

Central High School

# CENTRAL HIGH SCHOOL

DISTRICT OF WESTOSHA



## CAREER PLANNING &

## COURSE GUIDE

### 2022-2023

*"Working Together, Expecting Excellence."*



**Central High School District of Westosha**

**24617 75th Street, P.O. Box 38**

**Salem, WI 53168**

[www.westosha.k12.wi.us](http://www.westosha.k12.wi.us)

**Board of Education**

Steve Richter - President

Cheryl Baysinger - Vice-President

Jeff Kinzler - Treasurer

Bill Watson - Clerk

Bonnie Felske - Member

Bill Lois - Member

Jay Nutting - Member

**CHS Administration**

John Gendron  
District Administrator  
(262) 843-2321 ext. 222

Amy Koszarek  
Director of Learning & Innovation  
(262) 843-2321 ext. 236

Lauren Spierenburg  
Director of Pupil Services & Special Education  
(262) 842-2321 ext. 257

Dale Van Keuren  
Principal  
(262) 843-2321 ext. 309

Peter Haubrich  
Associate Principal  
(262) 843-2321 ext. 226

Thomas Neave  
Associate Principal  
(262) 843-2321 ext. 228

## Table of Contents

Central High School District of Westosha	2
Table of Contents	3
Central High School Mission Statement	4
Central High School Non-Discrimination Statement	4
Important Information	5
Central High School Graduation Requirements	6
Career Clusters	7
Curriculum Options	9
Opportunities for College Credit	13
Workforce Experience & Certification	16
Additional Credit	18
Academic Support	20
Privilege Program	21
Laude System	22
Course Listing	24
Business and Marketing	33
English	39
Family and Consumer Science	46
Fine Arts	52
Art	52
Music	56
Information Technology	60
Mathematics	64
Physical Education	68
Science	73
Social Studies	78
Technology & Engineering	83
World Languages	92

## **Central High School Mission Statement**

The Mission of the Central High School District of Westosha, a community of learners, is to ensure all students acquire the knowledge, skills and character to thrive as contributing members of a global society through a quality, caring staff; a challenging, relevant curriculum; and diverse opportunities to achieve personal success.

## **Central High School Non-Discrimination Statement**

The Board of Education declares it to be the policy of this District to provide an equal opportunity for all students regardless of race; color; creek; pregnancy; marital or parental status; physical, mental, emotional, or learning disability; age; religion; gender or gender orientation; ancestry; national origin; place of residence within the boundaries of the District; or social or economic background, to learn through the curriculum offered in this District. A complete copy of our Non-Discrimination Policy can be found in the student's agendas as well as on our website ([www.westosha.k12.wi.us](http://www.westosha.k12.wi.us)).

## Important Information

Students make many important decisions when selecting courses during their four years of high school. The students themselves are the ones who either benefit or lose in the educational process as a result of the rigor of their educational program and commitment to learning. Their course choices can have a profound effect on their success as adults. This guide contains valuable information for students to consider when planning for high school.

It is important for parents, students, and educators to approach course selection with a focus on long-range planning. With thoughtful planning, students can leave high school with college credits, work experience, and/or industry certification. Central has a growing number of course options, which students and parents are encouraged to explore as part of the course selection process.

### **COURSE SELECTION**

After course information is distributed, students will be asked to make their final course selections for the following school year. Courses should be chosen carefully, because many class sections fill rapidly, and future schedule changes may not be possible.

### **SCHEDULING GUIDELINES**

Students and parents are urged to proceed through the registration process with careful consideration to the selection of courses. It is recommended that students earn six (6) credits yearly to meet the 24-credit graduation requirement. Per Central School Board policy each student must have a minimum of five (5) credits per year. It is the policy of Central High School to not make schedule changes after the student's schedule is established, sent to parents, and teachers are assigned to classes. On May 1st, the course selections for the upcoming school year are final and students will be expected to keep courses for the entire year. Schedules will not be changed due to job requirements, extracurricular activities, failing grades, teacher preference, lunch hour preference, or if a small class size is lowered or a large class size raised.

There are some instances in which a course schedule may be changed. These include computer error, balancing class size, balancing a schedule that has two study halls in one semester by placing one in each semester, changing skill levels (honors to regular or vice versa) or repeating a failed class with the same instructor. In such cases, a Schedule Change Form must be completed and approved. Students must attend previously scheduled classes until approval is granted. No schedule additions will be approved once the student has attended a class for five (5) school days. A student's schedule may not drop below five (5) classes. Students wishing to request a schedule change should see their counselors for further information.

Central High School Graduation Requirements		
	Central High School Graduation Requirements	Admissions for MOST University of Wisconsin Schools
English	4 Credits	4 Credits
Mathematics	3 Credits Algebra I Geometry Algebra II or Other Math Elective	Minimum 3 Credits Algebra I Geometry Algebra II
Science	3 Credits Biology Physical Science Course: Chemistry, Physics, or Foundations of Chemistry/Physics 1 Science Elective	Minimum 3 Credits Biology Chemistry Physics
Social Studies	3 Credits Global Studies or AP Human Geography U.S. History or AP U.S. History Government or AP Government .5 Social Studies Elective	3 Credits
Physical Education	1.5 Credits	
Health	.5 Credit	
World Language, Fine ARTS, Technology & Engineering, Family Consumer Science, Business	2 Credits	May require 2 Credits of a single World Language Each institution's requirements vary. Please verify the specific entrance requirements for the schools you are interested in attending.
Business Education	.5 Credit of Personal Finance	
Electives	6.5 Credits Core classes taken above requirement will count towards the 6.5 total credits	
Civics Test Requirement	Must Meet Civics Test Requirement	
Total	24.0 Credits	

## Career Clusters



### **Agriculture & Natural Resources**

- Agribusiness Systems
- Animal Systems
- Environmental Service Systems
- Food products & Processing Systems
- Natural Resource Systems
- Plant Systems
- Power, Structural & Technical Systems

[Agriculture, Food & Natural Resources Industry Projection Report](#)

### **Architecture & Construction**

- Construction
- Design/Pre-Construction
- Maintenance/Operations

[Westosha Central Construction Pathway](#)  
[Architecture & Construction Industry Projection Report](#)

### **Arts, A/V Technology & Communications**

- A/V Technology & Film
- Journalism & Broadcasting
- Performing Arts
- Printing Technology
- Telecommunications
- Visual Arts

[Westosha Central Graphic Arts Pathway](#)  
[Westosha Central Fashion Engineering Pathway](#)  
[Arts, A/V Technology & Communications Industry Projection Report](#)

### **Business Management & Administration**

- Administrative Support
- Business Information Management
- General Management
- Human Resources Management
- Operations Management

[Business Management & Administration Industry Projection Report](#)

### **Education & Training**

- Administration & Administrative Support
- Professional Support Services
- Teaching/Training

[Education & Training Industry Projection Report](#)

### **Finance**

- Accounting
- Banking Services
- Business Finance
- Insurance
- Securities & Investment

[Westosha Central Finance Pathway](#)  
[Finance Industry Projection Report](#)

### **Government & Public Administration**

- Foreign Service
- Governance
- National Security
- Planning
- Public Management & Administration
- Regulation
- Revenue & Taxation

[Government & Public Service Industry Projection Report](#)

### **Health Services**

- Biotechnology Research & Development
- Diagnostic Services
- Health Informatics
- Support Services
- Therapeutic Services

[Westosha Central Nursing Pathway](#)  
[JUMP Start](#)  
[Health Services Industry Projection Report](#)

### **Hospitality & Tourism**

- Lodging
- Recreation, Amusements & Attractions
- Restaurants & Food/Beverage Services
- Travel & Tourism

[Westosha Central Hospitality & Tourism Pathway](#)  
[Hospitality & Tourism Industry Projection Report](#)



### **Human Services**

- Consumer Services
- Counseling & Mental Health Services
- Early Childhood Development & Services
- Family & Community Services
- Personal Care Services

[Westosha Central Child Care Pathway](#)  
[GTC Human Service Associate Career Pathway](#)  
[Human Services Industry Projection Report](#)

### **Information Technology**

- Information Support & Services
- Network Systems
- Programming & Software Development
- Web & Digital Communications

[GTC IT-Web Software Developer Career Pathway](#)  
[GTC IT Computer Support Specialist Career Pathway](#)  
[Information Technology Industry Projection Report](#)

### **Law, Public Safety, Corrections & Security**

- Correction Services
- Emergency & Fire Management Services
- Law Enforcement Services
- Legal Services
- Security & Protective Services

[GTC Criminal Justice Academy](#)  
[Law, Public Safety, Corrections & Security Industry Projection Report](#)

### **Manufacturing**

- Health, Safety & Environmental Assurance
- Logistics & Inventory Control
- Maintenance, Installation & Repair
- Manufacturing Production Process Development
- Production
- Quality Assurance

[Westosha Central Advanced Manufacturing Pathway](#)

[Westosha Central Fashion Engineering Pathway](#)

[GTC SMART Manufacturing](#)

[GTC Electromechanical Maintenance Technician Pathway](#)

[GTC Welding Academy](#)

[GTC CNC Operator Academy](#)

[Manufacturing Industry Projection Report](#)

### **Marketing**

- Marketing Communications
- Marketing Management
- Marketing Research
- Merchandising
- Professional Sales

[Westosha Central Marketing Pathway](#)  
[Marketing Industry Projection Report](#)

### **Science, Technology, Engineering & Mathematics**

- Engineering & Technology
- Science & Mathematics

[STEM Industry Projection Report](#)

### **Transportation, Distribution & Logistics**

- Facility & Mobile Equipment Maintenance
- Health, Safety & Environmental Management
- Logistics Planning & Management Services
- Sales & Service
- Transportation Operations
- Transportation Systems/Infrastructure Planning, Management & Regulation
- Warehousing & Distribution Center Operations

[Transportation, Distribution & Logistics Industry Projection Report](#)

[www.careertech.org/Career-Clusters](http://www.careertech.org/Career-Clusters)



## Curriculum Options

### CHS Curriculum Options Provide Variety of Opportunities for Students

**Virtual Program:** Our virtual program provides an opportunity for students to take all of their courses online and graduate with a Central High School District of Westosha diploma. Students participating in the virtual program are required to complete at least five virtual courses a semester. Students may take up to seven virtual courses a semester and have the option of taking up to two courses on campus. This program is only available to students living within District boundaries.



[Link to Virtual Program Guide](#)

[Link to Virtual Program Application](#)

[Link to Virtual Program Parent and Student Agreement of Responsibilities](#)



**Transcribed Credit (TC):** These are actual college courses, which are taught at Central. Students taking these courses earn both high school and technical college credit upon successful course completion. Transcribed courses are designated in Central's Career Planning & Course guide.

**Early College Credit:** Early College Credit is a statewide program, which allows eligible high school students in grades 9-12, to take courses through WI four-year public and private colleges and earn credit toward a high school diploma and a college degree at the same time. Applications for fall semester are due on March 1 and spring semester due on October 1. Students interested in Early College Credit should see their counselors.

[Early College Credit Application - UW Colleges](#)

[Early College Credit Application - Private Colleges](#)

**Attention Parents!**  
**Your child can Earn College Credit in High School!**

**GPS:** GPS Education Partners is a private business-public school partnership program designed to meet the needs of non-traditional high school learners through an integrated learning experience linking academic standards with real-world applications. It is geared toward high school juniors and seniors. The program takes 21 consecutive months to complete. Enrolled students follow the calendar of the partner business and receive breaks only when the business permits. Students spend each day at the partnership business site where they attend two hours of classroom instruction and spend six hours working in the business. Upon successful completion of the program, students receive the Central High

School Diploma. Students are recommended for the program through the Central High School Student Services Team. Final selection is determined by GPS following a series of interviews. To learn more about the GPS Educational Partner Program visit <http://gpsed.org>.

**Job Corps:** Job Corps is a free, federally funded job training and education program for economically disadvantaged youth ages 16 through 24. Enrolled students live on a Job Corps center campus. Job Corps provides academic and life skills training, including the opportunity to earn a high school diploma or GED. Students also receive hands-on career training. Job Corps helps students find employment upon graduation. Interested students should see their counselors for further information.

**Part Time Open Enrollment:**

Students enrolled in a Wisconsin public high school may apply to take up to two courses at a time at another public high school. Participating students remain enrolled in their resident school districts for the majority of their classes. For more information go to

<http://dpi.wi.gov/courseoptions>



**Advanced Placement Program:** CHS offers numerous AP courses, which provide students the opportunity to learn at a higher level and dive in depth into each subject. With qualifying AP Exam grades, students can earn credit, placement, or both at more than 90 percent of colleges and universities in the United States and Canada. For more information visit:

<https://apstudent.collegeboard.org/home> and see Central's Career Planning & Course guide.

**Vanguard Distance Learning:** Students attend courses offered through Gateway by connecting virtually to the class while at school. Distance Learning classes meet in the library where students are able to communicate real-time with the course instructor and students from other locations. Students taking these courses earn both high school and Gateway college credit.



**APEX:** APEX is a comprehensive, online digital curriculum that delivers standards-based interactive courses and integrated assessment. APEX provides an alternative to learning in the traditional classroom setting. It gives students a unique opportunity to repeat failed courses, compensate for credit deficiencies, and/or take Advanced Placement and other courses not offered by Central. Counselors can provide additional info.

**Blended Classes:** A blended class is a combination of face-to-face/video and online instruction. The frequency of face-to-face meetings varies from course to course. All assignments and course information are available online. Blended courses provide greater flexibility in scheduling and the opportunity to take courses not currently offered within the traditional school day or curriculum.



**Start College Now:**

Start College Now is a statewide program that allows eligible high school juniors and seniors to take Technical College courses and earn credit toward a high school diploma and a college degree at the same time. Applications for the fall semester are due on March 1<sup>st</sup> and spring semester are due October 1<sup>st</sup>. Students interested in Start College Now should see their counselors.

**S.O.A.R.:** S.O.A.R. is a skills and standards based program that serves as an alternate route for students that struggle to find success in Central's traditional school setting. The program focuses on students demonstrating proficiency of the essential standards in each of Central's required classes. Students will also explore elective choices that strengthen their passions. S.O.A.R. students may also have the opportunity to find job and/or volunteer opportunities. This is a limited program, and attendance expectations will need to be met, along with other behavior expectations. Students interested in the S.O.A.R. program must complete the application process that includes completing an application form as well as an interview with the S.O.A.R. team.

**Work Experience:** Central offers a work experience program through the Business and Marketing Department. Students participating in the program earn a .5 credit per semester. Students enrolled are eligible for early release to go to a school-approved job.



**Youth Apprenticeship, Industry Certifications, and Certified Co-Ops:** Many Central courses provide opportunities for students to earn industry certification and/or participate in an internship, [Youth Apprenticeship](#), or a certified Co-Op. See individual course descriptions or a counselor for additional information.

**Project Lead The Way:** [PLTW](#) is a nationally recognized program with pathways in computer science, engineering, and biomedical science. PLTW believes all students need access to real-world, applied learning experiences that empower them to gain the skills they need to thrive in college, career, and beyond. By creating an engaging learning environment, PLTW programs empower students to develop skills to pursue rewarding careers, solve important challenges, and contribute to global progress. Students develop in-demand skills -- such as problem solving, critical and creative thinking, collaboration, and communication -- that they can use in any career path they take. CHS currently offers courses in the PLTW engineering and biomedical science programs. Please see individual course descriptions or a counselor for additional information.



***Please contact your child's high school counselor or Central's Director of Learning and Innovation for more information regarding these programs.***

## Opportunities for College Credit

### **ADVANCED PLACEMENT (AP)**

"The best indicator of college and workplace success is the rigor of a student's high school courses."  
---U.S. Department of Education's Office of Educational Research

#### **What is the AP Program?**

The Advanced Placement Program (AP) is a collaborative effort between motivated students, dedicated teachers, and committed high schools, colleges, and universities. Since its inception in 1955, the Program has allowed millions of students to take college-level courses and exams, and to earn college credit or placement while still in high school. Most colleges and universities in the U.S., as well as colleges and universities in 21 other countries, have an AP policy granting incoming students' credit, placement, or both on the basis of their AP Exam grades. Many of these institutions grant up to a full year of college credit (sophomore standing) to students who earn a sufficient number of qualifying AP grades.

#### **AP Courses**

Thirty-six AP courses in a wide variety of subject areas are currently available. Developed by a committee of college faculty and AP teachers, each AP course covers the breadth of information, skills, and assignments found in the corresponding college course. Each AP course has a corresponding exam that participating schools worldwide administer in May. Except for Studio Art, which is a portfolio assessment, AP Exams contain multiple-choice questions and a free-response section (either essay or problem-solving). AP Exams represent the culmination of AP courses, and are thus an integral part of the Program. As a result, many schools foster the expectation that students who enroll in an AP course will go on to take the corresponding AP Exam. Because the College Board is committed to providing home-schooled students and students whose schools do not offer AP access to the AP Exams, it does not require students to take an AP course prior to taking an AP Exam.

#### **What AP Courses Are Available at Central High School?**

Please refer to the appropriate content sections of this catalog for course descriptions.

- Art History
- Biology
- Calculus AB
- Calculus BC
- Chemistry
- Computer Science Principles
- English Language and Composition
- English Literature and Composition
- Environmental Science
- French Language & Culture
- German Language & Culture
- Human Geography
- Macroeconomics
- Microeconomics
- Music Theory

- Physics I
- Physics II
- Psychology
- Spanish Literature & Culture
- Statistics
- Studio Art
- US Government
- US History
- World History

For a list of all available courses please visit <https://apstudents.collegeboard.org/course-index-page>. Any student interested in taking an AP course not offered at Central High School should see his/her guidance counselor. Arrangements can be made to take the course online.

### **Who Can Enroll?**

Any student can take an AP course as long as he/she meets the course prerequisites. Since AP courses provide challenging college-level content and involve a considerable amount of work outside of the school day, students must possess a true desire to learn and a commitment and willingness to work hard.

### **How Many AP Courses Can a Student Take?**

Central High School does not limit the number of AP courses a student may take. Students are urged to plan their course load with the consideration that AP courses are academically challenging and require a greater time commitment.

### **Drop Policy**

Enrollment in AP courses should be done with serious commitment. Thus, students are discouraged from dropping AP courses. The deadline for dropping an AP course is day 5 of the semester, and students should talk with their AP teacher prior to requesting the drop.

### **EARLY COLLEGE CREDIT (ECC)**

Early College Credit is a statewide program, which allows eligible high school students in grades 9-12, to take courses through WI four-year public and private colleges and earn credit toward a high school diploma and a college degree at the same time. Applications for summer are due on February 1st, fall semester are due on March 1st and spring semester are due October 1st. Students interested in Early College Credit should see their counselors.

[Early College Credit Application - UW Colleges](#)  
[Early College Credit Application - Private Colleges](#)

### **GATEWAY JUMP START NURSING PROGRAM**

Central High School students have an opportunity to earn 26 credits in the Gateway Nursing program at NO COST while they're still in high school. See your counselor for details.

## **RETROACTIVE CREDITS IN COLLEGE**

Students taking World Language courses in high school have an opportunity to earn retroactive credits in college. See World Language teachers for more information.

## **START COLLEGE NOW**

Start College Now is a statewide program that allows eligible high school juniors and seniors to take technical college courses and earn credit toward a high school diploma and a college degree at the same time. Applications for the fall semester are due on March 1 while applications for spring are due October 1. Students interested in Start College Now should see their counselors.

[Use This Link For The Start College Now Application](#)

## **TRANSCRIPTED COURSES**

Central High School offers many courses that are Transcribed with Gateway or some other college. Students taking a transcribed course may earn college credit. Transcribed credit courses are actual technical college courses taught at the high school. Students taking a transcribed course and meeting successful completion requirements will be awarded both high school credit and college credit. Transcribed credit courses are noted in the individual course offering area of this guide using the affiliated college logo as an identifier.

## **VANGUARD DISTANCE LEARNING**

Students attend courses offered through Gateway by connecting virtually to the class while at school. Distance Learning classes meet in the library where students are able to communicate real-time with the course instructor and students from other locations. Students taking these courses earn both high school and Gateway college credit. See our course guide for available courses. Grades earned through Vanguard Distance Learning courses will be reflected on high school transcripts but will not factor into a student's high school grade point average.



## Workforce Experience & Certification

### **CERTIFIED CO-OPS**

- Child Care: Health, Safety & Nutrition
- Culinary II & III (ProStart Curriculum) - Combined with Career Co-op

### **INDUSTRY CERTIFICATION**

Students are able to earn workforce certification through a number of Central courses. See course descriptions in this guide for more information.

- Advanced Marketing (Business)
- Adobe
- CISCO (Technology & Engineering)
- CNA (Certified Nursing Assistant) Certification [Gateway Technical College program offered through CHS]
- ProStart (Culinary Arts curriculum developed by the National Restaurant Association) (FACS)
- Employability Skills Certificate (Business)
- Food Service Skills Certificate
- Microsoft
- MOS Certification
- NIMS — National Institute for Metalworking Skills (Technology & Engineering)
- SolidWorks Certification (Technology & Engineering)
- Wisconsin Child Care Teacher Certification (FACS)
- Wisconsin Assistant Child Care Teacher Certification (FACS)
- Wisconsin Infant/Toddler Child Care Certification (FACS)
- Woodwork Career Alliance Certification
- Youth Apprenticeship

### **INTERNSHIP PROGRAM**

Credits: .5 per semester

The Internship Program provides students with occupational and hands-on work experience designed around a course sequence that provides students an opportunity to begin preparing for a career while still in high school. Students that participate in an internship placement are required to take concurrent coursework that connects to the program area of their internship. Internships may be internal or external to Central. Listed below are required components to a successful completion of the Internship program:

- Students are responsible for finding employment for external internships
- School Store (Falcons Nest) Internship requires concurrent enrollment in Advanced Marketing
- Employer verification of required work hours as designated per Internship
- Successful completion of program area courses
- Completion of career related skills checklist by employer

Students interested in an external internship should see their counselor or the Director of Learning & Innovation.



## **WORK EXPERIENCE**

Credits: .5 semester

Laude Points: 1.0 per semester

Central High School offers a work experience program through the Business Education department. Students participating in the program earn .5 credits per semester. The classroom portion of this program is offered only on-line. Students enrolled are eligible for early release to go to a school approved job.

To participate in this program, students must meet the following eligibility requirements:

- Achieve Junior or Senior status
- Have no failing grades during the current school year
- Take and pass the Employability Skills class (APEX does not meet this requirement)
- Secure and maintain employment
- Agree to have their employment supervised at the employment site by the School-to-Work Coordinator

This program is limited to 25 students per semester. Students taking Work Experience first semester must reapply if they wish to continue in the program second semester.

## **YOUTH APPRENTICESHIP**

Credits: 2.0 (For full year work placement)

Laude Points: 4.0 (For full year)

The Youth Apprenticeship program provides students with occupational and hands-on work experience to positively impact the communities' future workforce. The program is designed around a course sequence that provides students an opportunity to begin preparing for a career while still in high school. Students that participate in a Youth Apprenticeship placement are required to take concurrent coursework that connects to the program area of their apprenticeship. Youth Apprenticeships are operated under guidelines established by the Wisconsin Department of Workforce Development (DWD). Listed below are required components to a successful completion of a Youth Apprenticeship placement:

- Students are responsible for finding employment
- Successful completion of required 450 work hours
- Successful completion of program area courses
- Completion of DWD Competency Checklist by their employer

Visit this link for additional information [Youth Apprenticeship](#).

Students can choose to complete a Youth Apprenticeship placement in one of the following programs:

- Agriculture, Food & Natural Resources
- Architecture and Construction
- Arts, M/ Technology and Communications
- Finance
- Health Science
- Hospitality, Lodging and Tourism
- Information Technology
- Manufacturing
- Marketing
- STEM (Science, Technology, Engineering and Math)
- Transportation, Distribution & Logistics

## Additional Credit

### **COMMUNITY SERVICE CREDIT**

Credit: .5      Grade: 9, 10, 11, 12

Prereq: Must meet eligibility criteria and have approval (see counselor)

Students can receive .5 credits for Community Service of over seventy (70) hours. Community Service is defined as volunteer work (work without pay) completed that benefits the community as a whole or a certain population of the community. The hours can be completed over four years at Central High School. Students must be preapproved for this program by the School-to-Career Coordinator. The credit for this course will not be factored into a student's GPA.

### **FRESHMAN MENTORING PROGRAM (FMP)**

Credit: .25 (per semester)      Grade: 10, 11, 12

Prereq: Must meet eligibility criteria and have Teacher recommendation

Upperclassmen can receive a .25 credit for serving as a mentor for the Freshman Mentoring Program. FMP mentors work closely with 9th graders to ease their transition to high school. Mentors:

- Serve as big brothers and sisters to 9th graders
- Welcome freshmen to CHS and facilitate a portion of Freshman Only Day
- Provide orientation
- Lead FMP activities and lessons during daily advisories
- Serve as tutors
- Work with the FMP coordinator and advisors to plan and facilitate the program
- Help with 8th Grade Orientation
- Serve as role models

FMP mentors participate in leadership training in August and periodically throughout the school year. Students must go through an application process to become a mentor. The grade for this course will not be factored into a student's GPA.

