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.

<b>0818 Advanced Level</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 10-12</b>	<b>Elective</b>
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**Orchestra: Symphony**

*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

**0820 Entry Level Choir: Treble Choir**      **Year**      **Credit: 1.0**      **Grade 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**      **Year**      **Credit: 1.0**      **Grade 9-12**      **Elective**

North ONLY: Be part of a choir performing music that is specific to the tenor/bass voice. Perform at concerts, contests, and community events.

**0822 Mixed Choir**      **Year**      **Credit: 1.0**      **Grade 9-12**      **Elective**

Memorial ONLY: 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**      **Year**      **Credit: 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.

**0828 Advanced Show Choir**      **Year**      **Credit: 0.5**      **Grades 10-12**      **Elective**

**Memorial: Old Abe Show Choir**

**North: Northernaires**

**Course meets every other day**

*Qualification through spring auditions and/or consent of the instructor*

*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.*

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.

**0829 Advanced Chamber Choir**      **Year**      **Credit: 0.5**      **Grades 9-12**      **Elective**

**(North only-every other day)**

*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**      **Credit: 0.5**      **Grades 11-12**      **Elective**

**(Memorial only- every other day)**

*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.

**0836 Advanced Placement Music Theory**      **Year**      **Credit: 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 11.*

## Physical Education

<b>0900 Level I Physical Education</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Recommended Grade 9</b>
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### **Pillars of Wellness**

### **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.

### **Level I Physical Education**

**Summer**

**Credit 0.5**

**Recommended Grade 9**

### **Pillars of Wellness**

### **Fulfills Requirement**

**This course will be offered during summer school face-to-face at the high schools. To register, go to [www.ecasd.us/summer](http://www.ecasd.us/summer) by the summer school deadline.**

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**

**Semester**

**Credit 0.5**

**Recommended Grade 10**

### **Physical Wellness**

### **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**

**Credit: 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**

**Semester**

**Credit: 0.5**

**Recommended Grade 9**

### **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.

<b>0914</b>	<b>Level II Early Bird</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Recommended Grade 10</b> <b><u>Fulfills Requirement</u></b>
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*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.

<b>0916</b>	<b>Level III Early Bird</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Recommended Grade 11</b> <b><u>Fulfills Requirement</u></b>
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*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.

<b>0918</b>	<b>Level III Physical Education: Competitive Sport</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Recommended Grade 11</b> <b><u>Fulfills Requirement</u></b>
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*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.

<b>0920</b>	<b>Level III Physical Education: Lifetime Fitness</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Recommended Grade 11</b> <b><u>Fulfills Requirement</u></b>
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*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.

<b>0924</b>	<b>Level III Physical Education: Strength and Conditioning I</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 11-12</b> <b><u>Fulfills Requirement</u></b>
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*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.

<b>0926</b>	<b>Level III Physical Education: Strength and Conditioning II</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 11-12</b>	<b>Elective</b>
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*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.

<b>0928</b>	<b>Level IV Physical Education: Strength and Conditioning III</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grade 12</b>	<b>Elective</b>
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*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.

<b>0906</b>	<b>Senior Physical Education</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grade 12</b>	<b>Elective</b>
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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!

<b>0952</b>	<b>Officiating</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grade 11-12</b>	<b>Elective</b>
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*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

<b>1100</b>	<b>Earth Science</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grade 9</b>	<b>Fulfills Requirement</b>
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Improve your laboratory skills while studying the earth and the forces that shape it.

<b>1104</b>	<b>Astronomy/Geology</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grade 9-12</b>	<b>Fulfills Requirement</b>
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(Physical Science)

*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.

<b>1106</b>	<b>Biology</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grade 9-10</b>	<b>Fulfills Requirement</b>
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(Life Science)

Enhance your curiosity about living things and their environments in this introduction to the life sciences.

<b>1114</b>	<b>Chemistry</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grade 9-12</b>	<b>Fulfills Requirement</b>
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(Physical Science)

*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.

<b>1118</b>	<b>Oceanography/Meteorology</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grade 10-12</b>	<b>Fulfills Requirement</b>
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(Physical Science)

*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.

<b>1120</b>	<b>Physics</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grade 9-12</b>	<b>Fulfills Requirement</b>
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(Physical Science)

*Prerequisite or Concurrent enrollment: Algebra II or Algebra II & Trigonometry*

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.

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<b>1126</b>	<b>Advanced Placement Biology</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 10-12</b>	<b>Fulfills Requirement</b>
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(Life Science)

*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 11.*

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<b>1128</b>	<b>Biotechnology</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 11-12</b>	<b>Fulfills Requirement</b>
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(Life Science)

*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.

*Transcripted credit removed as of end of the 2022-23 school year.*

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<b>1134</b>	<b>Advanced Placement Chemistry</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 10-12</b>	<b>Fulfills Requirement</b>
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(Physical Science)

*Prerequisite: Chemistry and Algebra II & Trigonometry*

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 11.*

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<b>1136</b>	<b>Environmental Science A</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 10-12</b>	<b>Fulfills Requirement</b>
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(Physical Science)

*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.

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<b>1138</b>	<b>Environmental Science B</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 10-12</b>	<b>Fulfills Requirement</b>
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(Physical Science)

*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.

