



## **2024-2025 Course Planning Guide**

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



“Each and Every Student Prepared for Their Future.”

Westosha Central High School  
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## Westosha Central High School Mission Statement

“Inspire, Challenge, Empower.... Creating Our Future Together.”

## Westosha 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; creed; 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

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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/guardians/guardians, 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. Westosha Central has a growing number of course options, which students and parents/guardians/guardians are encouraged to explore as part of the course selection process.

### **COURSE SELECTION**

School Counselors will meet with students and distribute course selection information. After course information is distributed, students will be asked to make their final course selections/ requests for the following school year. Courses should be chosen carefully, and it is strongly recommended that students and parents/guardians/guardians review options together. Students should provide an ample amount of requests to ensure a full schedule as many class sections fill rapidly

### **SCHEDULE GUIDELINES**

Students and parents/guardians/guardians are urged to proceed through the registration process with careful consideration to the selection of courses. It is required that Freshman and Sophomore students are enrolled in at least **6.5** credits yearly to meet the 24 credit graduation requirement. Per Westosha Central High School Board policy, each student must have a minimum of five (5) credits per year. **It is the policy of Westosha Central High School to not make schedule changes after the student's schedule is established.**

### **ADD/ DROP POLICY**

During the course selection process, students are encouraged to carefully read course descriptions and seek input and recommendations from parents/guardians/guardians, teachers, and counselors before choosing classes for the following school year. In addition, considerable effort is devoted to developing a master schedule, and teachers are hired and assigned to classes according to these course selections. Students are offered multiple opportunities to adjust their course requests prior to schedules being established. Once schedules are established, changes will only be considered if based on a valid educational reason: failure (need to repeat a class), lacking prerequisites, IEP modification, summer school credit earned, work-study change, administrative/ teacher directed change, balancing of schedules, and computer error. In such cases, a Schedule Change Form must be completed and approved and students must attend previously scheduled classes until approval is granted. Schedule changes will only be considered prior to the start of each trimester

Schedules will not be changed due to job requirements, extracurricular activities, current failing grades, teacher preference, lunch/advisory hour preference, friends/peers, or if a small class size is lowered or a large class size is raised.

## Important Information (Continued)

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### **ADD/DROP TIME FRAME**

Based on the criteria detailed above, should a student be approved for a schedule change, the following must occur:

#### **First Five (5) Days of the Trimester Add/Drop Class:**

- Once the trimester has begun, students must acquire a Schedule Change Form from their school counselor.
- Schedule Change Form must be completed and returned to the student's counselor within the first five (5) days of the trimester. **No schedule changes will be approved once the student has attended a class for five (5) school days.**

#### **First Ten (10) School Days of the Trimester:**

- Students are not allowed to add any class after the first five (5) days of the trimester. Within the first ten (10) school days of the trimester, if a course drop is approved, the student may be placed into a study hall in lieu of said class. However, the student must maintain the minimum credits required.
- After ten (10) school days of the trimester, students must remain in class for the duration of the trimester. Students and counselors can discuss dropping a class prior to the start of the next trimester.

**\*Any schedule changes made after the designated timeframe will result in a trimester grade of WF. The WF grade factors into GPA calculation equivalent to a grade of "F". This will result in the student being put at risk of not earning the needed credits to graduate.**

#### **1-5 Days Into Trimester**

Must be approved and acquire/ complete an Add/Drop Form to adjust classes.

#### **5-10 Days Into Trimester**

No New class will be added.