### **LIBRARY/AVC AIDE**

Credit: .25 (per semester)      Grade: 11, 12

Prereq: Must meet eligibility criteria and have Librarian recommendation

Library/AVC Aide courses offer students the opportunity to work in the library or media center. Duties may include collecting, distributing, and categorizing materials; operating audiovisual equipment; assisting students and teachers; and performing clerical duties. Students typically gain experience in library science and/or media and audiovisual technology. The grade for this course will not be factored into a student's GPA.

### **OFFICE AIDE**

Credit: .25 (per semester)      Grade: 11, 12

Prereq: Must meet eligibility criteria and have Supervisor recommendation

Office Aide courses provide students with the opportunity to work in campus offices, developing skills related to clerical office work. Duties may include word processing, filing, record-keeping, receiving

visitors, answering the telephone, and copying, among others. Students will develop appropriate work attitudes, human relations skills, and proper office procedures. The grade for this course will not be factored into a student's GPA.

### **PROFICIENCY TESTING FOR COURSE CREDIT**

A student may request the opportunity to earn credit through the demonstration of proficiency for qualifying courses. Central has guidelines in place (see Administrative Guideline 5460C - Proficiency Testing for Course Credit) regarding this opportunity. Students requesting the opportunity must:

- Submit the request for a 1st semester course by March 1st of the previous semester and by October 1st for a 2nd semester course. Requests are submitted to the Director of Learning and Innovation. Exceptions will be allowed for newly enrolled students unable to meet these deadlines
- Fulfill the requirements for demonstrating proficiency according to the timeline established by the department
- Demonstrate proficiency at a B- level (80%) or higher on the overall assessment

If a student passes the proficiency assessment(s), credit will be awarded. The transcript will reflect a "Pas" for pass and credit for the course. The grade will NOT be factored into the student's G.P.A.

[Guidelines For Course Proficiency Credit](#)

[Courses Eligible For Proficiency Credit](#)

[Student Request For Proficiency Credit Form](#)

For complete information regarding Proficiency Testing for Course Credit, please see the Director of Learning and Innovation.

### **STUDENT SERVICES AIDE**

Credit: .25 (per semester)      Grade: 11, 12

Prereq: Must meet eligibility criteria and have Student Services recommendation

Student Services Aide courses provide students with the opportunity to work in campus guidance offices. Duties may include word-processing, filing, record-keeping, assisting students, and acting as guides to new students. Students will develop appropriate work attitudes, human relations, and proper office procedures. The grade for this course will not be factored into a student's GPA.

### **TEACHER AIDE**

Credit: .25 (per semester)      Grade: 11, 12

Prereq: Must meet eligibility criteria and have Teacher recommendation

As a Teacher Aide, students are given the opportunity to assist instructors in preparing, organizing, or delivering course curriculum. Students may provide tutorial or instructional assistance to other students. The grade for this course will not be factored into a student's GPA.

### **TUTORING PRACTICUM**

Credit: .5 (per semester)      Grade: 11, 12

Prereq: Must meet eligibility criteria and have Teacher recommendation

Students can receive .5 credit per semester for offering tutorial assistance to peers or younger students. Students enrolled in Tutoring Practicum participate in training to learn how to work with others and how to make use of available resources. Tutors are assigned to a specific course or department to work with students in need of academic assistance. The grade for this course will not be factored into a student's GPA.

## Academic Support

### **ACADEMIC RESOURCE CENTER (ARC)**

Students at risk of failure may be assigned to ARC for a period of one or more semesters. ARC provides students with the opportunity to make-up missed assignments; work on current assignments in a structured, supportive environment; receive individualized help; and develop study skills for independent learning.

### **CORRECTIVE READING INTERVENTION STRATEGIES (CRIS)**

CRIS is a class for students in need of additional instruction in the area of reading. It offers diagnostic and remedial activities designed to correct reading difficulties and habits that interfere with students' progress in developing reading skills and understanding. The activities chosen will focus on fluency, comprehension, reading technique, study skills, and general literacy skills. Students will work with a Reading Specialist to receive individualized instruction based on their needs in a small group setting, 50-120 minutes per week. When not working with the Reading Specialist, students will be in a structured study hall setting, where they will get support completing other academic activities or continuing to practice their literacy skills. Students may earn .5 credit per semester in CRIS.

### **GUIDED STUDY HALL**

Guided Study Hall provides students with the opportunity to study and work on assignments in a structured, supportive environment and receive individualized help. Students struggling academically and/or performing below expected levels may be assigned to Guided Study Hall on a semester basis as part of Central's Response to Intervention. Students may also request to be placed in a Guided Study Hall.

### **LITERACY/TESTING CENTER**

The purpose of the Literacy Testing Center is to provide students with support and individualized help in the areas of writing across all content areas. Students may be assigned to the Literacy Testing Center on a semester basis, or teachers may assign students on a daily basis as needed. Students may additionally go to the Center on a voluntary basis, but they must get a Center Admittance Form from a teacher to do so. Teachers may also assign students to the Literacy/Testing Center as needed for test taking.

### **MATH CENTER**

The purpose of the Math Center is to provide students with support and individualized help in all areas of mathematics. Students may be assigned to the Math Center on a semester basis, or teachers may assign students to the Math Center on a daily basis as needed. Students may additionally go to the Math Center voluntarily, but they must get a Center Admittance Form from a teacher to do so.

### **PERSONALIZED EDUCATION PLAN (PEP)**

Personalized Educational Plans are recommended for students who continue to struggle academically regardless of other interventions. The Student Services Team, students, and parents will meet to help the student establish academic goals and to develop a plan to best meet the student's specific needs.

## **TEACHER INTERVENTIONS**

Teachers in all content areas continuously monitor student progress and offer numerous forms of academic assistance. Students are expected to take responsibility for their own learning by actively participating in classes, completing assignments on time, and asking for clarification or help when needed.

## **Privilege Program**

### **PRIVILEGE RELEASE OPPORTUNITY**

High school juniors and seniors who have demonstrated a high level of maturity and responsibility may choose where they spend time during a study hall. Students may only report to designated areas (library, cafeteria, resource center, or a teacher's-classroom with permission). Students who have privilege release may come to school late or leave early depending on the number of periods granted. Students are not allowed to leave campus and return should their open period be between required classes.

- Juniors – Can be granted 1 period starting 2<sup>nd</sup> semester
- Seniors – Can be granted 1 period each semester

Privilege release is awarded to juniors and seniors who complete the appropriate application process for the privilege and meet the following criteria:

- Have enough credits to graduate on time with their class — earning the 24-credit diploma
- Have a 3.25 GPA or above and no F's on the previous semester's report card
- Have no ISS or OSS; students receiving an OSS will result in immediate removal
- Have good conduct as determined by the administration
- Have no unexcused absences from the previous semester
- Have 90% attendance

Privilege release can be revoked at any time for chronic tardiness, truancy, ISS or OSS, or poor conduct as determined by the administration.

## Laude System

The purpose of the Laude System is to recognize students for the rigor of their academic program as well as their success in that program. (See [www.westosha.k12.wi.us](http://www.westosha.k12.wi.us) for more information)

<b>Award Levels</b>	<p>There are three levels of awards:</p> <ul style="list-style-type: none"> <li>• Summa Cum Laude</li> <li>• Magna Cum Laude</li> <li>• Cum Laude</li> </ul>
<b>Minimum GPA</b>	To be considered for a Laude award, a student must have a cumulative GPA of 3.4 (no rounding) at the end of 1st semester senior year.
<b>Laude Score</b>	<p>A student's Laude score will be determined by multiplying the student's cumulative GPA by the total number of Laude Points earned by the end of the 7th semester, which is first semester senior year. Laude Points are awarded for each Laude recognized semester course completed with an academic grade of B- or better.</p> <p><b>Laude Score = GPA x Laude Points</b></p>
<b>Laude Points</b>	<p>1.5 Laude Points will be awarded for every .5 Advanced Placement credit earned with a grade of B- or better.</p> <p>For all other Laude courses, 1 Laude Point will be awarded for every .5 credit earned with a grade of B- or better.</p>
<b>Laude Courses</b>	<p>To determine if a course is eligible for Laude Points see its course description or the Course Listing in the Career and Course Guide. <b>Please note</b> that while we try to keep our course descriptions current, Laude courses may change yearly due to post-secondary articulation agreements and other factors. Students should see their counselors for the most accurate information.</p>
<b>Score Breaks</b>	<p>There will be no rounding of Laude Scores.</p> <ul style="list-style-type: none"> <li>• 100+ for Summa Cum Laude</li> <li>• 75+ for Magna Cum Laude</li> <li>• 25+ for Cum Laude</li> <li>• There may be some students who will need to be considered on a case-by-case basis, such as students who take a semester or year abroad or graduate early.</li> </ul>
<b>Examples</b>	<p>Minimum combinations for Cum Laude recognition</p> <ul style="list-style-type: none"> <li>• 3.4 GPA and 8 semesters of Laude coursework</li> <li>• 3.75 GPA and 7 semesters of Laude coursework</li> <li>• 4.0 GPA and 7 semesters of Laude coursework</li> </ul> <p>Minimum combinations for Magna Cum Laude recognition</p> <ul style="list-style-type: none"> <li>• 3.4 GPA and 23 semesters of Laude coursework</li> <li>• 3.75 GPA and 20 semesters of Laude coursework</li> <li>• 4.0 GPA and 19 semesters of Laude coursework</li> </ul>

	<p>Minimum combinations for Summa Cum Laude recognitions</p> <ul style="list-style-type: none"> <li>• 3.4 GPA and 30 semesters of Laude coursework</li> <li>• 3.75 GPA and 27 semesters of Laude coursework</li> <li>• 4.0 GPA and 25 semesters of Laude coursework</li> </ul>
<b>Criteria for Laude Recognition</b>	<ul style="list-style-type: none"> <li>• Honors Advanced</li> <li>• Advanced Placement</li> <li>• Early College Credit</li> <li>• Start College Now</li> <li>• Transcribed Credit</li> <li>• GTC Distance Learning (DLL)</li> <li>• Other Dual Credit Courses</li> <li>• Youth Apprenticeship</li> <li>• Courses Leading to Workforce Certification</li> <li>• Study Abroad</li> <li>• Approved Transfer Credits</li> <li>• Others as Determined</li> </ul> <p>Unique situations will be considered on an individual basis and determined by the rigor of the coursework. <b>Requests for consideration of Laude credit must be submitted by March 1</b></p>
<b>Sample</b>	<p>GPA = 3.761  Courses: English 9 Honors (2), English 10 Honors (2), AP English Literature (3), Honors Wind Ensemble (2), AP US History (3), AP English Language (3), AP Government (3), Human Anatomy I (2), French III Honors (2), AP Calculus AB (3), AP Psychology (3), AP French (3), Human Anatomy II (2), = 33 semesters</p> <p><b>Calculation: <math>3.761 \times 33 = 124.11</math> Summa Cum Laude</b></p>

## Course Listing

<a href="#">Business and Marketing</a>	9	10	11	12	Laude Pts	Prerequisites
Personal Finance			X	X	X	None
Accounting	X	X	X	X		None
Accounting Principles		X	X	X	X	Accounting
Forensic Accounting		X	X	X		Accounting
Falcon Financial Internship			X	X	X	Accounting
Intro to Business & Marketing	X	X	X		X	None
Marketing	X	X	X	X		None
Advanced Marketing			X	X	X	Marketing with a "C" or better or Instructor Approval
Sports & Entertainment Marketing		X	X	X	X	Marketing
Advanced Sports & Ent. Marketing		X	X	X		Sports & Entertainment Marketing
School Store Internship			X	X	X	Marketing with a "C" or better and application/interview
Business & Personal Law	X	X	X	X		None
Management & Entrepreneurship		X	X	X		Intro to Business & Marketing, Marketing or Accounting
Employability Skills		X	X	X		None
Work Experience			X	X	X	Employability Skills (can be taken during the same semester as Work Experience)
Emerging Technologies	X	X	X	X		None
Web Design & Social Media	X	X	X	X		None
Microsoft Academy	X	X	X	X	X	None
<a href="#">English</a>	9	10	11	12	Laude Pts	Prerequisites
English 9	X					None
English 9 Honors	X				X	Teacher Recommendation
English 10		X				English 9



English 10 Honors		X			X	An "A" or "B" in English 9 Honors or Teacher Recommendation
English 11: Early American Literature & Composition			X			English 10
English 11: Contemporary Literature & Composition			X			English 10
English 11 Honors: Early American Literature & Composition			X		X	An "A" or "B" in English 10 Honors or Teacher Recommendation
English 11 Honors: Contemporary Literature & Composition			X		X	An "A" or "B" in English 10 Honors or Teacher Recommendation
English 12: Spirituality & Dystopia				X		English 11
English 12: War & Survival				X		English 11
English 12 Honors: Spirituality & Dystopia				X	X	An "A" or "B" in English 11 Honors or Teacher Recommendation
English 12 Honors: War & Survival				X	X	An "A" or "B" in English 11 Honors or Teacher Recommendation
AP English Language and Composition			X		X	An "A" or "B" in English Honors course from the previous year or Teacher Recommendation
AP English Literature and Composition				X	X	An "A" or "B" in English Honors course from the previous year or Teacher Recommendation
College English Composition				X	X	An "A" or "B" in English 11 (Regular or Honors)
Intro to Human Communication Honors			X	X	X	English 9 & 10
Creative Writing I			X	X		English 9 & 10
Creative Writing II			X	X		Creative Writing I
English: Studies in Diversity and Multiculturalism			X	X		English 9 & 10
English: Studies in Diversity and Multiculturalism Honors			X	X	X	English 9 & 10
Yearbook	X	X	X	X		None
<b>Family &amp; Consumer Sciences</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>Laude Pts</b>	<b>Prerequisites</b>
International Foods	X	X	X	X		Performance Foods or Culinary Skills I
Performance Foods	X	X	X	X		None
Food Science			X	X		Biology
Culinary Skills I	X	X	X	X		None
Culinary Skills II		X	X	X	X	Culinary Skills I

Culinary Skills III			X	X	X	Culinary Skills II
Culinary Career Co-op			X	X	X	Taken concurrently with Culinary Skills II or III
Baking and Pastry Arts	X	X	X	X	X	Culinary I
Introduction to Hospitality	X	X	X	X	X	None
Child Development	X	X	X	X	X	None
Foundations of Early Childhood Education/ACCT			X	X	X	Child Development or Teacher Approval
Child Care: Health, Safety, and Nutrition				X	X	Foundations of Early Childhood Education/ACCT
Child Career Co-op			X	X	X	Taken concurrently with Childcare: Health, Safety and Nutrition
Introduction to Health Occupations	X	X	X	X		None
Intro to Medical Terminology		X	X	X		None
Advanced Medical Terminology		X	X	X	X	Intro to Medical Terminology
Fashion Engineering & Design I	X	X	X	X		None
Fashion Engineering & Design II		X	X	X		Fashion Engineering & Design I
Fashion Engineering & Design III			X	X		Fashion Engineering & Design II
Interior Design	X	X	X	X	X	None
History of Furniture and Decorative Arts	X	X	X	X	X	
Relationship Smarts	X	X	X	X		None
Senior Strategies			X	X		None
<b><u>Fine Arts</u></b>						
<b><u>Art and Design</u></b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>Laude Pts</b>	<b>Prerequisites</b>
Drawing & Painting	X	X	X	X		None
Drawing & Painting Advanced		X	X	X	X	Drawing/Painting I or Instructor Approval
AP Art & Design Drawing & Painting		X	X	X	X	Instructor Approval
2D Art & Design	X	X	X	X		None
2D Cartooning & Illustration	X	X	X	X		None
2D Digital Photography	X	X	X	X		None
2D Digital Photography Advanced		X	X	X	X	2D Digital Photo or Instructor Approval
2D Digital Video	X	X	X	X		None

2D Digital Video Advanced		X	X	X	X	2D Digital Video or Instructor Approval
AP 2D Art & Design		X	X	X	X	Instructor Approval
3D Ceramics	X	X	X	X		None
3D Ceramics Advanced		X	X	X	X	3D Ceramics or Instructor Approval
3D Sculpture	X	X	X	X		None
3D Sculpture Advanced		X	X	X	X	3D Sculpture or Instructor Approval
AP 3D Art & Design		X	X	X	X	Instructor Approval
<b><u>Music</u></b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>Laude Pts</b>	<b>Prerequisites</b>
Marching Band	X	X	X	X		None
Concert Band	X	X	X	X		Previous band preferred but not required
Symphonic Band	X	X	X	X		Advanced Skills, Audition and Approval of Instructor
Jazz Central	X	X	X	X	X	Advanced Skills, Audition and Approval of Instructor
Honors Wind Ensemble			X	X	X	Concert Band, Symphonic Band or Jazz Central
Choraliers	X	X	X	X		Choral Experience Helpful
Girls Ensemble	X	X	X	X		Choral Experience Helpful
Concert Choir	X	X	X	X	X	Choral Experience and Audition
Central Swing, Inc.	X	X	X	X	X	Audition
Vocal Jazz		X	X	X	X	Choraliers, Concert Choir or CSI
Music Appreciation	X	X	X	X		None
AP Music Theory		X	X	X	X	None
<b><u>Information Technology</u></b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>Laude Pts</b>	<b>Prerequisites</b>
Web Design & Social Media	X	X	X	X		None
IT Essentials	X	X	X	X	X	None
Intro to Networking/Web Concepts		X	X	X	X	IT Essentials A and B or Instructor's approval
Intro to Programming & Database (Fall)			X	X	X	None- Gateway DL Course
Microcomputer Programming Advanced (Spring)			X	X	X	Intro to Prog. – Gateway DL Course
Mobile Device Application Programming (Fall)			X	X	X	Intro to Prog. – Gateway DL Course

Game Programming I (Spring)			X	X	X	Intro to Prog. – Gateway DL Course
Web Programming I			X	X	X	None – Gateway DL Course
Java Programming I			X	X	X	None - Gateway DL Course
Google IT Support Professional 1 (Fall)			X	X	X	None - Gateway DL Course
Google IT Support Professional 2 (Spring)			X	X	X	Gateway DL Course Google IT Support Professional 1
AP Computer Science Principles		X	X	X	X	Algebra I
<b>Mathematics</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>Laude Pts</b>	<b>Prerequisites</b>
Intro to Algebra	X					Teacher/Counselor Referral
Algebra I	X	X	X	X		None
Geometry	X	X	X	X		Algebra I
Algebra II	X	X	X	X		Geometry or Teacher Recommendation
Probability & Statistics		X	X	X		Algebra II
Precalculus		X	X	X		Algebra II
Precalculus Honors		X	X	X	X	Algebra II with a “B” or better
Trigonometry		X	X	X		Algebra II
AP Calculus AB				X	X	Pre-Calculus
AP Statistics		X	X	X	X	Algebra II with a “B” or better
AP Calculus BC			X	X	X	Pre-Calculus with a “B” or better
AP Computer Science Principles		X	X	X	X	Algebra I
Applied Math I & II			X	X		Algebra I and Geometry
<b>Physical Education</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>Laude Pts</b>	<b>Prerequisites</b>
Health I	X	X				None
Advanced Health; CPR, First Aid & Self Defense			X	X	X	Health I
Physical Education Credit Option			X	X		None
Physical Ed I	X					None
Physical Ed II		X				Phy Ed I or Summer School Wt & Fitness
PE III – Team Sports		X	X	X		Phy Ed I or Summer School Wt & Fitness
Adventure Education			X	X		Phy Ed I or Summer School Wt & Fitness

Weights & Fitness I		X	X	X		Phy Ed I
Weights & Fitness II		X	X	X		Phy Ed I, Wt & Fitness I or Summer School Wt & Fitness
Weights & Fitness III			X	X	X	Weights & Fitness II
Weights & Fitness IV			X	X	X	Weights & Fitness III
Fit for Life			X	X		Phy Ed I or SS Wts & Fitness and one of the following: Phy Ed II, Team Sports, Wts & Fitness I or II
<b>Science</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>Laude Pts</b>	<b>Prerequisites</b>
Biology	X					None
Biology Honors	X				X	Teacher/Counselor Recommendation
Chemistry		X	X	X		Biology and Algebra I (both with a "C" grade or better)
Foundations of Chemistry		X	X	X		Biology
Foundations of Physics		X	X	X		Biology
Physics		X	X	X		Algebra II
PLTW Principles of Biomedical Science	X	X	X	X	X	None
PLTW Human Body Systems		X	X	X	X	Biology or Honors Biology
PLTW Principles of Engineering (POE)		X	X	X	X	Geometry or concurrent registration in Geometry. PLTW EES highly recommended
Astronomy & Meteorology		X	X	X		Biology
Botany		X	X	X		Biology
Environmental Science		X	X	X		Biology
Food Science		X	X	X		Biology
Forensic Science		X	X	X		Biology
AP Biology			X	X	X	Biology, Chemistry and Geometry (all with a "C" grade or better)
AP Chemistry			X	X	X	Chemistry and Algebra II (both with a "C" grade or better)
AP Environmental Science			X	X	X	Biology & Chemistry (both with a "B" grade or better)
AP Physics I			X	X	X	Algebra & Geometry or Physics ("B-" or better) (Currently enrolled in Algebra II)
AP Physics II			X	X	X	Physics I

<b><u>Social Studies</u></b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>Laude Pts</b>	<b>Prerequisites</b>
Global Studies	X					None
AP Human Geography	X	X	X	X	X	None
US History		X	X	X		None
AP US History			X	X	X	Global Studies or AP Human Geo
AP World History:Modern		X	X	X	X	Successful completion of AP HUG or Global Studies
Government			X	X		None
AP Government			X	X	X	US History and Global Studies
Psychology		X	X	X		None
AP Psychology		X	X	X	X	World History or AP Human Geography
Developmental Psychology			X	X	X	None – Gateway DL Course
Sociology		X	X	X		None
Introduction to Sociology			X	X	X	None – Gateway DL Course
Intro to Economics		X	X	X		None
Learning, Earning & Investing		X	X	X		None
AP Macroeconomics		X	X	X	X	None
AP Microeconomics		X	X	X	X	None
<b><u>Technology &amp; Engineering</u></b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>Laude Pts</b>	<b>Prerequisites</b>
PLTW Engineering Essentials (EE)	X	X	X	X	X	Algebra I or concurrent registration in Algebra I
PLTW Principles of Engineering (POE)		X	X	X	X	Geometry or concurrent registration in Geometry. PLTW EES highly recommended
PLTW Civil Engineering & Architecture (CEA)		X	X	X	X	Engineering Essentials or concurrent registration in POE. Geometry or concurrent registration in Geometry
SolidWorks Drafting	X	X	X	X	X	None
SolidWorks Drafting II		X	X	X		3D Solid Modeling I or Instructor's Approval
Foundations of Building Trades & Wood Product Manufacturing	X	X	X	X		None
Women & Woodworking	X	X	X	X		None

Wood Products Manufacturing Intermediate: Machines, Skills & Processes		X	X	X		Successful Completion of Foundations of Building Trades
Wood Products Manufacturing: Advanced: Cabinetmaking & Millwork			X	X	X	Successful Completion of Wood Prod Man Intermediate
Wood Products Manufacturing Capstone			X	X	X	Successful Completion of Wood Prod Man Advanced
Building Trades I: Intermediate Carpentry		X	X	X	X	Foundations of Building Trades or Instructor's Approval
Building Trades II: Advanced Carpentry			X	X	X	Building Trades I
Screen Printing Production	X	X	X	X		None
Graphics Communication I	X	X	X	X		None
Graphics Communication II		X	X	X	X	"C" or better in Graphic Communications I A and B, or instructor's approval
Graphics Communication III			X	X	X	"C" or better in Graphic Communications II A and B, or instructor's approval
Graphics Communication IV				X	X	"C" or better in Graphic Communications III A and B, or instructor's approval
Metals I	X	X	X	X	X	None
Metals II		X	X	X	X	Metals I
Metals III			X	X	X	Metals II or Instructor's Approval
Metals IV			X	X	X	Metals III
IT Essentials	X	X	X	X	X	None
3D Computer Animation I	X	X	X	X		None
3D Computer Animation II		X	X	X		Computer Animation I or Instructor's Approval
3D Printing	X	X	X	X		
<b><u>World Languages</u></b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>Laude Pts</b>	<b>Prerequisites</b>
Spanish I	X	X	X	X		None
Spanish II	X	X	X	X		Spanish I or Placement Exam
Spanish III Honors		X	X	X	X	Spanish II or Placement Exam
AP Spanish Literature & Culture		X	X	X	X	Successful completion of Spanish III Honors with a "B" or better or teacher recommendation
Advanced Latino Studies A	X	X	X	X	X	Spanish II Honors/Teacher Recommendation
Advanced Latino Studies B	X	X	X	X	X	Spanish II Honors/Teacher Recommendation