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<b>1140</b>	<b>Introduction to Human Anatomy &amp; Physiology</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 10-12</b>	<b>Fulfills Requirement</b>
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(Life Science)

*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.

<b>1142</b>	<b>Advanced Placement</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 10-12</b>	<b>Fulfills Requirement</b>
<b>Physics C: Mechanics</b>					

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(Physical Science)

*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 11.*

<b>1324</b>	<b>Principles of Engineering</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 10-12</b>	<b>Fulfills Requirement</b>
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(Physical Science)

*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 12.*

# Social Studies

<b>1200 United States History</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grade 9</b>	<b>Fulfills Requirement</b>
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*Satisfies 9th grade Social Studies requirement*

Learn America's history from the 1929 crash of the stock market through September 11, 2001.

<b>1202 Advanced Placement US History</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 10-12</b>	<b>Fulfills Requirement</b>
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*Satisfies 9th grade Social Studies 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 11.*

<b>1204 World Studies</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grade 10</b>	<b>Fulfills Requirement</b>
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*Satisfies 10th grade Social Studies 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.

<b>1206 Advanced Placement European History</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 10-12</b>	<b>Fulfills Requirement</b>
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*Satisfies 10th grade Social Studies 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 11.*

<b>1244 Advanced Placement Human Geography</b>	<b>Year</b>	<b>Credit 1.0</b>	<b>Grades 9-12</b>	<b>Fulfills Requirement</b>
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*Satisfies 10th grade Social Studies 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 11.

<b>1208 United States Government</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grade 11</b>	<b>Fulfills Requirement</b>
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*Satisfies 11th grade Social Studies 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.

<b>1210 Advanced Placement United States Government and Politics</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 11-12</b>	<b>Fulfills Requirement</b>
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*Satisfies 11th grade Social Studies 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.

The Wisconsin Civics Test required by the State of Wisconsin for graduation will be administered in this class.

*Advanced Placement courses provide an opportunity to earn college credit. See chart on page 11.*

<b>1214 Principles of Economics</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grade 12</b>	<b>Fulfills Requirement</b>
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*Satisfies 12th grade Economics 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.

<b>1216 Advanced Placement Macroeconomics</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 11-12</b>	<b>Fulfills Requirement</b>
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*Satisfies 12<sup>th</sup> grade Economics 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 11.*

<b>1218 Psychology</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grade 12</b>	<b>Fulfills Requirement</b>
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*Satisfies 12<sup>th</sup> grade Behavioral Science 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.

<b>1220 Advanced Placement Psychology</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 11-12</b>	<b>Fulfills Requirement</b>
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*Satisfies 12<sup>th</sup> grade Behavioral Science 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 11.*

<b>1222 Sociology/Social Issues</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grade 12</b>	<b>Fulfills Requirement</b>
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*Satisfies 12<sup>th</sup> grade Behavioral Science requirement*

Explore human social behavior, social structure, culture, and social change while studying topics such as conformity, adolescence, deviance and racial relations.

<b>1226 Ancient and Medieval History</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grade 10-12</b>	<b>Elective</b>
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*Satisfies 12<sup>th</sup> grade Behavioral Science requirement*

Explore human social behavior, social structure, culture, and social change while studying topics such as conformity, adolescence, deviance and racial relations.

<b>1228 Criminal Justice</b>	<b>Semester</b>	<b>Credit: 0.75</b>	<b>Grades 9-12</b>	<b>Elective</b>
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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 transcribed with CVTC course 504-900, Intro to Criminal Justice, 3.0 CVTC credits.*

*See chart on page 12.*



<b>1231 Introduction to Philosophy</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 9-12</b>	<b>Elective</b>
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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.

<b>1240 The Vietnam War</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 9-12</b>	<b>Elective</b>
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Take an in-depth journey through the Vietnam War by examining the historical, economical, and political impact of this war.

<b>1246 Hmong History and Culture</b>	<b>Semester</b>	<b>Credit: .5</b>	<b>Grades 9-12</b>	<b>Elective</b>
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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

## **1306 Entertainment Technology** **Year** **Credit: 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** **Year** **Credit 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 11.*

## **1310 Introduction to Electricity and Residential Wiring** **Semester** **Credit: 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** **Year** **Credit: 1.0** **Grades 10-12** **Fulfills Math Req.**

*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 11.*

## **1318 Introduction to Engineering Design** **Year** **Credit: 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 your work.

*This is a Project Lead the Way (PLTW) course, a national college pre-engineering program. See chart on page 11.*

## **1320 Civil Engineering and Architecture** **Year** **Credit: 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 11.*

## **1324 Principles of Engineering** **Year** **Credit: 1.0** **Grades 10-12** **Fulfills Requirement**

*Prerequisite: Geometry*

*Satisfies 1.0 credit Physical Science requirement*

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 11.*

## **1328 Photography I** **Year** **Credit: 1.0** **Grades 9-12** **Elective**

Photography is part of our everyday life! Learn what it takes to make 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).*

<b>1330 Photography II</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 10-12</b>	<b>Elective</b>
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*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).

<b>1332 Printing Graphics I</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 9-12</b>	<b>Elective</b>
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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.