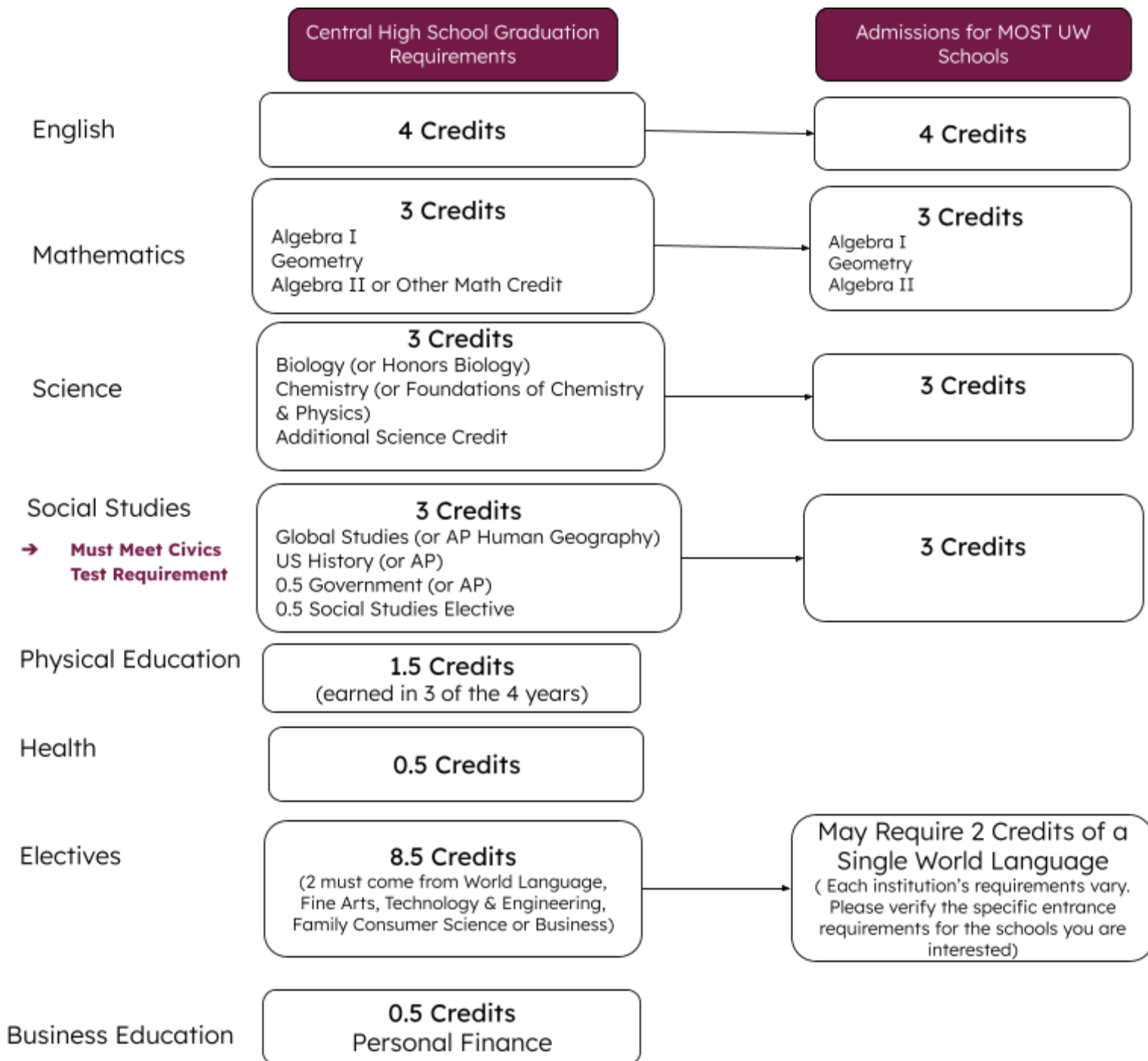
If a course drop is approved, students can only move into a study hall. Students must maintain minimum credits required.

#### **After 10 Days**

No changes allowed.

Students must remain in class for the duration of the semester.