French I	X	X	X	X		None
French II	X	X	X	X		French I
French III Honors		X	X	X	X	French II
AP French Language & Culture		X	X	X	X	Successful completion of French III Honors with a "B" or better or teacher recommendation or Placement Exam
German I	X	X	X	X		None
German II		X	X	X		German I or Instructor's Approval
German III Honors			X	X	X	German II or Instructor's Approval
AP German Language & Culture		X	X	X	X	Successful completion of German III Honors with a "B" or better or teacher recommendation
Language Immersion Seminar		X	X	X		Spanish I, French I or German I
Global Languages and Perspectives (Blended)	X	X	X	X		None
American Sign Language I (Fall)		X	X	X	X	None – Gateway DL Course
American Sign Language II (Spring)		X	X	X	X	American Sign Lang I – Gateway DL Course
American Sign Language III (Fall)			X	X	X	American Sign Lang II – Gateway DL Course
American Sign Language IV (Spring)			X	X	X	American Sign Lang III – Gateway DL Course
Deaf History (Spring)	X	X	X	X	X	None – Gateway DL Course

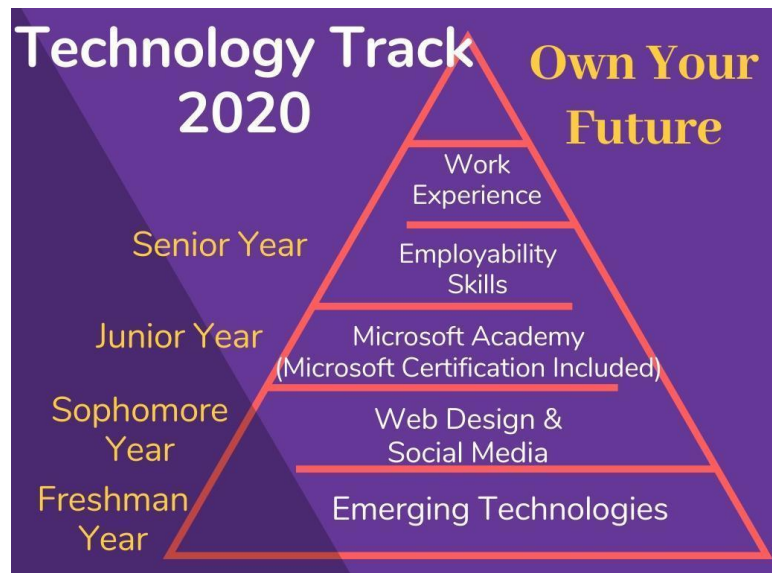
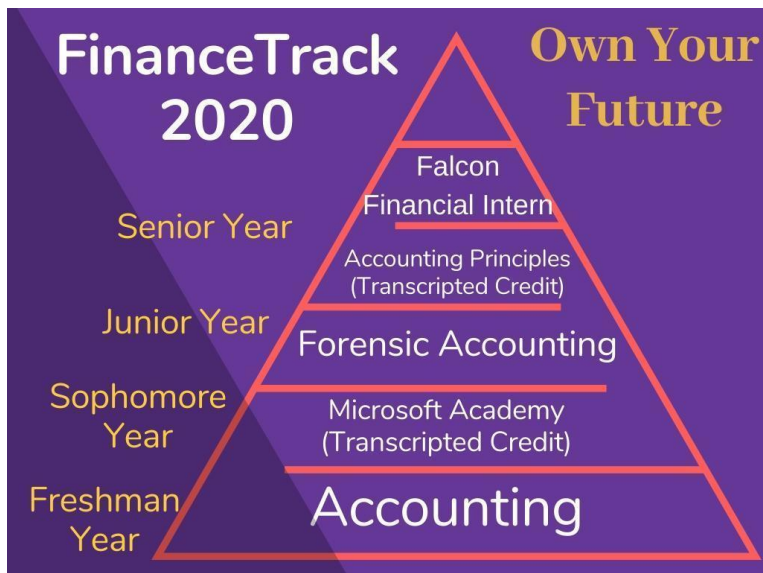


## Westosha Central

### Business & Marketing Department



Scan me  
with your  
phone!



## Business and Marketing

### PERSONAL FINANCE

549

Personal Finance is a graduation requirement which provides students with the knowledge and skills they need to explore their financial future while making life-long decisions. Students will gain an understanding of financial services, budgeting, credit cards, loans, investing, retirement, insurance and taxes. Curriculum will be enhanced through various guest speakers and simulations. Participation in MyLIFE is also required.

**CREDIT:** 0.5

**TYPE:** Gateway Transcribed/Laude

**GRADE:** 11-12

---

### ACCOUNTING

545

Accounting is known as the "language of business" and is strongly recommended for students planning on pursuing business degrees in college as well as students interested in management or ownership of businesses. This course provides an understanding of the basic elements and concepts of the double-entry accounting system. Students will use the accounting cycle to participate in a Monopoly Tournament. Careers in accounting, finance, and management will be explored through discussion and guest speakers. Students are required to purchase a workbook at registration.

**CREDIT:** 0.5

**TYPE:** Regular

**GRADE:** 9-12

---

### ACCOUNTING PRINCIPLES

566A/B

Accounting Principles is a full year course that is transcribed through Gateway Technical College. This course will be taught with Gateway's curriculum and will address the fundamental concept of the accounting process including financial statement preparation, journal entries, posting, adjusting and closing entries. Payroll, notes and interest and depreciation methods will also be covered.

**CREDIT:** 1.0

**TYPE:** Gateway Transcribed/Laude

**GRADE:** 10-12

**PREREQUISITE:** Accounting

---

### FORENSIC ACCOUNTING

568

Forensic Accounting will teach students how to identify, detect, investigate, and prevent financial fraud. Students will study and gain a strong understanding of the types of fraud and nature of fraud investigation today with current business examples and numerous actual fraud cases. This course will provide students with the critical thinking skills needed for forensic analysis. Students will also learn about e-business fraud and how technology can be used most effectively to detect fraud. This course is the next step for students to take in the finance career path.

**CREDIT:** 0.5

**TYPE:** Regular

**GRADE:** 10-12

**PREREQUISITE:** Accounting

---

**FALCON FINANCIAL INTERNSHIP****603A/B**

The Falcon Financial Internship will provide students in the finance track of the business department an opportunity to put their accounting skills to use. Students enrolled in this course will work closely with Central High School's School-Based Enterprise, the Falcon's Nest, to help complete all necessary financial actions including forecasting, budgeting, analyzing, and more! Students will also get real world experience by collaborating with local businesses on special projects.

**COURSE NOTE:** *Forensic Accounting is not required, but is strongly encouraged.*

**CREDIT:** 1.0**TYPE:** Laude**GRADE:** 11-12**PREREQUISITE:** Accounting and Accounting Principles or concurrent enrollment

---

**INTRODUCTION TO BUSINESS & MARKETING****526**

Introduction to Business and Marketing is an area of study that provides students with the knowledge and skills needed in marketing, business, and related occupations. The program area provides individuals with the principles, practices, and concepts involved in business activities, which direct the transfer of goods and the acquisition of services from the producer to the consumer. Students will utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Students will be provided with real world learning opportunities and instruction related to selection, development, and maintenance of individual business and marketing education programs. Students are encouraged to become active members of FBLA and DECA; national student organizations in business or marketing education.

**CREDIT:** 0.5**TYPE:** Gateway Transcribed/Laude**GRADE:** 9-11

---

**MARKETING****528**

Marketing is a hands-on business class that gives students a foundation to be successful in today's business industry. Marketing is virtually in every industry and makes the world go around. Energetic and creative people are in demand by many of today's corporations and small businesses. Course work includes the study of the marketing mix, and the functions of marketing including, selling, product/service management, and pricing. The course will be supplemented with case studies, guest speakers, and creative/critical thinking projects. Students are encouraged to become active members of FBLA and DECA; national student organizations in business or marketing education.

**CREDIT:** 0.5**TYPE:** Regular**GRADE:** 9-12

---

**ADVANCED MARKETING****529A/B**

Advanced Marketing is a capstone class for the student who is seriously considering a career in the field of marketing or business. Students who take the course will study the functions of marketing in depth. In the fall semester, students will be focusing on Promotion, Market Research, Visual Merchandising (1st Sem) and implementing solutions with businesses in the local community (2nd Sem) with businesses in the local community. In the spring semester, students will delve into Ethics, Distribution, and have a chance to follow their marketing passions in a self-directed study. Students will also study the character

traits necessary to become successful, personally and professionally, as they apply to areas of management.

**COURSE NOTE:** If you take Advanced Marketing, it is encouraged to take 602A/B-School Store Internship.

**CREDIT:** 1.0

**TYPE:** Gateway Transcribed/Laude

**GRADE:** 11-12

**PREREQUISITE:** Marketing with a "C" or better and/or teacher approval

---

## **SPORTS & ENTERTAINMENT MARKETING**

**556**

Sports and Entertainment Marketing is a unique course that is designed for students who have an interest in the world of sports as well as careers relating to the television, movie, gaming and music industries. The areas of study include event promotion, sponsorship, development and sales, event management, and the basic functions of marketing as they apply to the sporting and entertainment industries. Course work includes: Current Events, Branding Journal and Project Based Learning on Promo and planning, organizing, implementing and evaluating an event or project. Students also have the opportunity to create their own NFL franchise including a marketing plan, branding, and sponsorships. Students are encouraged to become active members of FBLA and DECA; national student organizations in business or marketing education.

**CREDIT:** 0.5

**TYPE:** Gateway Transcribed/Laude

**GRADE:** 10-12

**PREREQUISITE:** Marketing

---

## **ADVANCED SPORTS & ENTERTAINMENT MARKETING**

**559**

Advanced Sports & Entertainment Marketing is for students who have a very strong interest in sports and entertainment marketing. Course work is divided between classroom instruction in content areas in planning, organizing, implementing and evaluating an event or project. Areas of study include event promotion, sponsorship, development and sales, event management and the basic functions of marketing as they apply to the sport and entertainment industries. A portion of the learning opportunities may occur outside of the classroom and traditional day. Students are encouraged to become active members of FBLA and DECA; national student organizations in business or marketing education.

**CREDIT:** 0.5

**TYPE:** Regular

**GRADE:** 10-12

**PREREQUISITE:** Marketing and Sports & Entertainment Marketing

---

## **SCHOOL STORE INTERNSHIP**

**602A/B**

Students will work in the school store completing various assigned duties in running a successful business through merchandising, ordering, marketing, budgeting, scheduling, managing, etc. The student will be scheduled three to five .hours per week before school, during lunch, and also after school hours. Students will gain valuable work experience while experimenting in the entrepreneurial, retail and management industries.

**CREDIT:** 1.0

**TYPE:** Laude

**GRADE:** 11-12

**PREREQUISITE:** Marketing with a "C" or better and an application/interview for acceptance. Must also be enrolled in Advanced Marketing

---

**BUSINESS & PERSONAL LAW****531**

Business & Personal Law is a one-semester course that involves the application of legal practices into the individual's personal life. The course discusses lawmaking, how to settle disputes, civil and criminal law, contracts, and our court system. The class uses real-life examples to relate to many of the class discussions. During the semester we also take a field trip to the Milwaukee County Courthouse to view court proceedings, learn of the different divisions and meet judges. Students will have multiple opportunities to participate in civil and criminal mock trials. The class will help give students knowledge to apply to their life after high school.

**CREDIT:** 0.5**TYPE:** Regular**GRADE:** 9-12

---

**MANAGEMENT & ENTREPRENEURSHIP****560**

Management & Entrepreneurship enables students to develop an understanding of business operations and the skills necessary to become entrepreneurs. Students explore career, marketing, management, financial, and legal requirements to own and operate a small business. Students will have the opportunity to have a key management role in a small business during the Ice Cream Project. Students create their own businesses by choosing a business idea that is developed into a business plan throughout the semester.

**CREDIT:** 0.5**TYPE:** Regular**GRADE:** 10-12**PREREQUISITE:** Accounting, Intro to Business & Marketing, Marketing

---

**EMPLOYABILITY SKILLS****536**

Employability Skills provides the opportunity to develop skills needed to obtain and maintain employment. Course content includes understanding of self and others, communicating with others, experiencing career satisfaction, and dealing with change. Online tools are used to assist students in career decision-making, along with interest inventories and aptitude tests. Students will create employment portfolios, which include reference sheet, resume, letter of application, application forms, and a letter of recommendation. They will also participate in a mock interview.

**CREDIT:** 0.5**TYPE:** Regular**GRADE:** 10-12

---

**WORK EXPERIENCE****547A/B**

Central High School offers a .5 credit per semester work experience program through the Business Education department. This is a work release program. Students enrolled in the program will be eligible for early release to go to a school approved job. Students will complete the requirements to earn Wisconsin Employability Skills Certification.

To participate in this program, students must meet the following eligibility requirements:

- Current 2.0 GPA or higher and maintain a 2.0 GPA or higher while in the program
- Achieve Junior or Senior status

- Have no failing grades during the current school year
- Take and pass the Employability Skills class (APEX does not meet this requirement)
- Secure and maintain employment with one employer
- Agree to have their employment supervised at the employment site by the School-to-Work Coordinator
- Students enrolled in the Work Experience program will be expected to:
- Complete an application and interview with the School-to-Work Coordinator prior to enrollment in the Work Experience program.
- Work an average of 15 hours per week with one employer. Weekly work reports need to be completed to verify that this requirement is being met. Failure to do so may result in termination from the program.

Students taking this class in the first semester must reapply if they wish to continue the second semester.

**CREDIT:** 1.0

**TYPE:** Laude

**GRADE:** 11-12

**PREREQUISITE:** Employability Skills (can be taken during the same semester as Work Experience)

---

## **EMERGING TECHNOLOGIES**

**563**

Emerging Technologies is a course for students to explore technologies that will benefit them in the other courses and in the workplace. Activities such as blogs, wikis, podcasts, eBooks, YouTube videos, simulations, virtual worlds, and wireless and mobile computing are generating waves of new opportunities in higher education, K-12 schools, corporate training, and other learning environments. Students will use a variety of technologies within a design process to identify and solve problems by creating new, useful or imaginative solutions. This course will change year to year as new technologies emerge.

**CREDIT:** 0.5

**TYPE:** Regular

**GRADE:** 9-12

---

## **WEB DESIGN & SOCIAL MEDIA**

**561**

Web Design & Social Media is designed for those who want to learn the design, creation, and maintenance of websites, search engine optimization, social media and blogging. A variety of social media lessons and platforms are introduced to ensure students understand how social media can be used as a productive marketing tool. Students will have the opportunity to put web design and social media together in creating a website and a social media campaign for a business. Students in the course will benefit and understand why businesses today are using sophisticated web pages and social media accounts to market their company. Students will also learn the types of careers that are available to become a successful Web Designer/Social Media Specialist.

**CREDIT:** 0.5

**TYPE:** Regular

**GRADE:** 9-12

---

## **MICROSOFT ACADEMY**

**534**

Computer Applications allows students to get MICROSOFT CERTIFIED! Add that to your resume and put yourself at the top of the stack! Virtually all students have some familiarity with Google Docs or Microsoft Word. "However, individuals who carry out mail merges, format documents expertly and execute other complex functions are most highly recruited." careertoolbelt.com (2017)

Through hands-on practice, students will learn how to manage files, apply higher learning using MS Word (word processing), MS Excel (spreadsheets) and MS PowerPoint (presentation) software. These are the computer skills that WILL GET YOU HIRED!

**CREDIT:** 0.5

**TYPE:** Gateway Transcribed/Laude

**GRADE:** 9-12

## English

### ENGLISH 9

**1112A/B**

English 9 is a yearlong course that emphasizes reading comprehension of literature and informational texts, the process of writing creative and expository essays, vocabulary strategies, grammar concepts, poetic and literary devices, and 21st century literary skills. These activities will occur in two thematic based units: Suspense, The Hero's Quest, Love & Hate, and Discovering the World.

**CREDIT:** 1.0

**TYPE:** Regular

**GRADE:** 9

---

### ENGLISH 9 HONORS

**1111A/B**

English 9 Honors students will follow the curriculum stated for English 9, but texts for this course will increase in both number and challenge. Students will require excellent study habits in order to meet the challenges of the rigorous work. Students who choose to take this course should feel confident and prepared in their reading and writing skills learned in middle school to take on this challenge.

**CREDIT:** 1.0

**TYPE:** Honors/Laude

**GRADE:** 9

**PREREQUISITE:** Teacher/Counselor Recommendation

---

### ENGLISH 10

**1122A/B**

English 10 is a year-long course in which students continue to enhance their critical reading skills of literary and informational texts and sharpen their writing skills through writing research and expository essays. Vocabulary, grammar concept, novel analyzation, speech preparation and delivery as well as test taking skills for standardized tests will be discussed and explored. All of these activities can be found in four thematic-based units: quest for power, developing relationships, grief/loss and coming of age.

**CREDIT:** 1.0

**TYPE:** Regular

**GRADE:** 10

**PREREQUISITE:** English 9

---

### ENGLISH 10 HONORS

**1121A/B**

English 10 Honors is an accelerated course that follows the curriculum for English 10 and should be taken by those students identified as being proficient in writing, reading comprehension, grammar and vocabulary. Students who are self-disciplined, diligent, and have excellent study skills will find this class to be an appropriate placement and will be prepared for honors courses in their junior year.

**CREDIT:** 1.0

**TYPE:** Honors/Laude

**GRADE:** 10

**PREREQUISITE:** An "A" or "B" in English 9 Honors or teacher recommendation

---

**ENGLISH 11: EARLY AMERICAN LITERATURE AND COMPOSITION****1191**

This course combined with English 11: Contemporary Literature and Composition, or Intro to Human Communications Honors, or Creative Writing fulfills a one credit requirement for junior English. English 11 predominantly explores American literature and informational texts from early American history to Contemporary America. Students should be able to critically analyze themes and symbols in these texts. At this level, students will be expected to research, develop, and write various kinds of essays and to revise their own work. Developing vocabulary and voice to improve writing sophistication will be a part of the writing process. Along with reading and writing, students will discuss grammar, vocabulary, and give oral presentations on themes such as civic responsibility, identity, racism, and societal concerns and challenges.

**CREDIT:** 0.5**TYPE:** Regular**GRADE:** 11**PREREQUISITE:** English 10

---

**ENGLISH 11: CONTEMPORARY LITERATURE AND COMPOSITION****1192**

This course combined with English 11: Early American Literature and Composition, or Intro to Human Communication Honors, or Creative Writing fulfills a one credit requirement for junior English. English 11 predominantly explores American literature and informational texts from early American history to Contemporary America. Students should be able to critically analyze themes and symbols in these texts. At this level, students will be expected to research, develop, and write various kinds of essays and to revise & their own work. Developing vocabulary and voice to improve writing sophistication will be a part of the writing process. Along with reading and writing, students will discuss grammar, vocabulary, and give oral presentations or themes such as civic responsibility, identity, racism, and societal concerns and challenges.

**CREDIT:** 0.5**TYPE:** Regular**GRADE:** 11**PREREQUISITE:** English 10

---

**ENGLISH 11 HONORS: EARLY AMERICAN LITERATURE AND COMP****1193**

This course combined with English 11 Honors: Contemporary Literature and Composition, fulfills the one credit requirement for junior level English. English 11 Honors is an upper level course that follows the curriculum of English 11 and is appropriate for students who desire a more rigorous and challenging reading course and are eager to perfect their writing skills. Students will discuss and write about literature of different time periods to make connections to events in society today. This section focuses on American Literature prior to the Civil War. Students will learn to write essays similar to those assigned in a technical school course or a college class.

**CREDIT:** 0.5**TYPE:** Honors/Laude**GRADE:** 11**PREREQUISITE:** An "A" or "B" in English 10 Honors or teacher recommendation.



---

**ENGLISH 11 HONORS: CONTEMPORARY LITERATURE AND COMP****1194**

This course combined with English 11 Honors: Early American Literature and Composition, fulfills the one credit requirement for junior level English. English 11 Honors is an upper level course that follows the curriculum of English 11 and is appropriate for students who desire a more rigorous and challenging reading course and are eager to perfect their writing skills. Students will discuss and write about literature of different time periods to make connections to events in society today. This section focuses on American Literature after the Civil War. Students will learn to write essays similar to those assigned in a technical school course or a college class.

**CREDIT:** 0.5**TYPE:** Honors/Laude**GRADE:** 11**PREREQUISITE:** An "A" or "B" in English 10 Honors or teacher recommendation.

---

**ENGLISH 12: SPIRITUALITY AND DYSTOPIA****1132**

This course combined with English 12: War and Survival, or Intro to Human Communication Honors, or Creative Writing, fulfills the one credit requirement for senior level English. Together they will discuss such topics as survival, war, spirituality and utopian/dystopian societies. Reading, creating projects, writing, discussing, learning new vocabulary and analyzing literature and informational texts will be covered within those four units. Students will continue to critically analyze these texts as well as write various essays that connect to these units.

**CREDIT:** 0.5**TYPE:** Regular**GRADE:** 12

---

**ENGLISH 12: WAR AND SURVIVAL****1133**

This course combined with English 12: Spirituality and Dystopia, or Intro to Human Communication Honors, or Creative Writing, fulfills the one credit requirement for senior level English. Together they will discuss such topics as survival, war, spirituality and utopian/dystopian societies. Reading, creating projects, writing, discussing, learning new vocabulary and analyzing literature and informational texts will be covered within those four units. Students will continue to critically analyze these texts as well as write various essays that connect to these units.

**CREDIT:** 0.5**TYPE:** Regular**GRADE:** 12

---

**ENGLISH 12 HONORS: SPIRITUALITY AND DYSTOPIA****1134**

This course combined with English 12 Honors: War and Survival, fulfills the one credit requirement for senior level English. This honors course is designed for Students who want to hone their writing and reading skills for college; therefore, the course of study will be more in-depth and academically challenging. The amount of outside reading and writing will be greater than English 12 and requires excellent study habits. Classwork will include critical thinking exercises, practice in the correct usage of the English language, and study of literary terms/devices, all of which incorporate the literature, culture, and time period studied. Essays in this course will be similar to those assigned in a typical college setting and will be required to display a high level of complexity and insight.

**CREDIT:** 0.5

**TYPE:** Honors/Laude

**GRADE:**12

**PREREQUISITE:** An "A" or "B" in English 11 Honors or teacher recommendation.

---

**ENGLISH 12 HONORS: WAR AND SURVIVAL**

**1135**

This course combined with English 12 Honors: Spirituality and Dystopia, fulfills the one credit requirement for senior level English. This honors course is designed for students who want to hone their writing and reading skills for college; therefore, the course of study will be more in-depth and academically challenging. The amount of outside reading and writing will be greater than English 12 and requires excellent study habits. Classwork will include critical thinking exercises, practice in the correct usage of the English language, and study of literary terms/devices, all of which incorporate the literature, culture, and time period studied. Essays in this course will be similar to those assigned in a typical college setting and will be required to display a high level of complexity and insight.

**CREDIT:** 0.5

**TYPE:** Honors/Laude

**GRADE:**12

**PREREQUISITE:** An "A" or "B" in English 11 Honors or teacher recommendation.

---

**AP ENGLISH: LANGUAGE AND COMPOSITION**

**1171A/B**

AP English: Language and Composition concentrates on both effective writing and critical reading at the college level. Students will study literary selections from various genres, periods, and nationalities with an emphasis on developing their awareness of the expressive potential of language. Students learn to recognize the different aims (to inform, to persuade, to express) and modes (narrative, descriptive, analytic) of discourse. Passages representing different styles and purposes will be examined for their diction, syntax, tone, structure, purpose, and meaning. Students will write several essays, especially those of a persuasive, argumentative, and analytical nature. They will also research a topic, writing an extensive, argumentative research paper on that topic. In addition, students will study in depth four to seven books of different genres – autobiography, biography, fiction, history, etc. Critical reading and writing activities in this course will be focused on preparing students to write the AP examination in the spring in Language and Composition for college credit. Students are expected to complete a challenging summer reading and writing task.

**COURSE NOTE:** Books must be ordered for this course

**CREDIT:** 1.0

**TYPE:** Advanced Placement/Laude

**GRADE:**11

**PREREQUISITE:** An "A" or "B" in an English Honors course the previous year and teacher recommendation.

---

**AP ENGLISH: LITERATURE AND COMPOSITION**

**1170A/B**

AP English: Literature and Composition is a college-level study of novels, poetry, and drama coupled with advanced writing assignments. Through their involvement in both the study and practice of writing, students will become more aware of the resources of language, including connotation, metaphor, irony, syntax, and tone, as well as more aware of broader aspects of literature: structure, character, pacing, plot, theme, etc. Writing assignments will focus on the critical analysis of literature and include essays of exposition and argument. In the spring semester, students will be encouraged to write the AP examination in Literature and Composition for possible college credit. Over the summer, students will read a short novel and write a short analysis of that novel.