<b>1334 Printing Graphics II</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 10-12</b>	<b>Elective</b>
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*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.

<b>1341 Metals/Welding I</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 9-12</b>	<b>Elective</b>
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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).

<b>1342 Welding II</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 10-12</b>	<b>Elective</b>
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*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 transcribed with CVTC course 442-313, Welding Automotive Technician, 1.0 CVTC credit.*

*See chart on page 11.*



<b>1346 Woodworking I</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 9-12</b>	<b>Elective</b>
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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.

<b>1348 Woodworking II</b>	<b>Year</b>	<b>Credit: 1.25</b>	<b>Grades 10-12</b>	<b>Elective</b>
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*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 transcribed with NTC course 32410300, Cabinet and Furniture Making I, 5.0 NTC credits.*

*See chart on page 11.*



<b>1349 Construction</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 9-12</b>	<b>Elective</b>
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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.

<b>1352 Recreational Small Engines</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 9-12</b>	<b>Elective</b>
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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.

<b>1354</b>	<b>Vehicle Care</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grades 10-12</b>	<b>Elective</b>
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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.

<b>1356</b>	<b>Automotive Mechanics I</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 11-12</b>	<b>Elective</b>
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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 transcribed 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 11.*



<b>1358</b>	<b>Automotive Mechanics II</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grade 12</b>	<b>Elective</b>
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*Prerequisite: Automotive Mechanics I*

An in-depth study of engine performance and analysis, engine rebuilding, transmission components, electronics, diagnosis, and troubleshooting. 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 transcribed with CVTC course 404-337 Automotive Electricity 1, 2.0 CVTC credits.*

*See chart on page 11.*



<b>1369</b>	<b>Introduction to Computer Hardware</b>	<b>Semester</b>	<b>Credit 0.5</b>	<b>Grades 9-12</b>	<b>Elective</b>
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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!

*This course is best taken before the CVTC-transcribed course offering, Computer Hardware – Course #1370.*

<b>1370</b>	<b>Computer Hardware</b>	<b>Semester</b>	<b>Credit: 0.75</b>	<b>Grades 11-12</b>	<b>Elective</b>
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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.

*This course is transcribed with CVTC course 150-143, Computer Hardware, 3.0 CVTC credits.*

*See chart on page 11.*



<b>1378</b>	<b>Cartoon Animation</b>	<b>Semester</b>	<b>Credit: 0.5</b>	<b>Grade 9-12</b>	<b>Elective</b>
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Use WEditor, a digital storytelling software, to design, animate, and develop a story. Learn computer skills that easily transfer to other fields and industries.

<b>1382</b>	<b>Video Game Development</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grade 9-12</b>	<b>Elective</b>
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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.

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 11.*

**Apprenticeships available in the areas below: See page 13 & 14**

- 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.***

<b>0500 French I</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 9-12</b>	<b>Elective</b>
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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.

<b>0502 French II</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 9-12</b>	<b>Elective</b>
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*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.

<b>0504 French III</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 10-12</b>	<b>Elective</b>
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*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.

<b>0506 French IV</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 11-12</b>	<b>Elective</b>
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*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.

<b>0508 French V</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grade 12</b>	<b>Elective</b>
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*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.

<b>0510 German I</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 9-12</b>	<b>Elective</b>
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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.

<b>0512 German II</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 9-12</b>	<b>Elective</b>
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*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.

<b>0514 German III</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 10-12</b>	<b>Elective</b>
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*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.

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<b>0516 German IV</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 11-12</b>	<b>Elective</b>
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*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!

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<b>0518 German V</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grade 12</b>	<b>Elective</b>
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*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.

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<b>0520 Japanese I</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 9-12</b>	<b>Elective</b>
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Learn hiragana 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.

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<b>0522 Japanese II</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 10-12</b>	<b>Elective</b>
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*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.

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<b>0524 Japanese III</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 11-12</b>	<b>Elective</b>
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*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.

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<b>0526 Japanese IV</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grade 12</b>	<b>Elective</b>
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*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.

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<b>0528 Spanish I</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 9-12</b>	<b>Elective</b>
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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

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<b>0530 Spanish II</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 9-12</b>	<b>Elective</b>
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*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.

<b>0532 Spanish III</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 10-12</b>	<b>Elective</b>
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*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.

<b>0534 Spanish IV</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 11-12</b>	<b>Elective</b>
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*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.

<b>0536 Spanish V</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grade 12</b>	<b>Elective</b>
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*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.

<b>0538 American Sign Language I</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 9-12</b>	<b>Elective</b>
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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.

<b>0540 American Sign Language II</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 10-12</b>	<b>Elective</b>
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*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.

<b>0550 Hmong I</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 9-12</b>	<b>Elective</b>
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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.

<b>0552 Hmong II</b>	<b>Year</b>	<b>Credit: 1.0</b>	<b>Grades 10-12</b>	<b>Elective</b>
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*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 Yearculture, history, geography, and values of the Hmong people.