# Westosha Central High School Graduation Requirements



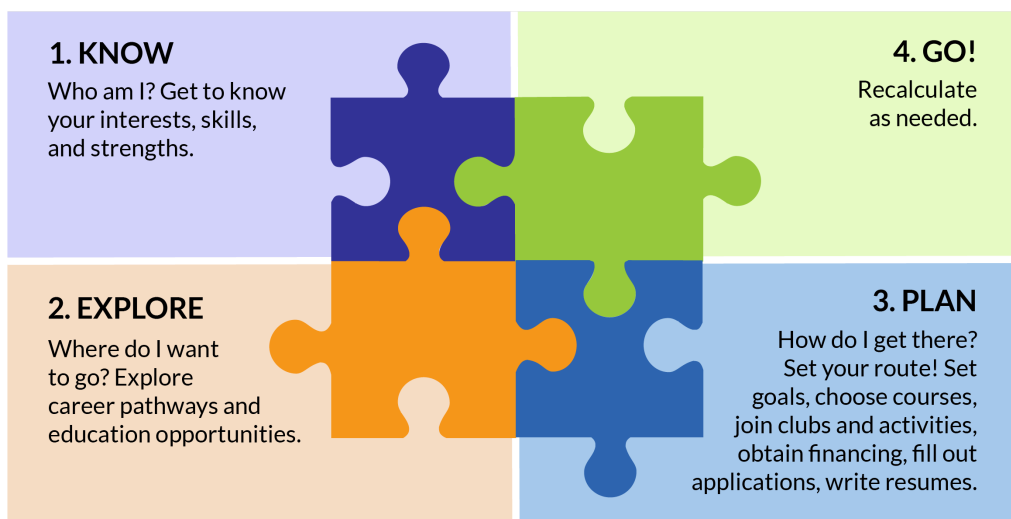
**Total: 24 Credits**

# Academic & Career Planning (ACP)

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ACP is intended to equip students and their families with the tools necessary to make more informed choices about postsecondary education, training, and careers for life after high school. It is part of Westosha Central's vision that each and every student graduates college, career, and life ready. As part of that vision, students have numerous opportunities to explore their interests in a variety of career pathways through courses, clubs & activities, and work-based learning experiences. They will monitor their progress using a variety of tools on Xello and also meet with their counselors throughout their high school career to evaluate progress on their plan.

## 4 Stages to Successful Academic and Career Planning (ACP)



As part of ACP, Westosha Central offers a variety of career pathways. A career pathway aligns education and training with the needs of the local job market, provides a range of postsecondary options, and helps students potentially enter or advance with an occupation with one or more industry-recognized credentials. The DPI has identified [sixteen career clusters and their pathways](#). Additionally, regions of the state have further identified the needs of local business and industry to recognize and align learning and training to specific [Regional Career Pathways](#). The Regional Career Pathways for M7, an area of southeastern Wisconsin, include the following:

- [Advanced Manufacturing](#)
- [Business Administration - Finance](#)
- [Construction](#)
- [Digital Technology](#)
- [Education and Training](#)
- [Patient Care](#)



# Curriculum Options and Opportunities

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## Alternative Education Opportunities:

**APEX/Edmentum:** APEX is a self-guided, comprehensive, online digital curriculum that delivers standard-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 other courses not offered by Westosha Central. While the program is self-guided, it is not self-paced and due dates need to be met for continued program enrollment. Counselors can provide additional information to students about the program.

**Falcon Academy:** Placement is based on IEP team participants, which includes the Director of Pupil Services and Falcon Academy Teacher. Coursework and activities are driven by the IEP and/or graduation requirements.

**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.

**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 Westosha Central's traditional school setting. The program focuses on students demonstrating proficiency of the essential standards in each required class. 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, and earn credit for work experience. 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 Based Learning Experience:** 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 Westosha Central High School Diploma. Students are recommended for the program through the 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>

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## AVID

**AVID Schoolwide:** Advancement Via Individualized Determination, or AVID, is a national, nonprofit college and career readiness system offered to students of all academic levels in grades K-12. AVID's mission is to close the opportunity gap by preparing all students for college and career readiness and success in a global society. AVID schoolwide at Westosha Central High School is an instructional framework that supports the school and district goals to prepare each and every student for their future. AVID empowers students with critical thinking and academic skills to support their success in their classes through an explicit focus on high expectations, while emphasizing the development and refinement of student competence in writing, inquiry, collaboration, organization, and reading, or WICOR.



**AVID Elective:** Westosha Central High School will be offering an AVID Elective course to students in grades 9-10 the 2024-2025 school year. Students who are selected and recruited for participation in the AVID Elective class have aspirations to take rigorous coursework to prepare them for college and careers. AVID Elective students possess the individual determination to work hard to achieve their goals. The AVID Elective class provides students with academic and social tools, time management and organizational strategies, and the structure to thrive with their rigorous coursework, leading to success in any postsecondary plan.

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## College Credit Opportunities:

**Advanced Placement Program:** WCHS 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:

[The College Board](#)

[What do I need to know about taking an AP course?](#)



**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](#)  
[Early College Credit Process](#)

**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. WCHS currently offers courses in the PLTW engineering and biomedical science programs. Please see individual course descriptions or a counselor for additional information.