**COURSE NOTE:** Will require additional fees (approx. \$60.00).

**CREDIT:** 1.0

**TYPE:** Advanced Placement/Laude

**GRADE:** 12

**PREREQUISITE:** An "A" or "B" in an English Honors course the previous year.

---

### **AP ENGLISH: LITERATURE AND COMPOSITION BLENDED**

**91170A/B**

This online/blended section of AP English: Literature and Composition will require in-class meetings once every other week, during "zero hour" before school, at 6:30 a.m. (exact days to be determined), but will otherwise take place online. The curriculum will follow that of the face-to-face section of AP English, but the benefits of this section are many. Students will free up their schedules, they will learn to work more independently, and they will gain preparation for similar online college work. Students enrolled in the online/blended section need to possess strong study habits, the ability to seek help, and the drive to complete work independently. They should also be willing to utilize web tools, such as Turnitin.com, Schoology, Google docs, and Gmail. As with the face-to-face sections, the aim of this section is for students to earn college credit by passing the AP English exam in the spring.

**COURSE NOTE:** Will require additional fees (approx. \$60.00).

**CREDIT:** 1.0

**TYPE:** Advanced Placement/Laude

**GRADE:** 12

**PREREQUISITE:** Students must have earned an "A" or "B" in an English Honors course the previous year or have obtained a recommendation from their previous year's English teacher.

---

### **COLLEGE ENGLISH COMPOSITION**

**1166A/B**

This course is designed for learners to develop knowledge and skills in all aspects of the writing process. Planning, organizing, writing, editing and revising are applied through a variety of activities. Students will analyze audience and purpose, use elements of research, and format documents using standard guidelines. Individuals will develop critical reading skills through analysis of various written documents. The addition of this course would provide students yet another avenue for earning college credit.

**CREDIT:** 1.0

**TYPE:** Gateway Transcribed/Laude

**GRADE:** 12

**PREREQUISITE:** Students must have earned a "B" or better in English 11 (honors or regular).

---

### **INTRODUCTION TO HUMAN COMMUNICATION HONORS**

**1142**

This is a rigorous one semester course for juniors and seniors that is designed to help students increase their effectiveness in public speaking and to help them gain confidence in using these skills. Students will learn to effectively write, deliver and evaluate the speech to inform, persuade and entertain. Students will reflect on communication and work to become better communicators.

**CREDIT:** 0.5

**TYPE:** Honors/Laude

**GRADE:** 11-12

**PREREQUISITE:** English 9 and 10

---

### **CREATIVE WRITING I**

**1167**

Creative Writing introduces students to the foundational principles of writing short fiction and poetry. The course emphasizes analysis of model literary works, to identify specific styles and strategies students will

employ in their own writing. Students will learn nomenclature specific to the craft of writing fiction and poetry; special attention is paid to form and structure. Other key topics include: characterization, plot development, theme, style, voice, audience, setting and atmosphere, poetic forms and free verse, as well as publication. This class is organized as a writing workshop in which students share and critique one another's work then revise accordingly. Students speak on a weekly basis, both in presenting their creative pieces as well as in workshoping them. Students need to understand that the class is equivalent in rigor to any other credit-fulfilling junior or senior English class.

**COURSE NOTE:** Eng. 9 and 10 (Regular or Honors required as a prerequisite)

**CREDIT:** 0.5

**TYPE:** Regular

**GRADE:** 11-12

**PREREQUISITE:** English 9 & English 10

---

## **CREATIVE WRITING II**

**1159**

This semester-long course is devoted to advancing the skills acquired in Creative Writing I. Students will read extensively and from a variety of genres. After analyzing model pieces, students will apply the knowledge gained to their own original short stories and poems and will then workshop these pieces. Students will also have opportunities to work on longer projects-novel or novella-length projects-as well as other forms, such as drama, memoir, and screenwriting, all genres not granted CWI students. The course content will focus on but not be limited to voice, structure, aesthetics, style, dialogue, plot, and character development. A guest writer will speak to the class, and students will engage more deeply with lessons provided in the Masterclass series, by authors such as Margaret Atwood, Billy Collins, David Lynch, Salman Rushdie, and Neil Gaiman. Emphasis will be placed on publishing, on the literary market, and on book production. CWII students will also take a more prominent role in producing the CHS Literary Journal, from typewetting to image preparation.

**CREDIT:** 0.5

**TYPE:** Regular

**GRADE:** 11-12

**PREREQUISITE:** Creative Writing I

---

## **ENGLISH: STUDIES IN DIVERSITY & MULTICULTURALISM**

**1136A/B**

Semesters one and two of this course fulfill the one credit requirement for junior or senior level English. Specifically, this class examines the development and state of cultural diversity through a focus on historical, sociological, and philosophical foundations within informational texts, literature, scholarly essays, film, and media publications. Rather than focus solely on literature from specific countries, this course will focus on the role of ethnicity, race or gender by semester in both the United States and internationally. Students will engage in critical questioning, assessment and evaluation of the challenges they and others of diverse cultural backgrounds face in our rapidly evolving world through literature and composition.

There may be materials we read, view, discuss and write about that deal with sensitive and mature issues, topics and concepts. Debate is encouraged and necessary for students in order to develop their argumentative, analytical and critical reading and writing skills.

**CREDIT:** 1.0

**TYPE:** Regular

**GRADE:** 11-12

**PREREQUISITE:** English 9 or English 10

---

**ENG HONORS: STUDIES IN DIVERSITY AND MULTICULTURALISM****1137A/B**

Studies in Diversity and Multiculturalism examines the development and state of cultural diversity through a focus on historical, sociological, and philosophical foundations within informational text, literature, scholarly essays, film and media publications. Special emphasis is placed on the role of ethnicity in the development (past, present and future) of the United States in the first semester with an emphasis beyond America's borders in the second semester. Students will engage in critical questioning, assessment and evaluation of the challenges they, and others of diverse cultural backgrounds face in our rapidly evolving world.

**NOTICE:** There may be materials we read, view, discuss and write about that deal with sensitive and mature issues, topics and concepts. Debate is encouraged and necessary for students in order to develop their argumentative, analytical and critical reading and writing skills.

**CREDIT:** 1.0**TYPE:** Honors/Laude**GRADE:** 11-12

---

**YEARBOOK****1140A/B**

Yearbook is an elective that offers students experience in print media publishing. This course works solely toward the completion and sale of Westosha Central High School's yearbook. Yearbook class is different from most in that it is a real business maintaining an account that must balance at the end of each term. Students will learn journalism and photojournalism basics as well as design components-- learning to compose, construct, edit, and produce computerized text layouts and graphic art. They will examine legal/ethical aspects of media law and copyright. Additionally, students are responsible for clerical operations, making announcements, polling students, taking photos, conducting interviews, and writing articles. Consequently, the course covers many of the content standards and objectives from English, art, business, and computer technology courses. Out of class and after school, students will shoot digital photos, sell and design advertising, and distribute yearbooks. Students must be hard working and work effectively as a team to produce the school's yearbook.

**COURSE NOTE:** This class counts as an elective credit, not an English credit.

**CREDIT:** 1.0**TYPE:** Regular**GRADE:** 9-12

## Family and Consumer Science

### INTERNATIONAL FOODS

**641**

In this globally competitive age, International Foods will help students respect cultural differences and respond open mindedly to different ideas and values, preparing students to work effectively with people from a range of social and cultural backgrounds. The class will immerse students in food traditions from around the world. Food, in relation to location, climate, availability, social class, religion, and cooking techniques will be studied with regular culinary lab experiences.

**COURSE NOTE:** May require additional fees.

**CREDIT:** 0.5

**TYPE:** Regular

**GRADE:** 9-12

**PREREQUISITE:** Performance Foods or Culinary Skills I

---

### PERFORMANCE FOODS

**624**

While learning to collaborate with others in Performance Foods, students gain a basic understanding of the impact food has on their increasingly complex lives. The diet/health link is explored and fundamental food preparation techniques are regularly practiced in the kitchen area.

**COURSE NOTE:** May require additional fees.

**CREDIT:** 0.5

**TYPE:** Regular

**GRADE:** 9-12

---

### FOOD SCIENCE

**625A/B**

Food Science incorporates science concepts into a lab-oriented foods class. The laws of science are at work in foods prepared at home and by the food industry. Through lab experiments and taste testing panels, students will practice scientific and sensory evaluation of foods. They will examine the positive and negative impact of microorganisms on the food supply. Students will also explore the variety of careers available to graduates with a food science background.

**COURSE NOTE:** May require additional fees. Science Elective Credit

**CREDIT:** 1.0

**TYPE:** Regular

**GRADE:** 11-12

**PREREQUISITE:** Biology

---

### CULINARY SKILLS I

**621A/B**

The ability to work effectively and respectfully with diverse teams is practiced in Culinary Skills I, while students develop initiative and self-direction. The class provides the opportunity to explore the areas of meal production, baking, and pastries, both in the home and in commercial settings. A majority of the time is spent on specialty food preparation and large meal projects.

**COURSE NOTE:** May require additional fees.

**CREDIT:** 1.0

**TYPE:** Regular

**GRADE:** 9-12

---

**CULINARY SKILLS II****661A/B**

Preparing for a demanding career, Culinary Skills II uses the ProStart curriculum from the National Restaurant Association giving the Students a professional start to a career in the Food and Hospitality industry. Students develop skills, knowledge, and job training in the classroom portion of the program. Academic credit for the complete Two-year program can be transferred to many Associate and/or Bachelor Degree programs. There is also the opportunity for numerous post-secondary scholarships. If a student passes both years of the National Exam and completes the hours of on-the-job training, they earn the National Prostart Certificate of Achievement.

**COURSE NOTE:** May require additional fees.

**CREDIT:** 1.0                                      **TYPE:** Gateway Transcribed-2 Courses/Laude    **GRADE:** 10-12

**PREREQUISITE:** Culinary Skills I (may be taken simultaneously).

---

**CULINARY SKILLS III****662A/B**

Culinary Skills III uses the second level textbook of the ProStart curriculum to teach students to be effective 21st century workers. Students can expect a lot of independent work, while planning their lab experiences to correlate with their studies. If a student passes both years of the National Exam and completes the hours of on-the-job training, they earn the National Prostart Certificate of Achievement.

**COURSE NOTE:** May require additional fees.

**CREDIT:** 1.0                                      **TYPE:** Gateway Transcribed/Laude    **GRADE:** 11-12

**PREREQUISITE:** Culinary Skills II (may be taken simultaneously)

---

**BAKING AND PASTRY ARTS****642**

The course presents basic baking techniques and convenience baking techniques and procedures related to food service operations. Use and care of equipment are presented. Sanitation and hygiene considerations are reviewed.

The rationale and purpose for this course would be to offer a course for students to expand their baking skills beyond Culinary 1. This course would offer diverse opportunities for students to progress in the culinary field by focusing on the bakery industry. This course will be offered as a transcribed Gateway course, 3 college credits.

**CREDIT:** 0.5                                      **TYPE:** Transcribed/Gateway    **GRADE:** 9-12

**PREREQUISITE:** Culinary I

---

**CULINARY CAREER CO-OP****619A/B**

Students currently enrolled in Culinary II or III may take the Culinary Career Co-op and earn additional credit for working in the food service industry. Students may leave school one or two periods early to work or they can fulfill the credit requirement by scheduling the career co-op after the regular school hours. The teacher coordinator works closely with the approved job site to track the student's hours and progress towards the development of goals set forth by the National ProStart Program and/or the State Skills

Certificate. Students may enroll in the class with a job site secured or the teacher coordinator will help them secure a position.

**CREDIT:** 1.0

**TYPE:** Laude

**GRADE:** 11-12

---

### **INTRODUCTION TO HOSPITALITY**

**628**

This class will explore the world of hospitality; food & beverage, lodging, tourism & travel, event planning, recreation and their related businesses. Origin, development, current scope, and future outlook of the hospitality industry are covered. Global perspectives and diversity issues are also discussed as they relate to the hospitality industry. This class prepares students to interact with people, covering social and corporate etiquette. History, background and future trends of each field are presented in such a manner as to enable students to evaluate and make career decisions. Students will begin to develop a career portfolio that will showcase the student's personal and professional development in relation to a career pathway and 21st Century Skills.

**CREDIT:** 0.5

**TYPE:** Gateway Transcribed/Laude

**GRADE:** 9-12

---

### **CHILD DEVELOPMENT**

**631A/B**

Being responsible to others is an important life skill contribution of Child Development, which allows the student to study the physical, social, emotional, and cognitive growth of the child from conception through age 8. Several hands-on experiences with children will provide practical and realistic situations.

**CREDIT:** 1.0

**TYPE:** Gateway Transcribed/Laude

**GRADE:** 9-12

---

### **FOUNDATIONS OF EARLY CHILDHOOD EDUCATION/ACCT**

**633**

Foundations of Early Childhood Education/ACCT is a valuable course for a student interested in any career with children or a temporary job in a childcare facility. Working on the life and career skills of flexibility, adaptability, leadership, responsibility, initiative, collaboration, communication, and cross-cultural skills, this course will certify the student to work in a child care facility. While enrolled, the student will complement the classroom instruction with observation at various child care facilities. Having successfully completed the requirements, the student will be certified to work as an Assistant Teacher in a child care facility prior to graduation.. \*Students interested in earning their Teacher Certificate during their senior year in Childcare: Health, Safety, and Nutrition and Child Career Co-op must take this class as a junior.

**CREDIT:** 0.5

**TYPE:** Gateway Transcribed/Laude

**GRADE:** 11-12

**PREREQUISITE:** Child Development or Department Approval.

---

### **CHILDCARE: HEALTH, SAFETY, & NUTRITION**

**616A/B**

Child Care: Health, Safety & Nutrition will provide instruction in the knowledge and technical skills specifically needed for working with young children in a child care or educational setting. The yearlong course includes Gateway Technical College curriculum for their course Health, Safety & Nutrition, which in turn allows the student to earn dual/transcribed credit. By taking this course and the Child Career Co-op, students may earn their State Certification as a Child Care Teacher. The experience and knowledge gained is valuable to students interested in any career working with children!



**CREDIT:** 1.0                                      **TYPE:** Gateway Transcribed/Laude                                      **GRADE:** 12  
**PREREQUISITE:** Foundations of Early Childhood Education/ACCT

---

**CHILD CAREER CO-OP** **620A/B**

Guided by a set of child care State Certification skills, the student will work with pay at a licensed group child care center for a total of 480 hours during the school year (average 15 hours per week, Monday through Friday). Upon successful completion and graduation from high school, the student will be certified as a Child Care Teacher in the State of Wisconsin.

The experience gained in working with young children would be valuable to those entering the field of education or any career working with children (i.e. social work, pediatrics...)

**CREDIT:** 1.0                                      **TYPE:** Gateway Transcribed/Laude                                      **GRADE:** 11-12  
**PREREQUISITE:** Foundations of Early Childhood Education/ACCT and Child Development  
**COREQUISITES:** Childcare: Health, Safety & Nutrition or Teacher Approval

---

**INTRODUCTION TO HEALTH OCCUPATIONS** **636**

This course provides an overview of the healthcare industry. Students will identify characteristics of various health care services areas. The learner will acquire essential knowledge, skills and attributes necessary to be employed in the healthcare industry. There is a focus on ethics, confidentiality, legal issues, responsible behaviors and spoken and written communication. The learner will investigate the roles and responsibilities of a variety of career options within the healthcare industry. Students will experience job shadowing in a variety of careers in hospitals, clinics and long-term care facilities.

**Career Clusters:** Health Services

**CREDIT:** 0.5                                      **TYPE:** Regular                                      **GRADE:** 9-12

---

**INTRO TO MEDICAL TERMINOLOGY** **630**

Health literacy is critical for the student who is interested in pursuing a medical career or associated career in the healthcare system. In Intro to Medical Terminology students will learn 350 medical terms and understand how to utilize those terms to create the language of medicine.

**CREDIT:** 0.5                                      **TYPE:** Regular                                      **GRADE:** 10-12

---

**ADVANCED MEDICAL TERMINOLOGY** **635**

More health literacy is investigated in Advanced Medical Terminology where students practice formation and analysis of terms. With an emphasis on spelling and pronunciation, an introduction to tie terminology used for all body systems and surgery are covered. If completed successfully, the student can earn three college credits through Gateway Technical Institute.

\*Gateway Articulated - Advanced Standing with a "B" or better.

**CREDIT:** 0.5                                      **TYPE:** Laude                                      **GRADE:** 10-12  
**PREREQUISITE:** Intro to Medical Terminology

---

**FASHION ENGINEERING & DESIGN I****671A/B**

Students will learn to prioritize, plan and manage their work to produce high quality products, preparing them for the 21st century. FED I is designed to introduce students to the world of apparel and fashion. A study of both the elements and principles of design allows students to learn how to manipulate color, line, texture, pattern, proportion, balance, and unity to design a flattering garment for a specific feel, age, body type, and skin tone. Students will use the cyclical STE(A)M design process while learning the "Art of Quilting". Students will be trained to use the latest equipment and tools for construction, including sewing, serger, and embroidery machines.

**COURSE NOTE:** May require additional fees.

**CREDIT:** 1.0**TYPE:** Regular**GRADE:** 9-12

---

**FASHION ENGINEERING & DESIGN II****672A/B**

Productivity and accountability continue to be emphasized in this advanced class, along with the creativity and innovation using the cyclical STE(A)M design process. Students explore their talent within the fashion industry for higher education options and career choices. The curriculum follows industry specifications through research and hands-on activities including: history and trends in fashion, fashion illustration, draping, fashion merchandising, event planning, flat pattern making, fashion designing, advanced construction techniques, and apparel marketing and advertising.

**COURSE NOTE:** May Require Additional Fees.

**CREDIT:** 1.0**TYPE:** Regular**GRADE:** 10-12

**PREREQUISITE:** Fashion Engineering & Design I or Department Approval

---

**FASHION ENGINEERING & DESIGN III****673A/B**

Fashion III will lead students to consider their future in the fashion industry. Included are textile and apparel careers, retail careers, promotional careers, and entrepreneurship opportunities. Students will be involved in Touch of Class, our student run business, featuring long-arm quilting and commercial embroidery. Students use the cyclical STE(A)M design process as they effectively use the latest fashion design software, Digital Fashion Pro, to experience how designers in the 21st century create wearable and sellable clothing lines. This course culminates by planning and executing a fashion showcase event.

**COURSE NOTE:** May require additional fees.

**CREDIT:** 1.0**TYPE:** Regular**GRADE:** 11-12

**PREREQUISITE:** Fashion Engineering & Design II

---

**INTERIOR DESIGN****650**

While teaching students to work and think creatively, Interior Design introduces students to the myriad of career pathways in the field. Students study and apply elements of interior design to interior environments while focusing on basic concepts in the design process, space planning, color theory, selecting finishes and furnishings, and design communications techniques. Students will apply the fundamentals of design in hands-on lab experiences.

**COURSE NOTE:** May require additional fees.

**CREDIT:** 0.5

**TYPE:** Gateway Transcribed/Laude

**GRADE:** 9-12

---

**HISTORY OF FURNITURE AND DECORATIVE ARTS**

**675**

This course emphasizes the history of decorative arts from ancient times through the technological era. Furnishings, accessories, background treatments, typical materials, methods of ornamentation and motifs are studied in chronological sequence from earliest to contemporary era. Projects coordinate to establish style in residential and contract spaces. Visual identification is important as well as discovering the beauty and usefulness of each style. It is a delightful, experience-expanding class.

**CREDIT:** 0.5

**TYPE:** Gateway Transcribed/Laude

**GRADE:** 9-12

---

**RELATIONSHIP SMARTS**

**614**

Focusing on critical thinking, problem solving, communication, and collaboration, this class addresses positive youth development, life skills, healthy relationships, dating violence, and family choices. Parent/child relations and parenting strategies are explored. It empowers youth to form and maintain healthy relationships, make wise choices, and work toward their goals. Topics include self-awareness, developing healthy relationships, communication and conflict, intimacy decisions, updates to the success sequence, and social media. Additional fees may be required.

**COURSE NOTE:** Additional fees may be required.

**CREDIT:** 0.5

**TYPE:** Regular

**GRADE:** 9-12

---

**SENIOR STRATEGIES**

**649A/B**

Initiative and Self-Direction are the life skills focus of Senior Strategies. Seniors in high school are facing huge transitions. This course helps them prepare by teaching them how to make realistic goals, manage stress, create a plan for after high school, survive roommates, develop organizational skills, and become a smart consumer. Students will face college life and beyond with confidence! We will focus on personal development, decisions, relationships with family, friends and relationships. The event planning project is a favorite with students.

**COURSE NOTE:** May require additional fees.

**CREDIT:** 1.0

**TYPE:** Regular

**GRADE:** 11-12

---

## Fine Arts

### Art

#### **DRAWING AND PAINTING**

**802A/B**

As a student in the Drawing and Painting, you will create a portfolio demonstrating studio skills and the breadth of art in traditional, contemporary and experimental forms. You will explore aesthetic possibilities in the abstract and representational areas. You will work with traditional and non-traditional materials within a variety of subject matter including still life, interiors, landscape, cityscape, and the portrait. You are encouraged to continue your exploration in DRAWING & PAINTING ADVANCED,

**COURSE NOTE:** May require additional fees.

**CREDIT:** 1.0

**TYPE:** Regular

**GRADE:** 9-12

---

#### **DRAWING & PAINTING ADVANCED**

**803A/B**

As a student in Drawing and Painting Advanced, you will create a portfolio of work demonstrating a developed aesthetic judgment and refined personal vision. You will explore mark making techniques through a range of preferred subject matter and media. Your efforts are concentrated on visual experimentation, conceptual sophistication, and imaginative solutions to drawing and painting design issues. You are encouraged to continue your exploration in DRAWING & PAINTING AP ART & DESIGN

**COURSE NOTE:** May require additional fees.

**CREDIT:** 1.0

**TYPE:** Laude

**GRADE:** 10-12

**PREREQUISITE:** Drawing and Painting or Instructor Approval

---

#### **DRAWING & PAINTING AP ART & DESIGN**

**823A/B**

As a student in AP Art and Design, you will create a self-directed portfolio of college-level work, demonstrating visual evidence of drawing and painting skills with visual synthesis among materials, processes and ideas. The Drawing and Painting AP portfolio emphasizes mark-making and surface treatment using line, space, light, shade and composition. Your portfolio can be submitted to the AP College Board for evaluation. A score of 3 or greater will qualify for college credits and/or advanced placement.

**COURSE NOTE:** May require additional fees.

**CREDIT:** 1.0

**TYPE:** Advanced Placement/Laude

**GRADE:** 10-12

**PREREQUISITE:** Instructor Approval

---

**2D ART & DESIGN****831A/B**

As a student in 2D Art and Design you will create a portfolio of work demonstrating the exploration of the elements and principles of design essential to the creation of impactful compositions. You will understand and apply the two-dimensional design concepts of figure/ground, scale/proportion, pattern, value, line, color, time and space. Your studio work will explore two-dimensional design through a range of preferred subject matter and media including watercolor, acrylic paint, pastels, collage and digital. You are encouraged to continue your exploration in 2D AP ART & DESIGN.

**COURSE NOTE:** May require additional fees.

**CREDIT:** 1.0**TYPE:** Regular**GRADE:** 9-12

---

**2D CARTOONING & ILLUSTRATION****832A/B**

As a student in 2D Cartooning & Illustration, you will create a portfolio of work communicating entertaining and effective narratives using words and pictures. You will explore the design concepts of picture plane and compositional layout through formats such as graphic novels, comic books, comic strips, anime and caricature. You will be encouraged to work with various media including drawing, painting, markers and digital programs with a tablet and stylus. You are encouraged to continue your exploration in 2D AP ART & DESIGN.