# CVTC COLLEGE CREDIT OPPORTUNITIES Fall 2023 and Spring 2024



- High School Academies are a series of CVTC courses in a career pathway, based on career interests and are available to students entering grades 9-12. Academies provide greater access to CVTC courses and remove registration challenges for students. See all high school academy options at this webpage: [CVTC High School Academies](#).
- The [Start College Now Program](#) allows students in grades 11 and 12 to apply for individual CVTC courses.
- Transcribed Credit (TC) courses are taught at the high school by an ECASD teacher and are in department course listings found earlier in this guide. All other courses in academies are taught at CVTC unless otherwise noted.
- Students earn 0.25 high school credit for each 1.0 CVTC credit successfully completed.
- For questions or additional information, email [studentcentral@cvtc.edu](mailto:studentcentral@cvtc.edu)

Business Management Associate Degree Academy		
Dual Credit High School Academy • Embedded Associate Degree		
	Summer	School Year
Year 1	<ul style="list-style-type: none"> <li>• Business Management Orientation (No Credit) 2-day Intro CVTC/Employer session</li> </ul>	<ul style="list-style-type: none"> <li>• 102-130 Innovative Business Mindset (TC)</li> <li>• 104-102 Marketing Principles (TC)</li> <li>• 103-102 Microsoft Office Suite (TC)</li> </ul>
Year 2	<ul style="list-style-type: none"> <li>• 116-193 Intro. to Human Resources</li> <li>• 801-198 Speech (Only take one time, offered every summer)</li> </ul>	<ul style="list-style-type: none"> <li>• 102-133 Leadership for Business Excellence</li> <li>• 102-112 Principles of Management</li> <li>• 102-160 Business Law</li> </ul>
Year 3	<ul style="list-style-type: none"> <li>• 102-113 Business Ethics</li> <li>• 801-198 Speech (Only take one time, offered every summer)</li> </ul>	<ul style="list-style-type: none"> <li>• 101- 105 Intro to Accounting (TC) or 101-111 Accounting 1 (TC)</li> <li>• 102-109 Business Analytics</li> <li>• 102-118 Business Management Career Planning</li> <li>• 102-188 Project Management</li> <li>AP Language</li> <li>AP Macroeconomics</li> </ul>
Year 4	<ul style="list-style-type: none"> <li>• 102-150 Global Business</li> <li>• 801-198 Speech (Only take one time, offered every summer)</li> </ul>	<ul style="list-style-type: none"> <li>• 101-172 Business Finance</li> <li>• 102-114 Managing Operations</li> <li>• 102-115 Business Management Internship</li> <li>• 102-116 Strategic Management</li> <li>AP Psych</li> <li>*AP Statistics</li> </ul>
(TC) = Transcribed Credit course offered by ECASD High School teachers. Students must register at their high school for these courses AP courses taught by ECASD High School teachers. Students must earn the required scores on the AP Exam. Other courses taught by CVTC instructors *Meets CVTC Math requirement in place of AP Statistics if: WorkKeys Assessment Score: Graphic Literacy- Level 4 • Workplace Documents-Level 5 • Applied Math-Level 6 If a student does not earn AP credit or cannot take a course in the sequence, there are options available to complete all required courses at CVTC.		

**Business is everywhere. Leaders are made.** Are you interested in a broad career that will develop your leadership skills? Earn your Business Management Associate degree through Chippewa Valley Technical College while earning your high school diploma. Participating in this academy you will have the opportunity to graduate with a diploma from Eau Claire Area School District along with obtaining an Associate Degree in Business Management from CVTC. In this embedded four-year program, you will learn how to make effective business decisions, plan, communicate, organize, direct, and evaluate the functions of business that lead to outstanding companies. CVTC has several articulation agreements in place with partner universities for students to complete their bachelor's degree in as few as two years after high school. When you complete the Business Management academy, you will have the opportunity to become an assistant manager, manager, merchandiser, product manager, and more.

## GET STARTED TODAY!

To enroll in this opportunity or to learn more visit [www.cvtc.edu/HSAcademies](http://www.cvtc.edu/HSAcademies)

- Select Business Management Academy

## CNA Academy



### Credential Opportunity: Nursing Assistant (CNA)

Course Name	CVTC Credits	CVTC #	CVTC Programs Requiring This Course:	Course Schedule
Certified Nursing Assistant (CNA)	2	543-200	Nursing Nursing Assistant	Offered in Spring, Summer

**Nursing Assistant (CNA)**      **Semester**      **Credits: 2 CVTC/0.5**      **Grades 10-12**      **Elective**  
**ECASD**

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. This course is recognized by the Wisconsin Department of Health Services as a nursing assistant training program. For successful completion you'll need to have 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 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 [www.cvtc.edu/HSAcademies](http://www.cvtc.edu/HSAcademies)

➤ Select CNA Academy

## EMT/EMR Academy



### Credential Opportunity: Emergency Medical Technician Technical Diploma

Course Name	CVTC Credits	CVTC #	CVTC Programs Requiring This Course:	Course Schedule
Emergency Medical Technician 1	2	531-312	Emergency Medical Technician	Offered in Fall, Spring, & Summer terms
Emergency Medical Technician 2	3	531-313	Emergency Medical Technician	Offered in Fall, Spring, & Summer terms

**EMT I**      **Semester**      **Credits: 2 CVTC/0.5**      **Grades 10-12**      **Elective**  
**ECASD**

Prerequisite: Must be 16 years old

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. A Wisconsin criminal background check is required at the start of class.