**COURSE NOTE:** Additional fees required.

**CREDIT:** 1.0**TYPE:** Regular**GRADE:** 9-12

---

**2D DIGITAL PHOTOGRAPHY****816A/B**

As a student in 2D Digital Photography, you will create a portfolio of work demonstrating your skills as a visual communicator using the latest digital imaging programs. You will exploit the artistic potential of the digital media and employ traditional and alternative photographic field strategies and techniques. You will increase your creativity and technical competency as you utilize all aspects of your camera to compose impactful images. A digital camera can be provided if needed. You are encouraged to continue your exploration in 2D DIGITAL PHOTOGRAPHY ADVANCED

**COURSE NOTE:** Additional fees required.

**CREDIT:** 1.0**TYPE:** Regular**GRADE:** 9-12

---

**2D DIGITAL PHOTOGRAPHY ADVANCED****817A/B**

As a student in 2D Digital Photography Advance, you will create a portfolio demonstrating a developed aesthetic judgement and refined personal vision. You will explore photography and digital manipulation techniques through a range of preferred subject matter. Your efforts will concentrate on visual experimentation, conceptual sophistication and imaginative solutions to two-dimensional design issues. You are encouraged to continue your exploration in 2D AP ART & DESIGN

**COURSE NOTE:** Additional fees required.

**CREDIT:** 1.0                      **TYPE:** Laude  
**PREREQUISITE:** Digital Photography or Instructor Approval

---

**GRADE:** 10-12

## **2D DIGITAL VIDEO**

**818**

As a student in Digital Video, you will create a playlist demonstrating all phases of pre-production, production and post-production. You will engage in storyboarding, scriptwriting, green screening, editing, sound design, lighting and directing. You will create video productions for a variety of purposes such as commercials, documentaries and music videos. You are encouraged to continue your exploration in 2D DIGITAL VIDEO ADVANCED

**COURSE NOTE:** Additional fees required.

**CREDIT:** 0.5                      **TYPE:** Regular

**GRADE:** 9-12

---

## **2D ADVANCED DIGITAL VIDEO**

**822**

As a student in Digital Video Advanced, you will create a playlist demonstrating a personal interest in the theoretical, aesthetic and practical elements of digital video pre-productions, production and post-production. You will apply advanced skills of storyboarding, scripting, directing, shooting, lighting and editing digital video production for a variety of preferred purposes and audiences. You are encouraged to continue your exploration in 2D AP STUDIO ART & DESIGN.

**COURSE NOTE:** Additional fees required.

**CREDIT:** 0.5                      **TYPE:** Laude  
**PREREQUISITE:** Digital Video or consent of the Instructor.

---

**GRADE:** 10-12

## **2D AP ART AND DESIGN**

**824A/B**

As a student in AP Art and Design, you will create a self-directed portfolio of college-level work, demonstrating visual evidence of 2D skills with visual synthesis among materials, processes and ideas. The 2D AP portfolio emphasizes the compositional design concepts of figure/ground, scale/proportion, pattern, value, line, color, time and space. Your portfolio can be submitted to the AP College Board for evaluation. A score of 3 or greater will qualify for college credits and/or advanced placement.

**COURSE NOTE:** May require additional fees.

**CREDIT:** 1.0                      **TYPE:** Advanced Placement/Laude  
**PREREQUISITE:** Instructor Approval

---

**GRADE:** 10-12

## **3D CERAMICS**

**806A/B**

As a student in ceramics, you will create a portfolio of work demonstrating both the functional and sculptural ceramic traditions. You will learn how the physical characteristics of clay through hand construction techniques, the potter's wheel and the press mold can contribute to the content of the work. You will engage in hands-on studio experiences exploring clay forming strategies, surface treatment techniques, stamping, relief carving, glazing and slip glazing. You are encouraged to continue your exploration in 3D Ceramics Advanced.

**COURSE NOTE:** May require additional fees.

**CREDIT:** 1.0

**TYPE:** Regular

**GRADE:** 9-12

---

### **3D CERAMICS ADVANCED**

**807A/B**

As a student in 3D Ceramics Advanced, you will create a portfolio of work demonstrating a developed aesthetic judgment and refined personal vision. You will continue to enhance your skills of hand construction, pottery wheel and slab construction through a range of personally preferred subject matter. Your efforts will concentrate on visual experimentation, conceptual sophistication and imaginative solutions to 3D design problems. You are encouraged to continue your exploration in 3D AP ART & DESIGN

**COURSE NOTE:** May require additional fees.

**CREDIT:** 1.0

**TYPE:** Laude

**GRADE:** 10-12

**PREREQUISITE:** Ceramics or Instructor Approval

---

### **3D SCULPTURE**

**833A/B**

As a student in 3D Sculpture, you will create a portfolio of work demonstrating a range of creative solutions to three-dimensional spatial issues. You will actively experiment with several media and differing strategies of constructing forms in space with respect to historical and cultural influences. You will carve, assemble, model, and fabricate using clay, cardboard, papier mache, wire, wood and found objects. You are encouraged to continue your exploration in 3D SCULPTURE ADVANCE.

**COURSE NOTE:** Additional fees required.

**CREDIT:** 1.0

**TYPE:** Regular

**GRADE:** 9-12

---

### **3D SCULPTURE ADVANCED**

**834A/B**

As a student in 3D Sculpture Advance, you will create a portfolio of work demonstrating a developed aesthetic judgement and refined personal vision. You will continue fabricating three-dimensional forms through a range of preferred subject matter and media. Your efforts are concentrated on visual experimentation, conceptual sophistication, and imaginative solutions to three-dimensional design issues. You are encouraged to continue your exploration in 3D AP ART & DESIGN.

**COURSE NOTE:** Additional fees required.

**CREDIT:** 1.0

**TYPE:** Laude

**GRADE:** 10-12

---

### **3D AP ART AND DESIGN**

**825A/B**

As a student in AP Art and Design, you will create a self-directed portfolio of college-level work demonstrating visual evidence of 3D skills with visual synthesis among materials, processes and ideas. The 3D AP portfolio emphasizes fabricating expressive, three-dimensional forms out of material substances that have mass and occupy actual space. Your portfolio can be submitted to the AP College Board for evaluation. A score of 3 or greater will qualify for college credits and/or advanced placement.

**COURSE NOTE:** May require additional fees.

**CREDIT:** 1.0

**TYPE:** Advanced Placement/Laude

**GRADE:** 10-12

**PREREQUISITE:** Instructor Approval

---

## **AP ART HISTORY**

**815A/B**

AP Art History offers students an exciting opportunity to learn about art, artists, and artworks. Students will view and analyze architecture, sculpture, drawing, painting, and other art forms from the beginning of civilization through the post-modern era. Students will examine major areas of artistic expression from a variety of cultures and time periods. This class provides students with the tools for seeing and discussing art works from a critical and expressive standpoint. Students will develop a deep appreciation and sensitivity to various styles, cultures, and time periods. This course is designed to prepare students to take the AP College Board Art History exam. This course will be offered every other year. AP Art History will be offered again for the 2021-2022 school year.

**COURSE NOTE:** May require additional fees.

**CREDIT:** 1.0

**TYPE:** Advanced Placement/Laude

**GRADE:** 10-12

## **Music**

### **MARCHING BAND**

**163305**

Marching Band is an organization combined from Symphonic Band and Concert Band. Marching Band is required of all students in the band program. The Marching Band will begin rehearsals in mid-August in order to prepare for football halftime performances. The Marching Band will also perform in several parades during the year along with participation in various competitions.

**CREDIT:** 0

**TYPE:** Regular

**GRADE:** 9-12

---

### **CONCERT BAND**

**852A/B**

Concert Band is a performance oriented musical organization designed to continue the advancement of skills required to perform at an intermediate level. Students who already read music and can play an instrument, but desire to learn an ADDITIONAL instrument, are encouraged to enroll in Concert Band (with prior consent of the director). All rehearsals in and out of the school day are required and graded. Performances include the Christmas Concert, District Concert Festival, Spaghetti Dinner fundraiser and Spring Concert. Students will perform in the Homecoming Parade and Halftime Show and Memorial Day Parade/Ceremony. Some pep band will also be required at select home athletic events. Commitment to this group is a basic expectation of this course.

**CREDIT:** 1.0

**TYPE:** Regular

**GRADE:** 9-12

**PREREQUISITE:** Previous band experience preferred but not required.



---

**SYMPHONIC BAND****851A/B**

Symphonic Band is an advanced performance oriented musical organization which emphasizes the study of music in various styles and periods through performance. Symphonic Band is a performing organization which participates in concerts, contests, sectionals, small groups and private lessons. All rehearsals and performances in and out of the school day are required and graded. Performances include the Veteran's Day Assembly, Christmas Concert, District Concert Festival, Spaghetti Dinner fundraiser and Spring Concert. Students will perform in the Homecoming Parade and Halftime Show and Memorial Day Parade/Ceremony. Some pep bands will also be required at select home athletic events. Commitment to this group is a basic expectation of this course.

**COURSE NOTE:** Freshmen must audition for entrance into SYMPHONIC BAND.

**CREDIT:** 1.0

**TYPE:** Regular

**GRADE:** 9-12

**PREREQUISITE:** Advanced Skills, Audition and Approval of Instructor (Freshmen must audition for entrance into SYMPHONIC BAND).

---

**JAZZ CENTRAL****855A/B**

Jazz Central is a group of advanced band students studying and performing jazz in a variety of styles including swing, bebop, Latin, and jazz/rock fusion. The instrumentation of the band consists of: 5 Saxophones (2 Altos, 2 Tenors, and Baritone), 4 Trumpets, 4 Trombones, Piano, Bass, Guitar, and Drum Set. Every effort is made to maintain this instrumentation, although exceptions can be made. This group performs concerts and community programs throughout the school year. In addition, they also participate in several contests, festivals and competitions. All rehearsals and performances in and out of the school day are required and graded. Along with performing many styles of music, Jazz Central students study music theory and improvisation techniques. Commitment to this group is a basic expectation of this course.

**CREDIT:** 1.0

**TYPE:** Laude

**GRADE:** 9-12

**PREREQUISITE:** Advanced skills, Audition and Approval of Instructor is required.

---

**HONORS WIND ENSEMBLE****868A/B**

Wind Ensemble is an advanced performance oriented musical organization which emphasizes the study of music in various styles and periods through performance. Wind Ensemble is a course for mature, advanced instrumentalists. Students in this course will study various elements of music through performance, including theory, history, style and form. Participation in concerts, contest sectionals, small group and private lessons is required. Students enrolled in this course are expected to be self-motivated and have a high expectation of excellence in performance. Wind Ensemble is an advanced performance oriented musical organization which emphasizes the study of music in various styles and periods through performance. All rehearsals and performances in and out of the school day are required and graded. Performances include the Christmas Concert, District Concert Festival, Spaghetti Dinner fundraiser and Spring Concert. Students will perform in the CHS Homecoming Parade and Halftime Show and Memorial Day Parade/Ceremony. Some pep band will also be required at select home athletic events. Commitment to this group is a basic expectation of this course.

**CREDIT:** 1.0

**TYPE:** Honors/Laude

**GRADE:** 11-12

**PREREQUISITE:** Advanced skills, Audition and Approval of Instructor (Student must be a previous member of Concert Band, Symphonic Band or Jazz Central).

---

**CHORALIERS****863A/B**

This primary soprano/alto/tenor/bass ensemble of Choraliers studies basic vocal production, sight reading, notation, and some basic piano playing. The challenge of these skills increases with each year of choir experience. The opportunity to participate in Local, District and State Solo Ensemble Contests, large group concerts, the All-School Musical, the All-School Variety Show, and other miscellaneous events are intended for students to enjoy a well-rounded vocal/choral experience. Students are required to perform at three concerts, a choir festival, and a district choir contest.

**CREDIT:** 1.0**TYPE:** Regular**GRADE:** 9-12**PREREQUISITE:** Choral Experience Helpful.

---

**GIRLS' ENSEMBLE****864A/B**

The Girls' Ensemble is for girls who are sopranos or altos, in combinations of SSA or SSAA. Basic vocal production, sight reading, notation, a variety of vocal styles, and some basic piano playing comprise the content of this course. The challenge of these skills increases with each year of choir experience. The opportunity to participate in the Local, District and State Solo Musical and Variety Shows and other miscellaneous events are intended for Students to enjoy a well-rounded vocal/choral experience. Students are required to perform at three concerts, a choir festival and a district choir contest.

**CREDIT:** 1.0**TYPE:** Regular**GRADE:** 9-12**PREREQUISITE:** Choral Experience Helpful.

---

**CONCERT CHOIR****862A/B**

The Concert Choir is a major performing organization. Advanced techniques of vocal production, sight reading, notation, style, form, and some basic piano playing are reinforced, as well as developing a balanced soprano/alto/tenor/bass ensemble. The level of these skills increases with each year of choir experience. Several large group concerts throughout the year, a vocal education trip and/or performance, the opportunity to participate in the Local, District and State Solo Ensemble Contest, a student recital, the All-School Musical, the All-School Variety Show and other miscellaneous events are intended for students to enjoy a well-rounded vocal/choral experience. (These singers audition the previous year and should demonstrate above average musical and performance skills. Students of this organization are strongly encouraged to have taken, or be taking, one of the other vocal/choral classes.)

**CREDIT:** 1.0**TYPE:** Laude**GRADE:** 9-12**PREREQUISITE:** Choral Experience and Audition.

---

**CENTRAL SWING, INC.****861A/B**

Central Swing, Inc. is a choral group which performs frequently throughout the school year. Attendance is required at all shows. Students are additionally required to take lessons and to take a vocal solo or ensemble to the solo and ensemble contest offered in the spring. The course objectives are to team, understand and develop the highest popular, swing and madrigal forms of music and develop the ability to use various forms of dance choreography in conjunction with the music. The course is open to soprano, alto, tenor and bass baritone voices. (These singers audition the previous year and should demonstrate above average musical and performance skills. Students of this organization are strongly encouraged to have taken, or be taking, one of the other vocal/choral classes.)

**CREDIT:** 1.0  
**PREREQUISITE:** Audition.

**TYPE:** Laude

**GRADE:** 9-12

---

**VOCAL JAZZ**

**869A/B**

Vocal Jazz is a course for advanced choir including studying and performing jazz in a variety of styles including swing, bebop, Latin, and jazz/rock fusion. The vocalization consists of: Soprano I, II, Alto I, II, Tenor, and Bass. Students will sing a cappella as well as have a full accompaniment. Students will perform concert and community programs throughout the school year. In addition, students will participate in several contests, festivals and competitions. All rehearsals and performances in and out of the school day are required and graded. Vocal Jazz students study music theory and improvisation techniques. Commitment is a basic expectation of this course.

**CREDIT:** 1.0

**TYPE:** Laude

**GRADE:** 10-12

**PREREQUISITE:** A minimum of one-year choral work is required (either Choraliers, Concert Choir, or CSI)

---

**MUSIC APPRECIATION**

**853**

Music Appreciation broadens the student's interest in music through listening to a wide variety of music, including both serious and popular music of various periods. Studies include: Western European music from the middle ages through the classical period, the history of jazz, the history of musical theater, electronic music, the history of pop music and the history of rock and roll. The mission of Music Appreciation is to bridge the gap between hearing music and listening to music.

**CREDIT:** 0.5

**TYPE:** Regular

**GRADE:** 9-12

---

**AP MUSIC THEORY**

**867A/B**

Students will study not only the what and how of music structure, but will also engage in the richer, more imaginative why and what if. Skills ranging from sight-singing, keyboard and aural recognition, to visual analysis and composition comprise the curriculum. The student will develop skills in basic notation and fundamental musicianship, develop basic music vocabulary that will enable the student to communicate effectively as a musician, learn several basic competencies, and develop skills in the structural elements of music. This course will be offered every other year. AP Music Theory will be offered again in the 2021-2022 school year

**CREDIT:** 1.0

**TYPE:** Advanced Placement/Laude

**GRADE:** 10-12

## Information Technology

### WEB DESIGN & SOCIAL MEDIA

561

Web Design & Social Media is designed for those who want to learn the design, creation, and maintenance of websites, search engine optimization, social media and blogging. The course is strictly set up and run like a real business so students get hands-on experience in all aspects of the business entity. Students become the webmasters in helping to create and maintain Central High School's website, app and social media posts. The course progresses from maintaining the CHS website, learning web design tools, hands-on approaches to uploading their websites to the World Wide Web using FTP, to culminating projects in which students design and develop websites for local community organizations and affiliate websites. Search Engine Optimization is a focus throughout this course in getting students the knowledge on how to market their websites once they are up on the web. A variety of social media lessons and platforms are introduced to ensure students understand how social media can be used as a productive marketing tool. Students will have the opportunity to put web design and social media together in creating a website and a social media campaign for a local business. Students in the course will benefit and understand why businesses today are using sophisticated web pages and social media accounts to market their company. Students will also learn the types of careers that are available to become a successful Web Designer/Social Media Specialist and learn the proper business etiquette techniques to develop a marketable webpage.

**CREDIT:** 0.5

**TYPE:** Regular

**GRADE:** 9-12

---

### IT ESSENTIALS

763A/B

Do computers intrigue you? Do you want to learn how to build, configure, upgrade, troubleshoot and repair computers? Are you interested in the IT field? Want to earn college credit? This college course, IT Essentials, focuses on the relationship between hardware and systems software. The course topics include PCs, peripherals, networking, security, troubleshooting, and communication skills. We will be using CSCO training modules as well as actual computers to learn on and practice your skills. IT Essentials is an introductory course that presents a foundation toward the pursuit of an IT degree and CompTIA A+ Certification. This is an actual college course and will earn you three college credits that can be applied at Gateway, or any other state school that accepts transfer credits.

**COURSE NOTE:** Requires additional fees for PC repair equipment (that students keep), USB drive required.

**CREDIT:** 1.0

**TYPE:** Gateway Transcribed/Laude

**GRADE:** 9-12

---

### INTRODUCTION TO PROGRAMMING & DATABASE (Fall Semester)

22642

**Host School:** Gateway Technical College (4 College Credit)

This class will introduce students to the structures, logic, and controls of programming techniques and database applications. Students will be able to develop a program that will utilize a database.

\*A modern Windows laptop running Windows 10 and with 8 gb Ram is needed to successfully engage in this course. Please see your counselor if this requirement would prohibit you from taking the course.

**GRADE: 11-12**

**MICROCOMPUTER PROGRAMMING ADVANCED (Spring Semester) 22643**

This class will examine trends in microcomputer program development including: use of objects, database access, receiving user input, displaying output, error handling, application controls, and online assistance.

\*A modern Windows laptop running Windows 10 and with 8 gb Ram is needed to successfully engage in this course. Please see your counselor if this requirement would prohibit you from taking the course.

**GRADE: 11-12**

**MOBILE DEVICE APPLICATION PROGRAMMING (Fall Semester) 22644**

This course teaches students to develop applications for mobile platforms. Students will utilize a Software Development Kit (SDK) to develop working applications.

\*A modern Windows laptop running Windows 10 and with 8 gb Ram is needed to successfully engage in this course. Please see your counselor if this requirement would prohibit you from taking the course.

**GRADE: 11-12**

61

---

**GAME PROGRAMMING I (Spring Semester)****22646****Host School: Gateway Technical College (3 College Credits)**

This class examines modern technologies for computer game development. Students will learn how to install development components. In addition, students will learn how to draw game elements.

\*This is a Distance Learning course. CHS and Gateway credit will be awarded upon successful completion of the course. The student's grade for this course will be reflected on his/her transcript but will not factor into his/her high school GPA.

\*A modern Windows laptop running Windows 10 and with 8 gb Ram is needed to successfully engage in this course. Please see your counselor if this requirement would prohibit you from taking the course.

**CREDIT:** 0.75**TYPE:** College/Distance Learning/Laude**GRADE:** 11-12**PREREQUISITE:** Introduction to Programming & Database

---

**WEB PROGRAMMING I****22647****Host School: Gateway Technical College (3 College Credits)**

This class teaches students essential Web page development skills. Students will build an understanding of how to manage the Application Life Cycle, build the User Interface by Using HTML5, and format the User Interface by Using CSS code by using JavaScript. Other topics include validating HTML and CSS code, recognizing the importance of marketing, and implementing fundamental design concepts.

\*This is a Distance Learning course. CHS and Gateway credit will be awarded upon successful completion of the course. The student's grade for this course will be reflected on his/her transcript but will not factor into his/her high school GPA.

\*A modern Windows laptop running Windows 10 and with 8 gb Ram is needed to successfully engage in this course. Please see your counselor if this requirement would prohibit you from taking the course.

**CREDIT:** 0.75**TYPE:** College/Distance Learning/Laude**GRADE:** 11-12

---

**JAVA PROGRAMMING I****22650****Host School: Gateway Technical College (3 College Credits)**

This course introduces students to the fundamentals of object-oriented programming using the Java programming language. Students will learn the core aspects of Java including how to write and debug Java code. Labs and hands-on projects are a required element to this class and provide the student with experience working with the Java language.

\*This is a Distance Learning course. CHS and Gateway credit will be awarded upon successful completion of the course. The student's grade for this course will be reflected on his/her transcript but will not factor into his/her high school GPA.

\*A modern Windows laptop running Windows 10 and with 8 gb Ram is needed to successfully engage in this course. Please see your counselor if this requirement would prohibit you from taking the course.

**CREDIT:** 0.75

**TYPE:** College/Distance Learning/Laude

**GRADE:** 11-12

---

**GOOGLE IT SUPPORT PROFESSIONAL 1 (Fall Semester)**

**22651**

**Host School: Gateway Technical College (2 College Credits)**

This course is the first of two required courses for the Gateway Technical College IT Professional Certificate and aligns with courses 1 and 2 of the Google IT Support Professional Certificate. Students prepare for an entry-level Information Technology (IT) support role through an introduction to the world of IT and its history. Students explore hardware and software, operating systems, and the internet to acquire skills related to computer network technologies, protocols, applications, troubleshooting, cloud computing and storage. Upon completion, students relate the fundamentals of IT support to workplace success and are ready to participate in the second Gateway Technical College Google IT Professional Certificate course.

\*This is a Distance Learning course. CHS and Gateway credit will be awarded upon successful completion of the course. The student's grade for this course will be reflected on his/her transcript but will not factor into his/her high school GPA.

\*A modern Windows laptop running Windows 10 and with 8 gb Ram is needed to successfully engage in this course. Please see your counselor if this requirement would prohibit you from taking the course.

**CREDIT:** 0.5

**TYPE:** College/Distance Learning/Laude

**GRADE:** 11-12

---

**GOOGLE IT SUPPORT PROFESSIONAL 2 (Spring Semester)**

**22652**

**Host School: Gateway Technical College (3 College Credits)**

This is the second of two required courses for the Gateway Technical College Google IT Professional Certificate and aligns with courses 3, 4, and 5 of the Google IT Support Professional Certificate. Students build on the skills acquired in Course 1 to continue their preparation for an entry-level information Technology (IT) support role. Students analyze operating system components and practice hardware configuration and software and user management tasks. In addition, learners examine systems administration and best practices for selecting hardware, investigate IT security, perform risk evaluation and investigate securing networks. Upon completion of the course, students perform fundamental IT support tasks in support of workplace success and are prepared to seek the Google IT Support Professional Certificate.

\*This is a Distance Learning course. CHS and Gateway credit will be awarded upon successful completion of the course. The student's grade for this course will be reflected on his/her transcript but will not factor into his/her high school GPA.

\*A modern Windows laptop running Windows 10 and with 8 gb Ram is needed to successfully engage in this course. Please see your counselor if this requirement would prohibit you from taking the course.

**CREDIT:** 0.75

**TYPE:** College/Distance Learning/Laude

**GRADE:** 11-12

**PREREQUISITE:** Google IT Support Professional 1

---

**AP COMPUTER SCIENCE PRINCIPLES****454A/B**

This course will introduce students to the creative aspects of programming, web page design, the internet, and the many applications of computers. AP Computer Science Principles does not require any previous programming experience; learn to program in this class! Students will learn at their own pace using an online curriculum and teacher support; along with opportunities to explore programming languages in order to make games and other projects. As an AP course, the submission of two artifacts and an AP exam are part of the requirement to potentially earn college credits. This course will count as an elective credit, not a math credit.

**CREDIT:** 1.0**TYPE:** Advanced Placement/Laude**GRADE:** 10-12**PREREQUISITE:** Algebra I

---

**Mathematics**

---

**INTRO TO ALGEBRA****412A/B**

Intro to Algebra is a class for students in need of additional instruction and skill building in the area of pre-algebra. Students will learn many of the fundamental concepts and procedures necessary to be successful in algebra and other high school math courses. Students will strengthen their mathematical reasoning skills as they work in collaborative groups to complete guided investigations, solve problems, and practice computational skills. This course does not count toward the three math credits required for graduation.

**CREDIT:** 1.0**TYPE:** Regular**GRADE:** 9**PREREQUISITE:** Teacher/Counselor Referral.

---

**ALGEBRA I****420A/B**

Algebra I aims to deepen and extend student understanding built in previous courses by focusing on developing fluency with solving linear equations and inequalities and systems; extending these skills to solving quadratic and exponential functions; exploring functions, including sequences, graphically, numerically, symbolically and verbally. On a daily basis, students in Algebra use problem solving strategies, questioning, investigating, analyzing critically, gathering and constructing evidence, and communicating rigorous arguments justifying their thinking. Students learn in collaboration with others, sharing information, expertise, and ideas. The course is well balanced between procedural fluency (algorithms and basic skills), deep conceptual understanding, strategic competence (problem solving), and adaptive reasoning (extension and transference). The lessons in the course meet all of the content standards of Appendix A of the Common Core State Standards for Mathematics.

**CREDIT:**1.0**TYPE:** Regular**GRADE:**9-12.



---

**GEOMETRY****430A/B**

Geometry aims to formalize and extend the geometry that students have learned in previous courses. It does this by focusing on establishing triangle congruence criteria, building a formal understanding of similarity based on dilations and proportional reasoning, developing the concepts of formal proof, exploring the properties of two- and three-dimensional objects, working within the rectangular coordinate system to verify geometric relationships, proving basic theorems about circles, and exploring the probability of independent and dependent events. On a daily basis, students in Geometry use problem solving strategies, questioning, investigating, analyzing critically, gathering and constructing evidence, and communicating rigorous arguments justifying their thinking. Students learn in collaboration with others, sharing information, expertise, and ideas. The course is well balanced between procedural fluency (algorithms and basic skills), deep conceptual understanding, strategic competence (problem solving), and adaptive reasoning (extension and transference). The lessons in the course meet all of the content standards, including the advanced "plus" standards, of Appendix A of the Common Core State Standards for Mathematics.

**CREDIT:** 1.0**TYPE:** Regular**GRADE:** 9-12**PREREQUISITE:** Algebra I

---

**ALGEBRA II****440A/B**

Algebra II aims to apply and extend what students have learned in previous courses by focusing on finding connections between multiple representations of functions, transformations of different function families, finding zeros of polynomials and connecting them to graphs and equations of polynomials, modeling periodic phenomena with trigonometry. On a daily basis, students in Algebra 2 use problem solving strategies, questioning, investigating, analyzing critically, gathering and constructing evidence, and communicating rigorous arguments justifying their thinking. Students learn in collaboration with others, sharing information, expertise, and ideas. The course is well balanced between procedural fluency (algorithms and basic skills), deep conceptual understanding, strategic competence (problem solving), and adaptive reasoning (extension and transference). The course imbeds the CCSS Standards for Mathematical Practice as an integral part of the lessons in the course. The lessons in the course meet all of the content standards, including the advanced "plus" standards, of Appendix A of the Common Core State Standards for Mathematics.

**CREDIT:** 1.0**TYPE:** Regular**GRADE:** 9-12**PREREQUISITE:** Geometry or concurrently taking Geometry with teacher recommendation.

---

**PROBABILITY & STATISTICS****453**

Probability & Statistics is a semester course that covers counting techniques, the probability of independent and related events, and introduces the students to the basic statistical interpretation. Students will compare theoretical predictions and experimental results, and will organize data in graphical displays.

**CREDIT:** 0.5**TYPE:** Regular**GRADE:** 10-12**PREREQUISITE:** Algebra II

---

**PRECALCULUS****455A/B**

Precalculus is a course where students will have the opportunity not only to extend their mathematical knowledge, but also and more importantly, to integrate and synthesize what they have learned in Algebra I, Geometry, and Algebra II in a way that will help them prepare for a post-secondary education. This course will focus on functions and their graphs, which will provide students with a solid foundation for the future. Students will utilize analytical and problem-solving skills to solve problems in mathematical and real-world settings using technology as appropriate. A T-I graphing calculator is required for this course.

**CREDIT:** 1.0**TYPE:** Regular**GRADE:** 10-12**PREREQUISITE:** Algebra II

---

**PRECALCULUS HONORS****457A/B**

Precalculus Honors is a course where students will be provided with a more in-depth study of the Pre-Calculus curriculum. This course will extend their mathematical knowledge and synthesize what they have learned in Algebra and Geometry. The course will focus on functions and their graphs, trigonometry, and foundational concepts for Calculus. Students will be asked to solve problems graphically, numerically, and analytically. This course will be best for students who are planning on taking AP Calculus and those who wish to build a strong foundation for further endeavors in Mathematical and Scientific fields. A T-I graphing calculator is required for this class.

**CREDIT:** 1.0**TYPE:** Honors/Laude**GRADE:** 10-12**PREREQUISITE:** Algebra II with a B or better

---

**TRIGONOMETRY****456**

Trigonometry is a semester course that covers the study of trigonometric functions, equations, graphs and identities. Students will explore inverse functions and logarithms. Students will solve right and oblique triangles.

**CREDIT:** 0.5**TYPE:** Regular**GRADE:** 10-12**PREREQUISITE:** Algebra II

---

**AP CALCULUS AB****446A/B**

AP Calculus AB begins with the study of limits and their role in this course. Differentiation and integration form the main part of Calculus. Functions, graphing, and analytic geometry are significant parts of this course from beginning to end. A large volume of problems will be solved using a wide variety of techniques. Applications are found in the sciences, business, economics, engineering, and everyday life.

**CREDIT:** 1.0**TYPE:** Advanced Placement/Laude**GRADE:** 12**PREREQUISITE:** Pre-Calculus

---

**AP STATISTICS****447A/B**

The purpose of the AP Statistics course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

Exploring Data: Describing patterns and departures from patterns

Sampling and Experimentation: Planning and conducting a study

Anticipating Patterns: Exploring random phenomena using probability and simulation

Statistical inference: Estimating population parameters and testing hypotheses

The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based, college course. An introductory statistics course, similar to the AP Statistics course, is typically required for majors such as social sciences, health sciences, and business. Science, engineering, and mathematics majors usually take an upper-level calculus-based course in statistics, for which the AP Statistics course is effective preparation.

**CREDIT:** 1.0**TYPE:** Advanced Placement/Laude**GRADE:** 10-12**PREREQUISITE:** Algebra II with a B or better.

---

**AP CALCULUS BC****449A/B**

AP Calculus BC covers material that is taught in AP Calculus AB: Functions, graphs and limits, derivatives, and integrals. AP Calculus BC will proceed at a faster pace than AP Calculus AB to allow further study of polynomial approximations and series.

**CREDIT:** 1.0**TYPE:** Advanced Placement/Laude**GRADE:** 11-12**PREREQUISITE:** Pre-Calculus with a "B" or better

---

**AP COMPUTER SCIENCE PRINCIPLES****454A/B**

This course will introduce students to the creative aspects of programming, web page design, the internet, and the many applications of computers. AP Computer Science Principles does not require any previous programming experience; learn to program in this class! Students will learn at their own pace using an online curriculum and teacher support; along with opportunities to explore programming languages in order to make games and other projects. As an AP course, the submission of an artifact and an AP exam are part of the requirements to potentially earn college credits. This course will count as an elective credit, not a math credit.

**CREDIT:** 1.0**TYPE:** Advanced Placement/Laude**GRADE:** 10-12**PREREQUISITE:** Algebra I

---

**APPLIED MATHEMATICS I****471**

In Applied Mathematics I students will review and strengthen their basic computational skills with all types of numbers. Algebra and trigonometry will be explored as they are related to the technical trades.

Practical applications and real-life applications of math in the trade industries will be covered. Students will apply useful equations and formulas in real-life problem-solving situations.

**CREDIT:** 0.5

**TYPE:** Regular

**GRADE:** 11-12

**PREREQUISITE:** Geometry **COREQUISITES:** If you take this course you must also take 472-APPLIED MATHEMATICS II

---

## **APPLIED MATHEMATICS II**

**472**

In Applied Mathematics II, students will continue their study of mathematics related to technical fields. They will explore geometric principles along with calculations of linear, area and volume measurement. Students will learn to interpret and sketch graphs, utilize the metric system, solve technical conversions problems, and calculate basic statistics as they engage in real life problem solving.

**CREDIT:** 0.5

**TYPE:** Regular

**GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 471 - APPLIED MATHEMATICS I

## **Physical Education**

### **HEALTH I**

**903**

This course is designed to help students realize the importance of health, wellness, and safe living. Textbooks, current health related articles, visual materials, and self-guided lessons, flipped instruction all enhance students' learning experience, and technology is incorporated into the curriculum when appropriate. Students are expected to acquire knowledge needed to live a life abundant with health, wellness and safety, and able to make health-related decisions in a mature and educated manner throughout their lives. Topics of study include the definition of physical, mental, emotional, and social health, nutrition, communicable and chronic disease, use of drugs, alcohol and tobacco.

\*Offered in summer school.

**CREDIT:** 0.5

**TYPE:** Regular

**GRADE:** 9-10

---

### **ADVANCED HEALTH: CPR, FIRST AID & SELF DEFENSE**

**904**

This is a special one semester course in which the curriculum and methodology both challenge and enhance student awareness, prevention and strategies in the area of health promotion. Program emphasis is placed on increasing the students' use of research, statistical analysis, and evaluation of the most current health issues. Topics include; First Aid & CPR, AED, Wilderness safety, dating & relationships, internet safety and cyberbullying, influence of media on culture, sports injury (career pathways options for observation hours); lifelong approaches to personal health/transitions to college.

(Certification in First Aid & CPR)

**COURSE NOTE:** There will be a charge to all students for the CPR/AED and First Aid booklets, and CPR face shield.

**CREDIT:** 0.5

**TYPE:** Laude

**GRADE:** 11-12

---

**PHYSICAL EDUCATION CREDIT OPTION****900**

Phy. Ed. Waiver option is available to juniors and seniors. See your counselor for complete information about this credit opportunity.

**CREDIT:** 0**TYPE:** Regular**GRADE:** 11-12

---

**PHYSICAL EDUCATION I – BOYS****951**

Physical Education I employs a structured format designed to build students' foundations in the areas of team building, fitness, and individual and team activities. Activities include team building, team games, and physical fitness principles. Students are expected to show evidence of the knowledge acquired during each unit by taking unit tests, quizzes, and a written final exam. Students must wear their physical education uniform. Activities may include: physical fitness, team building, speedball, weight training, basketball, floor hockey, flag football, pickleball, and softball.

School-issued sweatpants are available at an additional cost and are the only acceptable alternative to wearing the required Physical Education uniform.

\*Offered in summer school.

**COURSE NOTE:** Physical Education uniform (short, shirt) and lock required

**CREDIT:** 0.5**TYPE:** Regular**GRADE:** 9

---

**PHYSICAL EDUCATION I – GIRLS****952**

Physical Education I employ a structured format designed to build students' foundations in the areas of team building, fitness, and individual and team activities. Activities include team building, team games, and physical fitness principles. Students are expected to show evidence of the knowledge acquired during each unit by taking unit tests, quizzes, and a written final exam. Students must wear their physical education uniform. Activities may include: physical fitness, team building, speedball, weight training, basketball, floor hockey, flag football, pickleball, and softball.

School-issued sweatpants are available at an additional cost and are the only acceptable alternative to wearing the required Physical Education uniform.

\*Offered in summer school

**COURSE NOTE:** Physical Education uniform (short, shirts), lock, BFS set/Rep Book.

**CREDIT:** 0.5**TYPE:** Regular**GRADE:** 9

---

**PHYSICAL EDUCATION II – BOYS****953**

Physical Education II will expand the student's skills and knowledge in the areas of individual and/or team activities. Students may have written tests for each activity and a fitness test during each activity unit. Basic motor skills of individual and team sports are emphasized, as are advanced skills when appropriate. Advanced knowledge of some individual and team sports, physical fitness, wellness, and heart rate monitors is stressed. Students must wear their physical education uniform to class daily. School-issued sweatpants are available at an additional cost and are the only acceptable alternative to wearing the required Physical Education uniform.

\*Offered in summer school.

**COURSE NOTE:** Physical Education uniform (short, shirts) and lock required.

**CREDIT:** 0.5

**TYPE:** Regular

**GRADE:** 10

**PREREQUISITE:** Phy Ed I or Summer School WT & FITNESS.

---

**PHYSICAL EDUCATION II – GIRLS****954**

Physical Education II will expand the student's skills and knowledge in the areas of individual and/or team activities. Students may train with heart rate monitors, have written tests for each activity, and a fitness test during each activity unit. Basic motor skills of individual and team sports are emphasized, as are advanced skills when appropriate. Advanced knowledge of some individual and team sports, physical fitness, wellness, and heart rate monitors is stressed. Students must wear their physical education uniform to class daily. School-issued sweatpants are available at an additional cost and are the only acceptable alternative to wearing the required Physical Education uniform.

\*Offered in summer school.

**COURSE NOTE:** Physical Education uniform (short, shirts) and lock required.

**CREDIT:** 0.5

**TYPE:** Regular

**GRADE:** 10

**PREREQUISITE:** Phy Ed I or Summer School WT & FITNESS.

---

**PHYSICAL EDUCATION III - TEAM SPORTS****955**

Students will apply knowledge to a variety of team sports and activities including: softball, lacrosse, volleyball, soccer, floor hockey, flag football, basketball, team handball, tchoukball, low ropes and team building. Students will demonstrate their abilities as an active participant in the following situations by the conclusion of the course: Coach/Captain, Referee/Official, Player. Grading will be based on teacher rubrics, and by assessing the areas of skill, leadership and knowledge.

**COURSE NOTE:** Physical Education uniform (short, shirts), Lock.

**CREDIT:** 0.5

**TYPE:** Regular

**GRADE:** 10-12

**PREREQUISITE:** Phy Ed I or Summer School Weight & Fitness

---

**ADVENTURE EDUCATION****945**

Adventure Education curriculum focuses on outdoor education while challenging student's physical abilities while integrating scientific/environmental skills needed to survive in the wilderness. This course will provide students with adventure experiences that will help them in many future endeavors as the premise is on team building and cooperative problem solving, self-confidence and much more. Students will be assessed on their participation in all activities and their ability to apply learned techniques in a variety of areas. The curricular framework will include: low ropes course, high ropes challenge courses, camping, shelter building, fire science, orienteering outdoor cooking, wilderness first aid, and snowshoeing. (Camping, Hiking, & High Ropes)

**\*This course will be offered Fall Semester only.**

**COURSE NOTE:** Class requires additional course fees (appr. \$28).

**CREDIT:** 0.5

**TYPE:** Regular

**GRADE:** 11-12

**PREREQUISITE:** Phy Ed I or Summer School Weights & Fitness and one of the following: Phy Ed II, Team Sports, Weights & Fitness I or Weights & Fitness II.

---

**WEIGHTS AND FITNESS I****929**

Weights and Fitness I will be based in the weight training facility with a combination of lecture, various warm ups, stretching, and implementation of the Central weightlifting program that is consistent with our athletic programs. The classroom instruction will include anatomy identification, muscular function, kinesiology, nutrition, and some physiology of exercise. The class will investigate and experience a wide variety of training methods in weight training and fitness. The class is offered for one semester; however, if an opening exists, a student may enroll in the class again with no credit being given. Students must wear their physical education uniform to class daily. School-issued sweatpants are available at an additional cost and are the only acceptable alternative to wearing the required Physical Education uniform.

\*Offered in Summer School to 9th and 10th grades. No prerequisites required for the summer school section.

**COURSE NOTE:** The use of the PLT4M app will be used during this class in different capacities.

**CREDIT:** 0.5

**TYPE:** Regular

**GRADE:** 10-12

**PREREQUISITE:** Physical Education I - Boys or Physical Education I - Girls

---

**WEIGHTS AND FITNESS II****931**

Weights and Fitness II is based in the weight training facility with a combination of lectures, various warm-ups, stretching, and further implementation of the Central weightlifting program. The classroom will include review of the anatomy and the function of the muscles, nutrition, sleep, kinesiology, and records keeping along with personal program development. Agility and speed training are important in every fitness plan and are included in the semester training. Students must wear their physical education uniform to class daily. School-issued sweatpants are available at an additional cost and are the only acceptable alternative to wearing the required Physical Education uniform.

**COURSE NOTE:** The use of the PLT4M app will be used during this class in different capacities.

**CREDIT:** 0.5

**TYPE:** Regular

**GRADE:** 10-12

**PREREQUISITE:** Phy Ed I, Weights & Fitness I or Summer School Weights & Fitness.

---

### **WEIGHTS AND FITNESS III**

**932**

Weights and Fitness III is for the student that desires a physical, psychological, and intellectual challenge. Students will delve into muscle development from a physiological standpoint and will cover the psychological development of the athlete and everyday person. Students will develop their own conditioning program to meet their needs as an athlete or as a student that wants to stay in shape. Students will learn the pitfalls of training and what it takes to overcome the low points. Students will develop the necessary tools to be physically fit for a lifetime. Every day will become more physically challenging as you develop a more in-depth understanding of training intensity and true benefit. Students must wear their physical education uniform to class daily. School-issued sweatpants are available at an additional cost and are the only acceptable alternative to wearing the required Physical Education uniform.

**COURSE NOTE:** The use of the PLT4M app will be used during this class in different capacities.

**CREDIT:** 0.5

**TYPE:** Laude

**GRADE:** 11-12

**PREREQUISITE:** Phy Ed I or Summer School Weights & Fitness and Weights & Fitness II.

---

### **WEIGHTS AND FITNESS IV**

**933**

Weights and Fitness IV is for the student that desires a physical, psychological, and intellectual challenge. Students will delve into muscle development from a physiological standpoint and will cover the psychological development of the athlete and everyday person. Students will develop their own conditioning program to meet their needs as an athlete or as a student that wants to stay in shape. Students will learn the pitfalls of training and what it takes to overcome the low points. Students will develop the necessary tools to be physically fit for a lifetime. Every day will become more physically challenging as you develop a more in-depth understanding of training intensity and true benefit. Students must wear their physical education uniform to class daily. School-issued sweatpants are available at an additional cost and are the only acceptable alternative to wearing the required PE uniform.

**COURSE NOTE:** The use of the PLT4M app will be used during this class in different capacities.

**CREDIT:** 0.5

**TYPE:** Laude

**GRADE:** 11-12

**PREREQUISITE:** Weights & Fitness III

---

### **FIT 4 LIFE**

**943**

Fit 4 Life is a class designed with YOU in mind. The class concentrates on all aspects of personal fitness, nutrition, Yoga, and current wellness topics. This class allows students to improve their level of personal fitness and develop responsibility for their lifestyle choices. Each week, the activities consist of muscular strength and endurance exercises, flexibility, and cardio workout. There is a strong emphasis on muscle identification and proper exercise technique. Physical fitness scores will be taken twice each semester, with students setting personal goals to improve. Nutritional goals will also be addressed. Grading consists of participation in daily activities, fitness scores, and written work. Students will be asked to develop and



implement a personal wellness plan. They will also have an opportunity to create and perform exercise routines with the class. (Crossfit, Yoga, Self Defense, P90X)

**\*This course will be offered Spring Semester only.**

**CREDIT:** 0.5

**TYPE:** Regular

**GRADE:** 11-12

**PREREQUISITE:** Phy Ed I or Summer School Weights & Fitness and one of the following: Phy Ed II, Team Sports, Weights & Fitness I or Weights & Fitness II.

## Science

### BIOLOGY

**321A/B**

Biology is the study of life. The biology class will follow the Next Generation Science Standards as it takes a lab and activities-based approach to studying life. There is an emphasis on modeling the flow of matter and energy in biological systems, describing structure/function relationships, and describing systems when they are stable or when they are changing. First semester topics include the nature of science, the molecules of life, basic cellular processes, and the structure and function of DNA. Second semester topics are genetics, evolution, and ecology.

**CREDIT:** 1.0

**TYPE:** Regular

**GRADE:** 9

---

### BIOLOGY HONORS

**325A/B**

Honors Biology is a student driven inquiry-based investigation into the processes of life. Students will be expected to gather evidence, create models, synthesize data, and argue conflicting viewpoints from their lab work and independent research. First semester topics include characteristics of life, feedback mechanisms and homeostasis, cellular systems, and heredity. Second semester topics include regulation of cell division, natural selection, population biology and flow of energy and matter in the biosphere. Placement in this course is based on 8th grade teacher recommendation.

**CREDIT:** 1.0

**TYPE:** Honors/Laude

**GRADE:** 9

**PREREQUISITE:** Teacher/Counselor Recommendation.

---

### CHEMISTRY

**331A/B**

Chemistry provides the student with a solid background in science for further study or work in the science and medical fields. Chemistry is the study of matter and the changes it undergoes. As research and development advances, chemists learn how to create new useful substances that are important to all of us in our everyday lives, such as plastics, paints and artificial flavors. This course utilizes labs and activities to further student understanding while emphasizing a conceptual approach to thermochemistry, chemical reactions, atomic structure, and equilibrium.

**CREDIT:** 1.0

**TYPE:** Regular

**GRADE:** 10-12

**PREREQUISITE:** Biology and Algebra I (Both "C" or better).

---

**FOUNDATIONS OF CHEMISTRY****338**

Foundations of Chemistry studies the nature of matter and the changes it undergoes. Essential topics covered include atomic theory, properties of matter, and chemical reactions. will develop an understanding of the concepts underlying the phenomena observed in the world around them through problem solving, laboratory work, and engineering projects. A major component of the course will include designing and formulating unique soap with other students. This course places less emphasis on the mathematics of chemistry while still covering key concepts.

**CREDIT:** 0.5**TYPE:** Regular**GRADE:** 10-12**PREREQUISITE:** Biology**COREQUISITES:** If you take this course, you must also take 339 - FOUNDATIONS OF PHYSICS

---

**FOUNDATIONS OF PHYSICS****339**

Foundations of Physics is the study of motion, forces and energy and their interactions in nature. Students will develop an understanding of these concepts through problem solving, laboratory work and engineering projects. This course is conceptual in nature. It is less mathematical than physics and emphasizes learning through hands-on experience.

**CREDIT:** 0.5**TYPE:** Regular**GRADE:** 10-12**PREREQUISITE:** Biology**COREQUISITES:** If you take this course, you must also take 338 - FOUNDATIONS OF CHEMISTRY

---

**PHYSICS****341A/B**

Physics is a college prep course for students preparing to attend postsecondary school. It will prepare students for careers in engineering, construction and trades, energy services, health care and other sciences. First Semester will cover the topics of motion, forces, momentum and projectiles. Second Semester will address the topics of work, energy, power, electricity and magnetism, waves and light. Students will develop an understanding of the concepts underlying the phenomena observed in the world around them through problem solving and laboratory work.

**CREDIT:** 1.0**TYPE:** Regular**GRADE:** 10-12**PREREQUISITE:** Successful completion of Algebra I and Geometry (Both "C" or better).

---

**PLTW PRINCIPLES OF BIOMEDICAL SCIENCE****371A/B**

Principles of Biomedical Science (PBS) is a full-year course in the PLTW Biomedical Science Program. This course serves to provide foundational knowledge and skills in fields such as biology, anatomy & physiology, genetics, microbiology, and epidemiology as well as engage students in how this content can be applied to real-world situations, cases, and problems. Through both individual and collaborative team activities, projects, and problems, students will tackle real-world challenges faced by biomedical professionals in the field. They will work with the same tools and equipment used in hospitals and labs as they engage in relevant hands-on work. Students will develop skill in technical documentation to represent and communicate experimental findings and solutions to problems. In addition, students will explore how connections to other disciplines such as computer science and engineering shape the future

of medicine and practice collaboration techniques that will help them connect with professionals across any field.

**CREDIT:** 1.0

**TYPE:** Laude

**GRADE:** 9-12

**PREREQUISITE:** None

---

### **PLTW HUMAN BODY SYSTEMS**

**372A/B**

Step inside the human body and explore the systems that help us move, protect us from disease or injury, and facilitate communication within the body and with the outside world. Solve a medical mystery. Analyze a medical case file and diagnose disease. Design experiments to explore structure and function of the human body. How do the systems of the body work together to keep us well? In Human Body Systems (HBS), students examine the interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real-world cases, and often play the role of biomedical professionals to solve medical mysteries.

**CREDIT:** 1.0

**TYPE:** Laude

**GRADE:** 10-12

**PREREQUISITE:** Biology or Honors Biology

---

### **PLTW PRINCIPLES OF ENGINEERING (POE)**

**772A/B**

### **PLTW CIVIL ENGINEERING & ARCHITECTURE (POE)**

**773A/B**

**SEE TECHNOLOGY DEPT FOR DESCRIPTION OF COURSE - PAGE 83 & 84**

---

### **ASTRONOMY & METEOROLOGY: FROM EARTH TO MARS**

**326**

Astronomy & Meteorology is a semester-long course. Astronomical topics covered in this class will address the Earth's place in our solar system, other celestial objects and their properties in our universe. Meteorological topics covered in this class will include characteristics influencing the weather system and climate, climate change, and the impact of weather on human society. A field trip is often planned to a planetarium or astronomy museum.

**CREDIT:** 0.5

**TYPE:** Regular

**GRADE:** 10-12

**PREREQUISITE:** Biology

---

### **BOTANY**

**327**

Come get your hands dirty in this introductory botany course. Join us as we "dig into" the structure, function, and life cycles of plants. We will study some of the plants common to Wisconsin, identify aliens, grow plants in the lab, and learn some of the unusual things that plants have been used for. This course is activity-based, so we will spend much time in the lab and time outside when weather permits. There is one mandatory field trip per semester.