**EMT II**      **Semester**      **Credits: 3 CVTC/0.75**      **Grades 11-12**      **Elective**  
**ECASD**

Prerequisite: Successfully complete EMT 1 with an 80% or higher and 17 years old

**\*Students who successfully complete EMT I must re-apply to EMT II to be registered into this course**

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. 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 [www.cvtc.edu/HSAcademies](http://www.cvtc.edu/HSAcademies)

➤ Select EMT Academy

# Eau Claire Pre-Nursing/Healthcare Academy



## Credential Opportunity: Nursing Assistant (CNA)

Course Name	CVTC Credits	CVTC #	CVTC Programs Requiring This Course:	Course Schedule
Nursing Assistant (CNA)	2	543-200	Nursing Nursing Assistant	Yearlong Monday – Friday 8 a.m. – 10 a.m.
General A&P	4	806-177	All Health-Related Programs	
Advanced A&P	4	806-179	All Health-Related Programs	
CPR-BLS	Non credit	531-454	All Health-Related	

CVTC and Eau Claire Area School District 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 waitlist and other health programs, allowing them to apply a year earlier than students who do not complete these college courses in high school. **\*Students who apply to this academy will be registered into fall and spring semester courses for this full year academy.**

**Prerequisite:** Must have completed high school Chemistry or Prep for Basic Chemistry with a grade of C or higher or concurrently enrolled in Chemistry.

**Credential:** Opportunity to earn a Certified Nursing Assistant Technical Diploma

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

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

This 86-hour 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. This course is recognized by the Wisconsin Department of Health Services as a nursing assistant training program. For successful completion you'll need to have 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 another location that is convenient for you. A Wisconsin criminal background check is required at the start of class.

**General Anatomy and Physiology**      **Semester**      **Credits: 4 CVTC/1.0 ECASD**      **Grades 11-12**      **Elective**

Examines basic concepts of human anatomy and physiology at they relate to health sciences. Using a body systems approach, the course emphasizes the interrelationships between structure and function at the gross and microscopic levels of organization of the entire human body. It is intended to prepare health care professionals who need to 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.)

**Advanced Anatomy and Physiology**      **Semester**      **Credits: 4 CVTC/1.0 ECASD**      **Grades 11-12**      **Elective**

This course is the second semester in a two-semester sequence in which normal human anatomy and physiology are studied using a body systems approach with emphasis on the interrelationships between form and function at the gross and microscopic levels of organization. Instructional delivery within a classroom and laboratory setting. Experimentation within a science lab will include analysis of cellular metabolism, 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 are also included in this course.

**CPR-BLS**      **4 Hour Workshop**      **Credits: Noncredit**

This course is designed for persons requiring knowledge in resuscitation techniques for infant, child, and adult age categories. Students will learn proper patient and airway positioning, mouth-to-mouth breathing, cardiac compressions, and techniques to relieve airway obstructions. Barrier devices will be part of this training and the use of automated external defibrillators (AEDs) will also be included in this course. Upon successful completion, students will be able to incorporate procedures learned and critical thinking in order to act appropriately in heart-related and airway obstruction emergencies. This curriculum includes the most current American Heart Association guidelines and meets the requirements for healthcare providers.

### GET STARTED TODAY!

To enroll in this opportunity or to learn more visit [www.cvtc.edu/HSAcademies](http://www.cvtc.edu/HSAcademies)

➤ Select ECASD Pre-Nursing/Healthcare Academy

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

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

Course Name	CVTC Credits	CVTC #	Course Schedule
Safety – HVAC	1	601-125	fall semester
Electricity Theory	1	601-140	fall semester
Electricity Principles	2	601-148	fall semester
Heating Theory	1	601-107	spring semester
Schematic Wiring-HVAC	1	601-146	spring semester
Principles of Gas Heat and Airflow	2	6001-108	spring semester

**\*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. **\*Students who apply for fall semester courses must re-apply for spring semester courses to continue in this academy.**

**Safety HVAC**                      **Semester**                      **Credits: 1 CVTC/0.25**                      **Grades 11-12**                      **Elective**  
**ECASD**

The purpose of this course is to introduce the student to OSHA based safety training. Students will examine and practice safety measures based upon 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**                      **Grades 11-12**                      **Elective**  
**ECASD**

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**                      **Grades 11-12**                      **Elective**  
**ECASD**

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

**Heating Theory**                      **Semester**                      **Credits: 1 CVTC/0.25**                      **Grades 11-12**                      **Elective**  
**ECASD**

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**                      **Grades 11-12**                      **Elective**  
**ECASD**

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 and Airflow**                      **Semester**                      **Credits: 1 CVTC/0.25**                      **Grades 11-12**                      **Elective**  
**ECASD**

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 to work 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 [www.cvtc.edu/HSAcademies](http://www.cvtc.edu/HSAcademies)

➤ Select Heating, Air Conditioning, & Refrigeration (HVACR)

# Health Information Technology Career Pathway

**Credential Opportunity: Earn Credits towards the CVTC's Health Information Management and Technology Associates Degree**

Course Name	CVTC Credits	CVTC #	CVTC Programs Requiring This Course:	Course Schedule
Health Information Management Fundamentals	3	530-107	Health Information Management and Technology	Fall
Human Disease for Health Professionals	3	530-182	Health Information Management and Technology, Health Navigator	Fall
Healthcare IT	2	501-130	Health Information Management and Technology	Summer 2023
Healthcare Law and Ethics	2	530-178	Health Information Management and Technology	Summer 2023

Students will learn the technical aspects of managing patient information, supporting electronic health records, organizing & trending patient data, and examining healthcare law as it pertains to the protection, access, disclosure and privacy & security of patient information. Students interested in healthcare and working in a medical facility that enjoy working with other people, organizing data, and working with computers would be an excellent fit. Students who complete these courses could be hired in the medical field as a medical office, health unit, or appointment coordinator after completing the academy. **\*Students who apply for fall or summer semester courses must re-apply for the following semester courses to continue in this academy.**

**Healthcare Information Management Fundamentals**      **Semester**      **Credits: 3 CVTC/0.75 ECASD**      **Grades 10-12**      **Elective**

This course provides learners a firm foundation in the knowledge and skills essential to the field of Health Information Management & Technology. Includes: Healthcare delivery systems and regulatory environment; Healthcare data collection principles; EHR evolution, structure, data standardization, and interoperability; Health record content and compliance requirements; Post-discharge processing and analysis of inpatient records; Health record management functions; Data governance, data quality, and information governance; and the HIM profession.

**Human Disease for Health Professionals**      **Semester**      **Credits: 3 CVTC/0.75 ECASD**      **Grades 10-12**      **Elective**

This course focuses on the common diseases of each body system as encountered in all types of health care settings by health information professionals. Emphasis is placed on understanding the etiology (cause), signs and symptoms, diagnostic tests, and treatment (including pharmacologic) of each disease.

**Healthcare IT**      **Semester**      **Credits: 2 CVTC/0.5 ECASD**      **Grades 10-12**      **Elective**

Learners explore the use of technology in healthcare, including common business software applications, healthcare databases, administrative and clinical information systems, and the electronic health record (EHR). Learners use EHR simulation software to perform administrative and clinical documentation functions. Health information privacy and security regulations (HIPAA) and the EHR patient portal are examined.

**Healthcare Law and Ethics**      **Semester**      **Credits: 2 CVTC/0.5 ECASD**      **Grades 10-12**      **Elective**

As health care professionals, it is important to examine healthcare law as it applies to the maintenance, use, disclosure, and protection of health information. Learners will evaluate ethical cases in healthcare to practice appropriate action as future employees. You will develop skills to provide access of PHI to those that are authorized to receive or review it.

## GET STARTED TODAY!

To enroll in this opportunity or to learn more visit [www.cvtc.edu/HSAcademies](http://www.cvtc.edu/HSAcademies)

- Select Intro to Health Information Technology (HIMT)

# Teacher Education Career Pathway



**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
EDU: Behavior Management	3	522-105	Foundations of Teacher Education	Fall
EDU: Overview of Special Education	3	522-107	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	Spring

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 in 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. **\*Students who apply for fall semester courses must re-apply for spring semester courses to continue in this academy.**

## EDU: Behavior Management

**Semester**

**Credits: 3 CVTC/0.75  
ECASD**

**Grades 10-12**

**Elective**

Students evaluate models of behavior management, 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  
ECASD**

**Grades 10-12**

**Elective**

This course provides an overview of the 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: Child and Adolescent Development

**Semester**

**Credits: 3 CVTC/0.75  
ECASD**

**Grades 10-12**

**Elective**

Provides an overview of physical, motor, perceptual, cognitive, social/emotional and growth and development birth through adolescence. Analyzes social, parental, cultural, brain, and economic influences on development.

## EDU: Technology in Education

**Semester**

**Credits: 3 CVTC/0.75  
ECASD**

**Grades 10-12**

**Elective**

This course provides the opportunity for 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 [www.cvtc.edu/HSAcademies](http://www.cvtc.edu/HSAcademies)

➤ Select Intro to Teacher Education Academy

# Electrical Maintenance Academy

## Credential Opportunity: Electrical Maintenance Technical Diploma

Course Name	CVTC Credits	CVTC #	CVTC Programs Requiring This Course:	Course Schedule
Industrial Electricity Principles	3	462-118	Electrical Maintenance	Offered in Fall & Spring terms
Automated Manufacturing	4	462-121	Electrical Maintenance	
Manufacturing Applications	3	462-123	Electrical Maintenance	

Students will engage in hands on, interactive labs on equipment used by local employers such as Nestle, Walmart, Menards Distribution Center, Midwest Manufacturing, JD Manufacturing, Ashley Furniture, Gold N' Plump, and Bush Brothers. Faculty can connect students with local employers looking to hire skilled workers. Students will be introduced to industrial electricity utilizing both classroom and lab experiences, including electrical systems and controls. Students will also learn concepts of component selection, power transmission application, failure analysis, and predictive maintenance techniques in a hands on lab experience.

Students who successfully complete all three courses earn their Electrical Maintenance Technical Diploma and learn hands on about opportunities in automation. Students will have the ability to work with local employers and participate in youth apprenticeship programs at their high school.