**CREDIT:** 0.5

**TYPE:** Regular

**GRADE:** 10-12

**PREREQUISITE:** Biology

---

**ENVIRONMENTAL SCIENCE****334A/B**

This course is designed to introduce you to current ecological and environmental issues and hopefully inspire you to become environmentally active. You will see how air, water and land quality have changed over time and how you can help make a difference! You will investigate global climate change, seeing both sides of this issue and taking a stand on what you believe. Other primary topics we cover include: alternative energy resources vs. nonrenewable sources, the effect of human population growth on our environment, biodiversity, aquatic ecosystems, invasive species and the detrimental effects of factory farming. This course is highly project-centered and lab-based. We will be doing field work and will be going outside to identify various species throughout the year (weather permitting). We will be going on fieldtrips, and discussion and online research will also be required.

**CREDIT:** 1.0**TYPE:** Regular**GRADE:** 11-12**PREREQUISITE:** Biology

---

**FOOD SCIENCE****625A/B**

Food Science incorporates science into a lab-oriented foods class. The laws of science are at work in foods prepared at home and by the food industry. Through lab experiments in the test and Lab Manual, students will practice scientific and sensory evaluation of foods. They will examine the positive and negative impact of microorganisms on the food supply. will also explore the variety of careers available to graduates with a food science background.

**COURSE NOTE:** May require additional fees. Science Elective Credit

**CREDIT:** 1.0**TYPE:** Regular**GRADE:** 11-12**PREREQUISITE:** Biology

---

**FORENSIC SCIENCE****346**

Forensic science is where the lab is the law. Using the scientific method, clues gathered from multiple scientific disciplines will lead to the guilty party. This course will cover a broad variety of topics including but not limited to documentation, forensic anthropology, blood stain analysis, trace evidence analysis and fingerprinting. Students will experience science as it applies to a real-world situation in this lab-based course.

**CREDIT:** 0.5**TYPE:** Regular**GRADE:** 10-12**PREREQUISITE:** Biology

---

**AP BIOLOGY****324A/B**

AP Biology is designed to be the equivalent of a college introductory biology course that is usually taken by biology or other related science majors during their first year of school. It will include the topics designated by the College Board who is responsible for developing and scoring the AP Biology Test administered in May. Topics covered can be broken down into four Big Ideas:

1: The process of evolution drives the diversity and unity of life.

- 2: Biological systems utilize energy and molecular building blocks to grow, to reproduce, and to maintain homeostasis.
- 3: Living systems store, retrieve, transmit, and respond to information essential to life processes.
- 4: Biological systems interact, and these interactions possess complex properties.

Additionally, students will be performing inquiry-based AP Biology labs focused on student-centered lab design and implementation. AP Biology will prepare students for the rigor and expectations of college. It will also aim to provide students with the knowledge and skills necessary to successfully complete the AP test.

**COURSE NOTE:** May require additional fees.

**CREDIT:** 1.5

**TYPE:** Advanced Placement/Laude

**GRADE:** 11-12

**PREREQUISITE:** Biology, Chemistry and Geometry (All "C" or better).

---

## **AP CHEMISTRY**

**350A/B**

AP Chemistry follows the curriculum prescribed by the College Board for Chemistry. It is intended to be the equivalent of a 1st year general chemistry course in college. Students' independent study of each unit is critical to their success as class time is devoted to discussion and lab activity. Units of study include Stoichiometry, Thermochemistry, Gases, Electron Structure of Atoms, Chemical Equilibrium, Solubility Equilibria, Oxidation/Reduction, Electrochemistry and Acids and Bases. This course prepares Students to take the AP Chemistry test in May and, depending on their college and choice of majors, may qualify them for college credit or a higher placement in science.

**CREDIT:** 1.0

**TYPE:** Advanced Placement/Laude

**GRADE:** 11-12

**PREREQUISITE:** Chemistry and Algebra II (Both "C" or better).

---

## **AP ENVIRONMENTAL SCIENCE**

**333A/B**

AP Environmental Science is an interdisciplinary course that combines biology, chemistry, environmental science, earth science and social studies to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course requires the student to identify and analyze both natural and human-created environmental problems, to evaluate the risks associated with the problems, and to examine alternative solutions for resolving or preventing them. Topics include resource use, environmental quality, pollution, waste treatment, importance of biodiversity, human health, global climate change and the tradeoff between economics and the environment. Students who enroll in AP Environmental Science will be expected to take the AP Environmental Science exam as time will be spent in class preparing students for the test.

**CREDIT:** 1.0

**TYPE:** Advanced Placement/Laude

**GRADE:** 11-12

**PREREQUISITE:** Biology and Chemistry with a "B" or better.

---

## **AP PHYSICS I**

**340A/B**

AP Physics 1 is the equivalent of a first semester college course in algebra-based physics, but is designed to be taught over a full academic year. Students develop a deep understanding of the concepts and math applications through inquiry based labs and college level curriculum. Topics covered are kinematics; dynamics; circular motion and gravitation; energy; momentum; simple harmonic motion; and torque and rotational motion.

**CREDIT:** 1.0                      **TYPE:** Advanced Placement/Laude                      **GRADE:** 11-12  
**PREREQUISITE:** Geometry and concurrent enrollment in Algebra II OR Physics and concurrent enrollment in Algebra II.

---

**AP PHYSICS II**

**347A/B**

AP Physics II is the equivalent of the second semester of a college course in algebra-based physics, but is designed to be taught over a full academic year to enable AP students to develop a deep understanding of the content and to focus on applying their knowledge through inquiry labs. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: mechanical waves, principles of fluids, thermodynamics, electricity, magnetism, optics and topics in modern physics.

**CREDIT:** 1.0                      **TYPE:** Advanced Placement/Laude                      **GRADE:** 11-12  
**PREREQUISITE:** AP Physics 1

**Social Studies**

**GLOBAL STUDIES**

**235A/B**

Global Studies is a freshman level course designed to introduce students to the various disciplines within the social sciences. Students will learn and apply historical thinking skills as they move through the course. While investigating an array of geography locations, students will engage in inquiry-based studies. Throughout the course, they will think like geographers, political scientists, and sociologists as they learn about the world. This course will prepare freshmen with the necessary disciplinary literacy skills to be successful in their future social studies courses.

**CREDIT:** 1.0                      **TYPE:** Regular                      **GRADE:** 9

---

**AP HUMAN GEOGRAPHY**

**237A/B**

AP Human Geography introduces students to the connections between people and the Earth. A significant outcome of this course is student awareness of the relevance of geography to their life and decision-making processes. Historical information serves to enrich analysis of major global issues through themes such as population, culture, political and urban geography, agriculture, industrial development and globalization, and map fundamentals. Students will gain a better understanding of the world in which we live today.

**CREDIT:** 1.0                      **TYPE:** Advanced Placement/Laude                      **GRADE:** 9-12

---

**U.S. HISTORY**

**221A/B**

U.S. History examines America as it enters the Twentieth Century. Political and social change is examined as well as America's rise as a world power. This course offers students a general understanding of the past and present while preparing them to become an active member of a democratic society.

**CREDIT:** 1.0                      **TYPE:** Regular                      **GRADE:** 10-12

---

**AP U.S. HISTORY****222A/B**

AP U.S. History provides students with analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. History. The course will prepare students for intermediate college courses by making demands upon them equivalent to those made by an introductory college course. Students will learn to assess historical materials and their relevance to a given interpretive problem, their reliability and importance, as well as to weigh evidence and interpretations present in historical scholarship. The AP History students will develop the skills to arrive at conclusions based on informed judgment, and to present reasons and evidence clearly and persuasively in essay format.

**COURSE NOTE:** May require additional fees.

**CREDIT:** 1.0**TYPE:** Advanced Placement/Laude**GRADE:** 11-12**PREREQUISITE:** Global Studies or AP Human Geography

---

**AP WORLD HISTORY:MODERN****225A/B**

AP World History:Modern is a full year course that explores the year 1200 to the present day. It is considered the equivalent of a semester college survey course in Modern World History. Students investigate significant events, individuals, developments and processes from 1200 to the present. Students develop and use the same skills, practices and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causations and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization and technology and innovation.

**CREDIT:** 1.0**TYPE:** Advanced Placement/Laude**GRADE:** 10-12**PREREQUISITE:** Completion of Global Studies or AP Human Geography

---

**GOVERNMENT****231**

The American Government prepares to participate in local, state, and national government and helps them understand what they will be participating in. A government can only be as effective as those who choose to participate. The course covers the following areas: 1) federal, state, and local government and the relationship between them; 2) history, structure and function of the American political system; 3) the Constitution; 4) political parties, labels, interest groups; 5) voting; 6) civil liberties.

\*Students who have already taken AP Government are not eligible to take Government.

**CREDIT:** 0.5**TYPE:** Regular**GRADE:** 11-12

---

**AP GOVERNMENT****232A/B**

While a government class is designed to prepare students to be active members in our democratic society, AP Government takes a student's understanding of the American system to much greater level. The course covers constitutional foundations (including civil liberties); media and public opinion; political parties, interest groups and voting; the public policy institutions (the bureaucracy, legislative, executive, and judicial branches); and the current economic, social, and national security issues facing our country. Students will additionally explore supplemental readings and major court decisions not covered in American Government. Students who take this course will be eligible to take the Advanced Placement Government and Politics: United States exam in the spring.

**CREDIT:** 1.0**TYPE:** Advanced Placement/Laude**GRADE:** 11-12**PREREQUISITES:** U.S. History and Global Studies or AP Human Geography

---

**PSYCHOLOGY****229**

The basic subject matter of Psychology is human behavior. The news media frequently cite examples of psychological phenomena such as emotional problems, drug use and abuse, racism, violence, and sexuality. In this course, we will examine such topics as learning, memory, perception, motivation, development, stress, intelligence and personality testing, abnormal behavior and therapy with an emphasis on applying these to the individual behavior. This course has a two-fold purpose. The first purpose is to give the students a better understanding of self and others. The second purpose is to familiarize the student with the subject of psychology for help in considering further educational plans. \*Students who have already taken AP Psychology are not eligible to take Psychology.

**CREDIT:** 0.5**TYPE:** Regular**GRADE:** 10-12

---

**AP PSYCHOLOGY****230A/B**

AP Psychology is designed to introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields of psychology. The major subfields that will be explored include the following: History of Psychology, Research Methods, Biological Bases of Behavior, Sensation and Perception, States of Consciousness, Learning, Cognition, Emotion, Development, Personality, Mental Disorders and Treatment, and Psychological Testing. Workload in this course will be similar to that of an introductory college-level course and will stress critical thinking, reading, writing, and studying current psychological research.

**CREDIT:** 1.0**TYPE:** Advanced Placement/Laude**GRADE:** 10-12**PREREQUISITE:** Global Studies or AP Human Geography

---

**DEVELOPMENTAL PSYCHOLOGY****22641****Host School: Gateway Technical College (3 College Credits)**

Developmental Psychology is the study of human development throughout the lifespan. This course explores developmental theory and research with an emphasis on the interactive nature of the biological, cognitive, and psychosocial changes that affect the individual from conception to death. Application



activities and critical thinking skills will enable students to gain an increased knowledge and understanding of themselves and others.

\*This is a Distance Learning course. CHS and Gateway credit will be awarded upon successful completion of the course. The student's grade will be reflected on his/her transcript but will not factor into his/her high school GPA. (3 college credit)

**CREDIT:** 0.75

**TYPE:** College/Distance Learning/Laude

**GRADE:** 11-12

---

## **SOCIOLOGY**

**242**

Sociology, as the study of human group behavior, seeks to involve the student in techniques of observing, describing, analyzing, and predicting. The student learns to investigate and critically examine the causes and consequences of behavior and theories relating to problems and concerns that exist within our society. Specific concerns are covered in each of the units: culture, socialization, social structure and stratification, inequalities, and crime. Students will gain an understanding of the problems of society, how to live with these problems and when applicable, how to solve them.

**CREDIT:** 0.5

**TYPE:** Regular

**GRADE:** 10-12

---

## **INTRODUCTION TO SOCIOLOGY**

**22649**

**Host School: Gateway Technical College (3 College Credits)**

This course examines interpersonal relationships of humans and groups and the consequent structure of society. It details the various social processes and concepts which shape human behavior, analyzing such phenomena as organizations, deviance, race and ethnic relations, populations, urbanization, social change, and social movement. Religion, education, and the family are studied.

\*This is a Distance Learning course. CHS and Gateway credit will be awarded upon successful completion of the course. The student's grade for this course will be reflected on his/her transcript but will not factor into his/her high school GPA.

**CREDIT:** 0.75

**TYPE:** College/Distance Learning/Laude

**GRADE:** 11-12

---

## **INTRODUCTION TO ECONOMICS**

**241**

Introduction to Economics is intended for students to gain a basic understanding of how markets work through the use of supply and demand tools. They will also gain an understanding about their role in the economy and be able to make rational decisions as participants in that economy. The course will also focus on the market economy at both the microeconomic and macroeconomic levels, including international markets.

\*Students who have already taken AP Microeconomics or AP Macroeconomics are not eligible to take Introduction to Economics.

**CREDIT:** 0.5

**TYPE:** Regular

**GRADE:** 10-12

---

**LEARNING, EARNING, AND INVESTING****246**

Learning, Earning, and Investing (LEI) introduces students to the world of investing, with its abundant opportunities and ever-present risks. The focus is on strategies for investing for the long term, as part of an overall approach to financial planning that empowers young people to take control of their own financial futures. Lessons cover basics such as the language of economic and financial markets, gathering information on investments and the nature of financial institutions in the U.S. economy. In the Gen i Revolution game that accompanies this class, each student assumes the role of a secret agent, assigned by the mysterious Monique to help people with financial problems. Each mission begins with a briefing from Monique and the selection of computer-based characters to form a team. Then students participate in interactive exercises and tutorials related to the financial problem that has been posed. Each mission concludes with students making financial recommendations, which are then scored according to their effectiveness in solving the financial problem.

**COURSE NOTE:** May require additional fees for field trips.

**CREDIT:** 0.5**TYPE:** Regular**GRADE:** 10-12

---

**AP MACROECONOMICS****244**

AP Macroeconomics studies the economy as a whole, dealing with economic concepts from the government to international levels. Issues such as unemployment, inflation and economic growth are key concepts covered. This course is intended for any student who is interested in a business, political, legal or marketing career. Its intent is to give students a solid base in economics by introducing them to many of the concepts they will need to master in college. Students who take the course will be eligible to take the Advanced Placement Macroeconomics exam in the spring.

**COURSE NOTE:** Offered 2nd Semester

**CREDIT:** 0.5**TYPE:** Advanced Placement/Laude**GRADE:** 10-12

**PREREQUISITE:** Global Studies or AP Human Geography and Microeconomics

---

**AP MICROECONOMICS****243**

AP Microeconomics studies individual elements in the economy. This includes the firm and industry, labor markets, labor unions, price theory and the role of the government. This course is intended for any student who is interested in a business, political, legal or marketing career. Its intent is to give students a solid base in economics by introducing them to many of the concepts they will need to master in college. Students who take the course will be eligible to take the Advanced Placement Microeconomics exam in spring.

**CREDIT:** 0.5**TYPE:** Advanced Placement/Laude**GRADE:** 10-12

**PREREQUISITE:** Global Studies or AP Human Geography

**COREQUISITE:** If you take this course, you must also take 244 (2nd Sem).

## Technology & Engineering

### **PLTW ENGINEERING ESSENTIALS (EE)**

**771A/B**

Learn how you can improve the world in Engineering Essentials! Explore how engineers make a difference and improve lives, while using modern engineering tools, such as geographic information systems, 3-D solid modeling software, and prototyping equipment. Students learn and apply the engineering design process to develop mechanical, electrical, process, and logistical solutions to relevant problems across a variety of industry sectors, including health care, public service, and product development and manufacturing. Work on your own and as part of a team to develop solutions to community and global challenges that the next generation of engineers will face. Students practice common engineering design and development protocols, such as experimental design, testing, project management, and peer review. In addition, the course emphasizes statistical analysis and mathematical modeling - computational methods that are commonly used in engineering problem-solving.

**COURSE NOTES:** Requires additional fees \$25.00

**CREDIT:** 1.0

**TYPE:** Laude

**GRADE:** 9-12

**PREREQUISITE:** Algebra I or concurrent registration in Algebra I

---

### **PLTW PRINCIPLES OF ENGINEERING (POE)**

**772A/B**

What type of engineer or engineering technologist would you like to be? This course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of materials and structures, automation, and kinematics. By solving rigorous and relevant design problems using engineering and science concepts within a collaborative learning environment, problem-based learning challenges students to continually hone their interpersonal skills, creative abilities, and problem-solving skills. Finally, students will learn how to document their work and communicate their solutions to their peers and members of the professional community. Counts as a Science Credit.

**COURSE NOTES:** Requires additional fees \$25.00

**CREDIT:** 1.0

**TYPE:** Laude/Gateway Transcribed

**GRADE:** 10-12

**PREREQUISITE:** Geometry or concurrent registration in Geometry. PLTW Engineering Essentials highly recommended

---

**PLTW CIVIL ENGINEERING & ARCHITECTURE (POE)****773A/B**

In Civil Engineering and Architecture (CEA) students are introduced to important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architectural design software. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students will progress from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills. Through both individual and collaborative team activities, projects, and problems, students will solve problems as they practice common design and development protocols such as project management and peer review. Students will develop skill in engineering calculations, technical representation and documentation of design solutions according to accepted technical standards, and use of current 3D architectural design and modeling software to represent and communicate solutions.

**COURSE NOTES:** Requires additional fees \$25.00

**CREDIT:** 1.0**TYPE:** Laude**GRADE:** 10-12

**PREREQUISITE:** Engineering Essentials or concurrent registration Principles of Engineering. Geometry or concurrent registration in Geometry.

---

**SOLIDWORKS DRAFTING I****703A/B**

This course provides students who have an interest in Science, Technology, Engineering and Math the opportunity to explore and improve his/her talents in communication through mechanical drafting and design. In this course, students use SolidWorks CAD software to create solid models of various components and assemblies, convert solid parts and assemblies into conventional 2D orthographic drawings, create section and auxiliary views, apply dimensions, apply geometric and dimensional tolerances, create tables and other annotations. Students in this course have the opportunity to earn nationally recognized SolidWorks certification (Certified SolidWorks Associate).

**COURSE NOTE:** May require additional fees.

**CREDIT:** 1.0**TYPE:** Laude**GRADE:** 9-12

---

**SOLIDWORKS DRAFTING II****704A/B**

This is an advanced course in engineering and design and is recommended for those who are highly motivated toward an engineering career. In this course students will review and use the knowledge gained in Drafting I to further their understanding of 3D modeling and how it relates to manufacturing and industry. Students will gain advanced understanding of SolidWorks and apply these skills to real-world problems. The goal of this course is to help students acquire the skills as a versatile draftsman, be able to make basic design decisions and be capable of addressing the challenges of future technological advances in the engineering and design profession. Students who learn 3D Solid Modeling develop

mechanical CAD, design, validation, and data management skills that are in high demand among employers. In the job market, engineers who know 3D Solid Modeling have a clear advantage. Students in this course have the opportunity to earn nationally recognized SolidWorks certifications.

**COURSE NOTE:** May require additional fees.

**CREDIT:** 1.0

**TYPE:** Regular

**GRADE:** 10-12

**PREREQUISITE:** 3D Solid Modeling I or Instructor's Approval.

---

## **FOUNDATIONS OF BLDG TRADES & WOOD PROD MANUFACTURING**

**730A/B**

Students in this course will be introduced to the machines, materials and processes used in wood products manufacturing. Students will also be introduced to the tools, materials, and skills of the modern building trades with an emphasis on Carpentry. Career options for each will be explored. Students will learn while they build required projects designed to help them meet the course objectives. Students will be evaluated based on: ability to perform skills, knowledge of machines, tools, and processes, and their ability to complete projects that meet standards. This course will use standards and curriculum from North Central States Regional Council of Carpenters and the Woodwork Career Alliance. Students who enroll in this course must have the potential to be very good at measuring and must be willing to follow strict safety rules. Course projects may include but are not limited to cutting boards, toolboxes, and bookcases.

**COURSE NOTE:** Course fee approx. \$50.00 per semester

**CREDIT:** 1.0

**TYPE:** Regular

**GRADE:** 9-12

---

## **WOMEN & WOODWORKING**

**735A/B**

Women & Woodworking is designed to offer female students all the skill attainment of the current Foundations of Building Trades & Wood Product Manufacturing course but with a classroom environment, project choices, and career focus that is intentionally female centered. Students in this course will be introduced to the machines, materials and processes used in wood products manufacturing. Students will also be introduced to the tools, materials, and skills of the modern building trades with an emphasis on Carpentry. Career options for each will be explored. Students will learn while they build required projects designed to help them meet the course objectives. Students will be evaluated based on: ability to perform skills, knowledge of machines, tools, and processes, and their ability to complete projects that meet standards. This course will use standards and curriculum from North Central States Regional Council of Carpenters and the Woodwork Career Alliance. Students who enroll in this course must have the potential to be very good at measuring and must be willing to follow strict safety rules. Course projects may include but are not limited to cutting boards, toolboxes, and bookcases.

**COURSE NOTE:** Course fee approx. \$50.00 per semester

**CREDIT:** 1.0

**TYPE:** Regular

**GRADE:** 9-12

---

**WOOD PROD MANUFACTURING INT: MACHINES, SKILLS AND PROC****732A/B**

Students in this course will use their existing basic knowledge and build upon it to operate machines, perform skills, and complete processes to an intermediate level of skill in wood products manufacturing. Students will learn while they build required projects designed to help them meet the course objectives. Students will be evaluated based on their ability to perform machine skills, their knowledge of machines and processes, and their ability to complete projects that meet standards. The learning in this course will be a continuation and an expansion of the woodworking specific portions of FOUNDATIONS OF BUILDING TRADES & WOOD PRODUCT MANUFACTURING. Students will build more technically advanced and challenging projects and the standards by which they are evaluated will be more rigorous. Course Project: coffee table, night stand cabinet.

**COURSE NOTE:** Course fee approx. \$50.00 per semester

**CREDIT:** 1.0

**TYPE:** Regular

**GRADE:** 10-12

**PREREQUISITE:** Foundations of Building Trades and Wood Products Manufacturing

---

**WOOD PROD MANUFACTURING ADV: CABINETMAKING AND MILLWORK****733A/B**

Students in this course will learn the skills and processes used in modern cabinetmaking and millwork manufacturing. Students will learn while they build projects they have chosen to help them meet the course objectives. The projects must be approved by the teacher and must incorporate certain cabinetmaking and millwork processes. Students will be evaluated based on their ability to perform machine skills, their knowledge of machines and processes, and their ability to complete projects that meet standards. The learning in this course will be an expansion of the two previous wood courses. Students will build more technically advanced and challenging projects and the standards by which they are evaluated will be more rigorous than in previous coursework. Students in this class will join the Woodwork Career Alliance and their skills will be evaluated based on the national standards of this organization. The students are expected to achieve the "Sawblade" Award certification from the WCA as part of the course skills grade. This course is geared towards students who are considering wood manufacturing as a career path, but is also a great class for those who are interested in woodworking as a hobby. \*Additional fees to cover all costs of WCA Membership. Students must pay for any materials they use in the completion of their projects. Students who do not wish to pay for projects will build items for sale to cover material costs. Students who take this course will have the option to enroll through MATC Madison College to receive two (2) college credits if they successfully complete all required coursework at the required ability level.

**COURSE NOTE:** Course fee-\$55.00\* Additional fees may apply.

**CREDIT:** 1.0

**TYPE:** MATC Madison Transcribed/Laude

**GRADE:** 11-12

**PREREQUISITE:** Successful completion of Wood Prod. Manufacturing Intermediate.

---

**WOOD PRODUCTS MANUFACTURING: CAPSTONE****734A/B**

Students will learn while they build projects they have chosen to help them meet the course objectives. The projects must be approved by the teacher and must incorporate certain cabinetmaking and millwork processes. Students will be evaluated based on their ability to perform machine skills, their knowledge of machines and processes, and their ability to complete projects that meet standards. The learning in this course will be an expansion of the previous wood courses. Students will build more technically advanced and challenging projects and the standards by which they are evaluated will be more rigorous than in previous coursework. Students in this class will work toward Woodwork Career Alliance Green Level Certification. Students in this course are expected to join and compete in SkillsUSA Wisconsin State competition.

**COURSE NOTE:** Course fees - Additional fees may apply

**CREDIT:** 1.0

**TYPE:** MATC Madison Transcribed/Laude **GRADE :** 11-12

**PREREQUISITE:** Wood Products Manufacturing Advanced: Cabinetmaking and Millwork

---

**BUILDING TRADES I: INTERMEDIATE CARPENTRY****736A/B**

This course covers basic knowledge of many trades that are found in the construction industry with a focus on carpentry. Students who have an interest in entering the construction trades are encouraged to take this course. The major topics presented are safety, construction math, hand tools, power tools, materials, construction drawings, and completion of intermediate level projects. Each area teaches the necessary terminology and technical knowledge, as well as provides the students with the opportunity to develop various skills through hands-on experience. Students will have the opportunity to earn national certification through the North Central States Regional Council of Carpenters and three (3) transcribed credits from the Gateway Technical College Building Construction Program.