### Industrial Electrical Principles

Semester

Credits: 3 CVTC/0.75  
ECASD

Grades 10-12

Elective

In this course the student will learn the fundamental theory and application of DC and AC electrical circuits, industrial three-phase motor control circuits, electrical wiring, troubleshooting and testing common electrical control circuits found in industry.

### Automated Manufacturing

Semester

Credits: 3 CVTC/0.75  
ECASD

Grades 10-12

Elective

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 Internet of Things (IoT) with Industrial controls.

### Manufacturing Applications

Semester

Credits: 3 CVTC/0.75  
ECASD

Grades 10-12

Elective

This 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 Internet of Things (IoT) with Industrial controls components will be investigated.

### GET STARTED TODAY!

To enroll in this opportunity or to learn more visit [www.cvtc.edu/HSAcademies](http://www.cvtc.edu/HSAcademies)

➤ Select Electrical Maintenance

# IT Software Development Academy



## Credential Opportunity: IT Software Development Specialist Technical Diploma

Course Name	CVTC Credits	CVTC #	CVTC Programs Requiring This Course:	Course Schedule
Web 1 – HTML & CSS	3	152-107	IT Software Developer	Yearlong Monday – Friday Online synchronous 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 ECASD have partnered to offer high school students in 10-12 grade 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. **\*Students who apply to this academy will be registered into fall and spring semester courses for this full year academy.**

**Web 1-HTML & CSS**      **Semester**      **Credits: 3 CVTC/0.75**      **Grades 10-12**      **Elective**  
**Online/Synchronous**      **ECASD**

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**      **Online/Synchronous Semester**      **Credits: 3 CVTC/0.75**      **Grades 10-12**      **Elective**  
**ECASD**

Focus on developing speaking, verbal, and nonverbal communication and listening skills through individual presentation, group activities, and other projects.

**Database 1**      **Online/Synchronous Semester**      **Credits: 3 CVTC0.75**      **Grades 10-12**      **Elective**  
**ECASD**

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 industry. This relational model is examined and utilized as students practice creating, populating, manipulating, and querying multi-table relational databases using both the MS Access graphical user interface and SQL.

**Intro to Computers Programming**      **Online/Synchronous Semester**      **Credits: 3 CVTC0.75**      **Grades 10-12**      **Elective**  
**ECASD**

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**      **Online/Synchronous Semester**      **Credits: 3 CVTC0.75**      **Grades 10-12**      **Elective**  
**ECASD**

This course is designed to be a student's first programming course. It provides an introduction to fundamental computer programming concepts including input-processing-output, if-then-else logic, for loops, and loops. Students use pseudo code 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 [www.cvtc.edu/HSAcademies](http://www.cvtc.edu/HSAcademies)

➤ Select IT – Software Development Specialist

# Eau Claire Welding Academy



## Credential Opportunity: Intro to Gas Metal Arc Welding, Technical Diploma

Course Name	CVTC Credits	CVTC #	CVTC Programs Requiring This Course:	Course Schedule
Welding Safety & Orientation	1	442-310	Welding Programs	Monday – Friday 8 a.m. – noon
Welding Print Reading	2	442-307	Welding Programs	
Metals Technology	1	442-303	Welding Programs	
Gas Metal Arc Welding	4	442-362	Welding Programs	
Shielded Metal Arc Welding	3	442-325	Welding Programs	
Industrial Skills for Welders	2	442-380	Welding Programs	

CVTC and local high schools have partnered to offer incoming juniors and seniors who are interested in pursuing a career in welding the opportunity to earn high school and college credit. 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 technical diploma. The academy courses listed below will be taught at the CVTC Campus in Eau Claire. Welding Print Reading will be offered online.

Students enrolled in this academy will learn about welding safety, basic welding math, welding print reading, and wire feed welding processes.

**442-310 Welding Safety & Orientation**      **Semester**      **Credits: 1 CVTC/0.25**      **Grades 11-12**      **Elective**  
ECASD

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

**442-307 Welding Print Reading**      **Semester**      **Credits: 2 CVTC/0.5**      **Grades 11-12**      **Elective**  
ECASD

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

**442-303 Metals Technology**      **Semester**      **Credits: 1 CVTC/0.25**      **Grades 11-12**      **Elective**  
ECASD

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.

**442-362 Gas Metal Arc Welding (GMAW)**      **Semester**      **Credits: 4 CVTC/1.0**      **Grades 11-12**      **Elective**  
ECASD

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.

**442-325 Shielded Metal Arc Welding (SMAW)**      **Semester**      **Credits: 3 CVTC/0.75**      **Grades 11-12**      **Elective**  
ECASD

Students will learn equipment set up, safe practices, and electrode identification as well as perform SMAW welds in flat and horizontal positions in a lab setting.

**442-380 Industrial Skills for Welders**      **Semester**      **Credits: 2 CVTC/0.5**      **Grades 11-12**      **Elective**  
ECASD

In this course the student will develop math skills and job seeking skills for the welding career to meet the demand 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 technics. The student will also develop job seeking skills such as: employment search, resumes, application forms, and employer interviews.

### GET STARTED TODAY!

To enroll in this opportunity or to learn more visit [www.cvtc.edu/HSAcademies](http://www.cvtc.edu/HSAcademies)

➤ Select Welding Academy – Eau Claire

# Eau Claire Residential Construction Academy



## Credential Opportunity: 1-yr Residential Construction Technical Diploma

Course Name	CVTC Credits	CVTC #	CVTC Programs Requiring This Course:	Course Schedule
Construction Safety	2	475-103	Construction Programs	Semester Course Monday – Friday Face-to-face from 7:45 a.m. – 10 a.m.
Roof Systems & Stairs	3	475-115	Construction Programs	

CVTC and Eau Claire high schools have partnered to offer incoming juniors and seniors who are interested in pursuing a career in construction the opportunity to earn high school and college credit. 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 degree programs and transfer to other opportunities.

This academy is designed to provide basic safety and construction skills for employment. Students will learn construction safety and roof systems and stairs processes. Completion of this academy will lead into the CVTC one-year residential construction technical diploma program

**475-103 Construction Safety**      **Semester**      **Credits: 2 CVTC/0.5**      **Grades 11-12**      **Elective**  
**ECASD**

This is a course that starts 2 weeks before the fall semester program courses for Residential Construction. This course is a prerequisite to all Residential Construction Courses and the student will need to pass the Construction Safety course to start the remaining first semester courses. The major emphasis will be on machine, power, and hand tool safety. Job site safety, ladders, scaffolding, and Occupational Safety and Health Administration (OSHA) standards will also be covered. This course also introduces the student to the basic methods of floor, wall, and basic roof framing. The students will build small storage sheds for the main lab projects. Students will also complete an OSHA 10-hour general construction training course. Certificate awarded on completion of training.

**475-115 Roof Systems and Stairs**      **Semester**      **Credits: 3 CVTC/0.75**      **Grades 11-12**      **Elective**  
**ECASD**

The major emphasis of this course will be on roof systems from hand framing simple gable roofs to advanced intersecting roofs using trusses. The students will calculate the math, layout and cut practice hand framed rafters. They will be involved with many different types of roof problems including hip and valley roof systems. Understanding and installing truss packages at the on-site project is also included. Stair system's layout and design to proper installation will be covered. Stair terminology and the application of the building codes also taught. The students will calculate, layout and cut practice stair stringers in the lab. Design, layout and installing of the stair systems at the on-site project is also included.

### GET STARTED TODAY!

To enroll in this opportunity or to learn more visit [www.cvtc.edu/HSAcademies](http://www.cvtc.edu/HSAcademies)

➤ Select Residential Construction – ECASD

## Registration Guide

- Consult Course Descriptions for course numbers
- Consult Teachers for appropriate selections

Graduation Requirements	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
<b>ENGLISH</b> 4.0 credits	<u><b>1.0 Credit</b></u> English 9	<u><b>1.0 Credit</b></u> English 10	<u><b>1.0 Credit</b></u> English 11 AP Lang/Comp AP Lit/Comp	<u><b>1.0 Credit</b></u> English 12 AP Lang/Comp AP Lit/Comp
<b>MATH</b> 3.0 credits	<u><b>1.0 Credit</b></u>	<u><b>1.0 Credit</b></u>	<u><b>1.0 Credit</b></u>	<u><b>1.0 recommended</b></u>
<b>SCIENCE</b> 3.0 credits	<u><b>0.5 Credit</b></u> <u><b>Earth Science</b></u> Earth Science	<u><b>1.0 Credit</b></u> <u><b>Life Science</b></u> Biology	<u><b>1.0 Credit</b></u> <u><b>Physical Science</b></u>	<u><b>0.5 Credit Science</b></u>
<b>SOCIAL STUDIES</b> 3.0 credits	<u><b>0.5 Credit</b></u> US History AP US History (1.0 cr)  Taken in grades 10-12 Available alternating years	<u><b>1.0 Credit</b></u> World Studies AP European History AP Human Geography	<u><b>0.5 Credit</b></u> US Government AP US Government (1.0 cr)  *required Civics exam	<u><b>0.5 Credit</b></u> Economics AP Economics <b>AND</b>
				<u><b>0.5 Credit</b></u> Psychology Sociology AP Psychology (1.0 cr)
<b>HEALTH</b> 0.5 credit	<u><b>0.5 Credit</b></u>			
<b>PE</b> 1.5 credits	<u><b>0.5 Credit</b></u>	<u><b>0.5 Credit</b></u>	<u><b>0.5 Credit</b></u>	
<b>ELECTIVES</b>				
<b>ALTERNATES</b>	<b>Students MUST register for 3 Alternative Course Choices</b>			
	Required Credits:	Required Credits:	Required Credits:	Required Credits:
	Elective Credits:	Elective Credits:	Elective Credits:	Elective Credits:
	Total Credits:	Total Credits:	Total Credits:	Total Credits:
	6.0 credits minimum	6.0 credits minimum	6.0 credits minimum	5.5 credits minimum

Study halls are automatically added later by the computer to fill empty class periods.

**7.0 Credits = no study hall      6.5 credits = study hall one semester      6.0 credits = study hall all year**