**CREDIT:** 1.0

**TYPE:** Gateway Transcribed/Laude **GRADE:** 10-12

**PREREQUISITE:** Successful completion of Foundations of Building Trades and Wood Product Manufacturing or approval of instructor.

---

**BUILDING TRADES II: ADVANCED CARPENTRY****737A/B**

This course covers intermediate level knowledge in many trades found in the construction industry with a focus on carpentry. Students who are serious about pursuing an apprenticeship in the construction trades are strongly advised to take this course. Hours from this course may be applied to apprenticeship experience hours. The major topics presented are safety, construction math, hand tools, power tools, construction drawings, partition layout, door and window openings, wall systems, establishing plumb, header construction, soffits, hip roofs, drywall, and ceilings. Each area teaches the necessary terminology and technical knowledge, as well as provides the students with the opportunity to develop various skills through hands-on experience. Students will have the opportunity to earn national certification through the North Central States Regional Council of Carpenters.

**CREDIT:** 1.0

**TYPE:** None

**GRADE:** 11-12

**PREREQUISITE:** Building Trades I: Intermediate Carpentry

---

**SCREEN PRINTING PRODUCTION****748**

This course will introduce you to the world of Screen Printing! Learn the entire screen printing process and print shirts for school clubs, activities and other clients. You will be able to try out a wide variety of inks, printing methods and equipment; creating many wonderful single and multi color prints along the way! You will also learn to create and edit designs for clients using Adobe design software. Beginners will find it simple to learn the process and create quality work. You may be able to design and print your own creations between production work if time allows.

**CREDIT:** 0.5**TYPE:** Regular**GRADE:** 9-12**PREREQUISITE:** None

---

**GRAPHIC COMMUNICATIONS I****751A/B**

Come explore the amazing world that is Graphic Communications! Students will learn how to use professional design software (which includes Photoshop, Illustrator, and InDesign) and learn how to operate state of the art equipment (like laser engravers, drawing tablets, printers, and more) to create a variety of FUN projects and create original artwork! Design and make things like T-shirts, stickers, posters, and so much more! Show off your creativity! At home access to the Adobe Creative Cloud is included with the course. which is a \$636 value! Opportunities to become Adobe certified are also available!

**COURSE NOTE:** Course requires lab fees**CREDIT:** 1.0**TYPE:** Regular**GRADE:** 9-12

---

**GRAPHIC COMMUNICATIONS II****752A/B**

Graphic Communications II is for students who have excelled and have a solid background from Graphics I. Students will learn more advanced skills and be able to expand upon their graphics knowledge. New printing technologies and professional techniques will be discussed and explored throughout the year. Students will become Adobe Certified Professionals in one or more of the following software programs: Photoshop, Illustrator, or InDesign! Career options will be discussed. A digital portfolio will be created, and access to Adobe Creative Cloud is included, which is a \$636 value!

**COURSE NOTE:** Course requires lab fees**CREDIT:** 1.0**TYPE:** Laude**GRADE:** 10-12**PREREQUISITE:** "C" or better in Graphic Communications I or Instructor's approval.

---

**GRAPHIC COMMUNICATIONS III****753A/B**

Graphic Communications III is designed for students who may plan to go on to higher learning in an area of the graphic industry following their high school career. Computer layout and design skills learned from the previous courses are essential to Graphic Communication III. The course will simulate an independent, job-like setting where students choose the areas of the industry interesting to them, and create and complete projects and expand their knowledge in those areas. Students will also be required to do computer layout work and printing for the school and outside sources as well to further simulate the



experience. Students will become Adobe Certified Professionals in Photoshop, Illustrator, or InDesign! Career options will be discussed. Their digital portfolio will be updated, and access to Adobe Creative Cloud is included, a \$636 value!

**COURSE NOTE:** Course requires lab fees

**CREDIT:** 1.0

**TYPE:** Laude

**GRADE:** 11-12

**PREREQUISITE:** "C" or better in Graphic Communications II

---

## **GRAPHIC COMMUNICATIONS IV**

**754A/B**

Graphic Communications IV is designed as a CAPSTONE course for the Graphic Communications area. Students taking this course plan to go on to higher learning in an area of the graphics industry following their high school career. Advanced computer layout and design skills learned from the previous course are essential to Graphic Communications IV. The course will simulate an independent, real world employment production setting where work is completed that will maximize their skills and job readiness. There is also an opportunity to design, manufacture, and sell graphics related products as well as complete their own independent work! Career options will be discussed, and their digital portfolio will be updated. Access to Adobe Creative Cloud is included, a \$636 value!

**COURSE NOTE:** Course requires lab fees

**CREDIT:** 1.0

**TYPE:** Laude

**GRADE:** 12

**PREREQUISITE:** "C" or better in Graphic Communications III or Instructor's Approval.

---

## **METALS I**

**725A/B**

Metals I is a great course for anyone interested in metal materials, design, engineering, making projects, and learning. No previous experience in metalworking is required. The subject areas taught are machining, sheet metals, foundry forge, and welding. In each of these areas' instruction focuses on safety, basic concepts, technical information, operations, and procedures. Understanding of these areas is required before a student may actually work in the shop. Metalworking skills are developed through experience in the shop. All students are required to follow safety rules and a positive attitude towards these rules must be displayed. A minimum "C" grade and instructor approval is required to advance to Metals II.

**COURSE NOTE:** Requires additional lab fees: \$50.00 per semester.

**CREDIT:** 1.0

**TYPE:** Gateway Transcribed/Laude

**GRADE:** 9-12

---

## **METALS II**

**726A/B**

Metals II focuses on are manufacturing and preparing for future employment. The course presents technical information, skill development, and positive work attitudes. Metals II expands on the material introduced in the first-year class. A minimum "C" grade is required to advance to Metals III.

**COURSE NOTE:** Requires additional lab fees: \$60.00.

**CREDIT:** 1.0

**TYPE:** Gateway Transcribed/Laude

**GRADE:** 10-12

**PREREQUISITE:** Metals I

---

**METALS III****727A/B**

Metals III is designed for those interested in continuing their knowledge of precision machine operation. This course product development, planning and layout, working drawings and the development of advanced machining skills. Independent study gives the advanced student the opportunity to future develop skills. The student concentrates in an area of metalworking for an entire semester and produces a project of his/her own choice with the instructor's approval. Advanced study and course credit is available to students with superior talent and ability in metals, upon instructor's recommendation.

**COURSE NOTE:** Requires additional lab fees: \$50.00.

**CREDIT:** 1.0

**TYPE:** Gateway Transcribed/Laude

**GRADE:** 11-12

**PREREQUISITE:** Metals II or Instructor's Approval.

---

**METALS IV****729A/B**

This is the CAPSTONE course for students seriously considering a career in metals, engineering, or manufacturing. Students participating in this course will complete complex projects involving a multitude of materials and processes showcasing skills and techniques acquired throughout the metals program. Students will participate in job shadows, internships, or apprenticeship programs related to manufacturing. Metals IV engages students in deeper learning in the areas of part programming, CAD/CAM software, tool geometry, machine setups, inspection, lean manufacturing principles, and quality. This class offers learning opportunities for students going into engineering and manufacturing at a variety of ability levels. This class also plays a large role in the support of the entire metals manufacturing program through the service, repair, and maintenance of Central's metal lab and equipment.

**CREDIT:** 1.0

**TYPE:** Regular/Laude

**GRADE:** 11-12

**PREREQUISITE:** Metals III with a "B" or better; Failure to come up with a capstone project will result in course removal.

---

**IT ESSENTIALS****763A/B**

Do computers intrigue you? Do you want to learn how to build, configure, upgrade, troubleshoot and repair computers? Are you interested in the IT field? Want to earn **college credit**? This college course, IT Essentials, focuses on the relationship between hardware and systems software. The course topics include PCs, peripherals, networking, security, troubleshooting, and communication skills. We will be using CISCO training modules as well as actual computers to learn on and practice your skills. IT Essentials is an introductory course that presents a foundation toward pursuit of an IT degree and CompTIA A+ Certification. This is an actual college course and will earn you three college credits that can be applied at Gateway, or any other state school that accepts transfer credits.

**COURSE NOTE:** Requires additional fees for PC repair equipment (that students keep), USB drive required.

**CREDIT:** 1.0

**TYPE:** Gateway Transcribed/Laude

**GRADE:** 9-12

---

**3D COMPUTER ANIMATION I****756A/B**

3D Computer Animation I is an introductory level course that initiates students into the enormous creative capabilities of the 3D Studio Max program. 3Ds Max is one of the most powerful designing software that provides comprehensive 3D modeling, rendering, animation, and composing solutions for different industries. From a basic understanding of the program's operation, students learn to visualize, plan, and model in three-dimensional space as well as explore its animation capabilities. The 3D Computer Animation curriculum combines 3D animation processes/production through hands-on applied projects.

**CREDIT:** 1.0**TYPE:** Regular**GRADE:** 9-12

---

**3D COMPUTER ANIMATION II****757A/B**

3D Computer Animation II is an advanced course designed to provide an opportunity to continue building up their portfolio of digital work by focusing on the further study and exploration of computer animation. Students will increase their knowledge of the process of animation from initial concept and storyboarding through final rendering. As they develop greater understandings of the many potentials of this powerful tool, are encouraged to work towards their own personal goals and interests

\*Gateway and Illinois Institute of Art Articulated - Advanced Standing with a "B" or better.

**CREDIT:** 1.0**TYPE:** Regular**GRADE:** 10-12**PREREQUISITE:** Computer Animation I or Instructor's Approval.

---

**3D PRINTING****749**

In this course you will learn how to create and print your own 3D objects! You will learn how to use various 3D design and 3D printing software as well as how 3D printers work and operate. This course covers all of the essentials you will need to know to get up and running with 3D Printing technology! By the end of the course you will have the opportunity to earn nationally accredited NC3 Dremel 3D Idea Builder Certification.

**CREDIT:** 0.5**TYPE:** Regular**GRADE:** 9-12

## World Languages

### SPANISH I

**151A/B**

Spanish I is for students with no previous Spanish instruction or with less than two years of grade school Spanish. In Spanish I students are progressively immersed into Spanish. Students will learn to socialize, exchange information, to express feelings and emotions and to persuade, orally and in writing. Students are also introduced to Spanish and Latin American cultures and customs. A Course Binder is required.. Students should expect to communicate in Spanish as much as possible.

**COURSE NOTE:** May require additional fees.

**CREDIT:** 1.0

**TYPE:** Regular

**GRADE:** 9-12

---

### SPANISH II

**152A/B**

Spanish II is conducted primarily in Spanish. Students will review and expand on their language skills of socializing, exchanging information, expressing feelings and emotions and persuading. In addition, they will learn how to express attitudes and opinions. Cultural study includes areas of Latin America and Spain. A Spanish II Course Binder is required.

**COURSE NOTE:** May require additional fees.

**CREDIT:** 1.0

**TYPE:** Regular

**GRADE:** 9-12

**PREREQUISITE:** Successful completion of Spanish I or the Spanish II Placement exam.

---

### SPANISH III HONORS

**157A/B**

Spanish III is conducted in Spanish. It focuses on the five skills: speaking, listening, reading, writing and culture. Students will discuss people, places and events by describing and narrating in the past, present, future as well as making inroads into the subjunctive. Cultural insight is continued by the study of contemporary Spanish music, foods, daily activities and customs of Spanish speaking countries. Engl./Spanish dictionary, and a pocket verb reference book are recommended.

**COURSE NOTE:** May require additional fees.

**CREDIT:** 1.0

**TYPE:** Honors/Laude

**GRADE:** 10-12

**PREREQUISITE:** Successful completion of Spanish II or the Spanish III Placement exam.

---

### AP SPANISH LITERATURE & CULTURE

**156A/B**

AP Spanish Literature and Culture is a course conducted entirely in Spanish with a focus on authentic materials created by Spanish-speakers, for Spanish-speakers. AP Spanish Literature is the equivalent of a third-year college survey or literature course. Students in this course will explore major works of literature in all the principal literary genres—short stories, dramas, novels, essays, and poetry— by writers from around the Hispanic world. In addition, Students will learn about social, political, and economic issues affecting the Spanish-speaking world using a variety of media. Current music, websites, blogs, and

social media will support and enhance our study of classic literature. Upon completion of this course, students are encouraged to take the AP Spanish Literature test or a Spanish placement test for their college of choice, if they are seniors. If a junior, continue with Spanish by taking the AP Spanish Language & Culture course the following year.

**COURSE NOTE:** May require additional fees.

**CREDIT:** 1.0                                      **TYPE:** Advanced Placement/Laude                      **GRADE:** 10-12

**PREREQUISITE:** Successful completion of Spanish III Honors with a B or better or teacher recommendation.

---

### **ADVANCED LATINO STUDIES A**

**184A**

Is conducted in Spanish and will continue to develop the five language skills: speaking, listening, reading, writing and culture. Cultural insight is continued by the study of contemporary Spanish music, dance, foods, daily activities and customs of Spanish speaking as well as identity and technology.

**COURSE NOTE:** May require workbook

\*Advanced Latino Studies can be taken as a semester or year long course

**CREDIT:** 0.5                                      **TYPE:** Advanced Placement/Laude                      **GRADE:** 9-12

**PREREQUISITE:** Successful completion of Spanish III Honors or teacher recommendation.

---

### **ADVANCED LATINO STUDIES B**

**184B**

Is conducted in Spanish. In this course students will engage in developing their vocabulario and speaking skills through interactive and real life simulations from the viewpoint of both a consumer and provider in a variety of industries. Our focus will include but will not be limited to the following industries: Business, Medical, Professional Trade Services, Agriculture and Hospitality.

**COURSE NOTE:** May require workbook

\*Advanced Latino Studies can be taken as a semester or year long course

**CREDIT:** 0.5                                      **TYPE:** Advanced Placement/Laude                      **GRADE:** 9-12

**PREREQUISITE:** Successful completion of Spanish III Honors or teacher recommendation.

---

### **FRENCH I**

**161A/B**

French I is for students with little or no previous French instruction. Students will learn to understand, speak, read, and write about various aspects of their lives, such as family, school, pastimes, food, clothing, etc. Class activities include roleplay, skits, songs, games, and working in pairs and groups.

**COURSE NOTE:** May require additional fees.

**CREDIT:** 1.0                                      **TYPE:** Regular    **GRADE:** 9-12

---

**FRENCH II****162A/B**

French II continues to offer students the opportunity to expand their communication skills of listening, speaking, reading, and writing through a variety of methods. Topics include leisure activities, health, asking and following directions, house, future plans, past experiences, etc. Special emphasis is on learning to differentiate between past, present, and future events.

**COURSE NOTE:** May require additional fees.

**CREDIT:** 1.0**TYPE:** Regular**GRADE:** 9-12**PREREQUISITE:** French I

---

**FRENCH III HONORS****167A/B**

French III students will fine tune their language skills while studying French history, literature, culture, geography, etc. Students will read literature, research and present information on a French-speaking area of the world via a semester-long "Adopt a Country" project.

**CREDIT:** 1.0**TYPE:** Honors/Laude**GRADE:** 10-12**PREREQUISITE:** French II

---

**AP FRENCH LANGUAGE & CULTURE****160A/B**

AP French Language & Culture is conducted entirely in French with a focus on authentic materials created by French-speakers for French-speakers. According to the curriculum of the AP French Language & Culture course, this course is the equivalent of a third-year college conversation and composition course, and its goal is to improve the four main language skills: reading, writing, listening, and speaking. In addition, the students will explore authentic resources such as social media, online magazines, podcasts, videos, newscasts, short stories and other mediums to do the following: understand spoken and written French, speak on a wide variety of topics, write formal and informal compositions in a wide variety of styles with appropriate grammatical structure, expand vocabulary use and proper use of register to differentiate between audiences, continue using French to communicate in meaningful situations throughout life. Upon completion of this course, students are encouraged to take the AP French Language & Culture test and/or college placement test.

**COURSE NOTE:** May require additional fees.

**CREDIT:** 1.0**TYPE:** Advanced Placement/Laude**GRADE:** 10-12

**PREREQUISITE:** Successful completion of French III Honors with a B or better, teacher recommendation or a Placement Exam.

**CCIHS French 202**

College Credit in High School French 202 is taught concurrently with AP French Language & Culture A & B. Students have the option to sign up to earn up to 14 university credits through the University of Wisconsin - Green Bay upon completion of this course with a grade of B (83%) or better. This is a yearlong class. Students must have parental approval and pay a fee of \$300 through CHS to UWGB. Credits are accepted at all University of Wisconsin system schools and many others, but as with AP credits, students must research the policy at the university they plan to attend. The credits will be on their

transcript permanently. There is no financial aid for this program. The syllabus follows that for AP French A & B.

**COURSE NOTE:** Requires \$300 fee

**CREDIT:** 1 CHS (Up to 14 UWGB)      **TYPE:** Advanced Placement/Laude      **GRADE:** 10-12

**PREREQUISITE:** Successful completion of French III Honors with a B or better, teacher recommendation or a Placement Exam.

**COREQUISITES:** This is a full year course.

---

## **GERMAN I**

**171A/B**

German I is for students with no previous German instruction. However, class will be conducted in German to the extent practicable. Students will learn to exchange information (orally and in writing), to socialize, to express feelings and the culture and customs of Germany and other German speaking countries. A German-English dictionary is recommended.

**COURSE NOTE:** May require additional fees.

**CREDIT:** 1.0      **TYPE:** Regular      **GRADE:** 9-12

---

## **GERMAN II**

**172A/B**

German II is conducted mostly in German. Students will review and expand on their language skills of socializing, exchanging information, expressing feelings and emotions, and persuading. Students will also relate personal information about past or future events. Students will read short stories in German and will do some descriptive writing. Cultural study includes Germany and other German speaking areas of the world.

**CREDIT:** 1.0      **TYPE:** Regular      **GRADE:** 10-12

**PREREQUISITE:** German I or consent of instructor.

---

## **GERMAN III HONORS**

**177A/B**

In German III Honors students discuss other people, places and events by describing and narrating in the past, present and future. The class is conducted in German. Students are introduced to German literature through short stories and poems, and cultural insight is continued. Students will do expanded writing to express personal opinions and create their own stories. Successful completion of German II with a "C" or better is required in order to enroll in this class.

**CREDIT:** 1.0      **TYPE:** Honors/Laude      **GRADE:** 11-12

**PREREQUISITE:** German II or consent of instructor.

---

## **AP GERMAN LANGUAGE & CULTURE**

**170A/B**

AP German Language & Culture is conducted entirely in German with a focus on authentic materials created by German speakers for German-speakers. According to the curriculum of the AP German

Language & Culture course, this course is the equivalent of a third-year college conversation and composition course, and the goal is to improve the four main language skills: reading, writing, listening, and speaking. In addition, the student will explore authentic resources such as social media, online magazines, podcasts, videos, news case, short stories and other mediums to do the following: understand spoken and written German, speak on a wide variety of topics, write formal and informal compositions in a wide variety of styles with appropriate grammatical structure, expanded vocabulary use and proper use of register to differentiate between audiences, continue using German to communicate in meaningful situations throughout life. Upon completion of this course, students are encouraged to take the AP German Language & Culture test and/or college placement test.

**COURSE NOTE:** May require additional fees.

**CREDIT:** 1.0

**TYPE:** Advanced Placement/Laude

**GRADE:** 10-12

**PREREQUISITE:** Successful completion of German III Honors with a B or better or teacher recommendation.

---

### **LANGUAGE IMMERSION SEMINAR**

**183**

Language Immersion Seminar is a semester-long course where students concentrate on conversational and survival functions in a second and/or third language as preparation for foreign travel with a home-stay component. Prior to departure, students participate in extensive immersion communication with vocabulary expansion. This is based upon role play within the following settings: family life, gatherings, visits to museums, monuments, etc. Special attention is given to formal and faux pas to properly prepare Students for situations they will likely encounter. While abroad, Students are responsible to keep a journal of new vocabulary and reflecting on cultural differences/similarities in alignment with the College Board World Language AP programs. Travel is required for this course and students are responsible for all costs associated with travel. Scholarships/grants and fundraising opportunities are available to help offset travel costs.

**COURSE NOTE:** Travel costs are the responsibility of the student

**CREDIT:** 0.5

**TYPE:** Regular

**GRADE:** 10-12

---

### **GLOBAL LANGUAGES AND PERSPECTIVES (Blended)**

**180**

Global Languages and Perspectives is a semester-long blended course intended to prepare students for living in a global society. Students will meet face-to-face with the instructor approximately three days a week and work independently online the remainder of the week. It will provide a study of the relationship between communication and culture with emphasis on language and customs. During this course Students will examine the factors affecting the processes and quality of interpersonal communication between those of differing cultures and subcultures. This will be accomplished by addressing such issues as cultural differences and similarities, cross-cultural interaction and communication, cultural shock and adjustment, and basic language skills. Global Languages and Perspectives is designed to offer students an overview of the emergence and development of globalization. It will focus on intercultural encounters facilitated by globalization and local responses to global impacts. The course will also examine migration, immigration, socioeconomic and religion-cultural issues prevalent in an emerging global culture and how these global trends impact society. In addition, it will compare and contrast various aspects of culture including material, social, economic, aesthetic, political, religious and linguistic factors.

**CREDIT:** 0.5

**TYPE:** Regular

**GRADE:** 9-12



---

**AMERICAN SIGN LANGUAGE I****22621****Host School: Gateway Technical College (2 College Credits)**

American Sign Language I is an introductory course for the individual who has no previous experience with sign language. The course emphasis is on intensive vocabulary development and basic American Sign Language sentence structure. Students will also study American Deaf Culture and learn the basics of proper etiquette when communicating in a signing/hearing environment. The student will begin to develop both expressive and receptive ASL skills.

\*This is a Distance Learning course. CHS and Gateway credit will be awarded upon successful completion of the course. The student's grade for this course will be reflected on his/her transcript but will not factor into his/her high school GPA.

**CREDIT: 0.5****TYPE: College/Distance Learning/Laude****GRADE: 10-12**

---

**AMERICAN SIGN LANGUAGE II****22622****Host School: Gateway Technical College (2 College Credits)**

American Sign Language II is a continuation in the development from phrases and simple sentences to complex structures. The course will focus on the development of conversational American Sign Language skills. Students will further develop an understanding of the history and culture of the deaf community in the United States.

\*This is a Distance Learning course. CHS and Gateway credit will be awarded upon successful completion of the course. The student's grade for this course will be reflected on his/her transcript but will not factor into his/her high school GPA.

**CREDIT: 0.5****TYPE: College/Distance Learning/Laude****GRADE: 10-12****PREREQUISITE: American Sign Language I**

---

**AMERICAN SIGN LANGUAGE III****22623****Host School: Gateway Technical College (2 College Credits)**

Students in American Sign Language III will continue to build their signing skills. will advance from being able to understand complex sentence structures to being able to express complex thoughts and ideas in ASL. Students will study basic linguistic rules and explanations for ASL. Students will further their understanding of Deaf culture through literature and the arts.

\*This is a Distance Learning course. CHS and Gateway credit will be awarded upon successful completion of the course. The student's grade for this course will be reflected on his/her transcript but will not factor into his/her high school GPA.

**CREDIT: 0.5****TYPE: College/Distance Learning/Laude****GRADE: 11-12****PREREQUISITE: American Sign Language II**

---

**AMERICAN SIGN LANGUAGE IV****22624****Host School: Gateway Technical College (2 College Credits)**

American Sign Language IV will enhance the students' understanding of ASL. Students will continue to develop confidence and expertise in the proper use of ASL in a variety of formats. Students will further develop their linguistic understanding of ASL. Students will continue to learn about Deaf culture in America and around the world.

\*This is a Distance Learning course. CHS and Gateway credit will be awarded upon successful completion of the course. The student's grade for this course will be reflected on his/her transcript but will not factor into his/her high school GPA.

**CREDIT: 0.5****TYPE:** College/Distance Learning/Laude**GRADE: 11-12****PREREQUISITE:** American Sign Language III

---

**DEAF HISTORY****22648****Host School: Gateway Technical College (2 College Credits)**

This course will examine the common past, present debates, and promises for the future of this minority culture. This course is an overview of the cultural, educational, physical, and social implications of deaf people within the context of today's diverse society. Discussions will include identities, language, legislation, organizations, technology and values within the deaf community.

\*This is a Distance Learning course. CHS and Gateway credit will be awarded upon successful completion of the course. The student's grade for this course will be reflected on his/her transcript but will not factor into his/her high school GPA.

**OFFERED IN APRIL/MAY 2023****CREDIT: 0.5****TYPE:** College/Distance Learning/Laude**GRADE: 9-12**