**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<sup>st</sup> and spring semester are due October 1<sup>st</sup>. Students interested in Start College now should see their counselors.

[Start College Now Application and Instructions](#)  
[Start College Now Process](#)



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



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### **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>



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### **Virtual Learning:**

**Full Time Virtual Program:** Our virtual program, partnered with Wisconsin Virtual School, provides an opportunity for students to take all of their courses online and graduate with a Westosha Central High School diploma. Students participating in the virtual program are required to be enrolled in a minimum of four courses each trimester and no more than five. Students can choose the option of taking up to

two of those five 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](#)



**Vanguard Distance Learning:** [See Description in College Credit opportunities](#)

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## **Workforce Experience and Certification**

### **Certified Co-Ops**

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

### **Industry Certification**

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

- Advanced Marketing (Business)
- Adobe (Technology & Engineering)
- CISCO (Technology & Engineering)
- CNA (Certified Nursing Assistant) Certification [GTC program offered through WCHS]
- ProStart (Culinary Arts curriculum developed by the National Restaurant Association (FACS)
- Employability Skills Certificate (Business)
- Food Service Skills Certificate (FACS)
- MOS Certification (Business)
- 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)
- Woodwork Career Alliance Certification
- Youth Apprenticeship
- Technology & Engineering United Brotherhood of Carpenters (Technology & Engineering)
- ServSafe Certification (FACS)
- Mandated Reporter Training Certificate (FACS)
- Abusive Head Trauma Training (FACS)
- First Aid and Infant, Toddler, & Adult CPR and AED (FACS)
- WI Infant and Toddler Certification (FACS)

### **Internship Program**

Credits: 0.5 Per Trimester

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. Listed below are required components to a successful completion of the Internship program:

- Students are responsible for finding employment for external internships
- School Store (Falcon's 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 and Innovation

**Job Corps:** [See description in Alternative Education](#)

**Work Based Learning Experience:** [See description in Alternative Education](#)

### Work Experience

Credits: .5 trimester

Westosha Central High School offers a work experience program through the Business Education department. Students participating in the program earn .5 credits per trimester. 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 school year
- Take and pass the Employability Skills class (APEX does not meet this requirement)
- Secure and maintain employment
- Complete an application and training agreement prior to enrollment.

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

### Youth Apprenticeship

Credits: 1.5 (For full year work placement)

Laude Points: 3.0 (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 Opportunities:**

### **Community Service Credit**

Credit :0.5     Grade: 9, 10, 11, 12

Prereq: Must meet eligibility criteria and have approval (see counselor) \*cannot be repeated\*

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 Westosha 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 and can only be earned once.

### **Freshman Mentoring Program (FMP)**

Credit: .25 (per trimester)     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 WCHS 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 Registration- Expo Night
- 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.

### **Student Aides:**

#### **Library Aide/AVC Aide**

Credit: .25 (per trimester)     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 trimester)     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.

## Student Services Aide

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

Prereq: Must meet eligibility criteria and have Teacher recommendation. The grade for this course will not be factored into a student's GPA.

## Tutoring Practicum

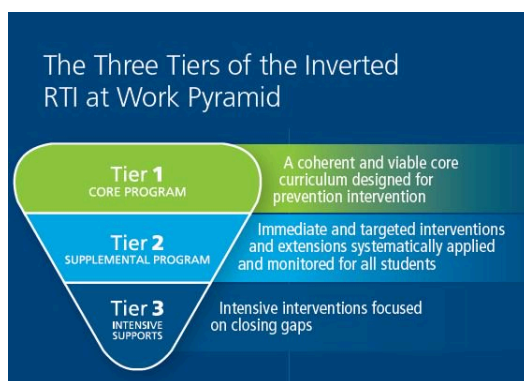
Credit: .5 (per trimester) Grade: 11, 12

Prereq: Must meet eligibility criteria and have Teacher recommendation

Students can receive .5 credit per trimester 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 where they work with students in need of academic assistance. The grade for this course will not be factored into a student's GPA.

# Response to Intervention (RTI)

At Westosha Central, we utilize a response to intervention (RTI) framework to ensure that all students have the support that they need to achieve at high levels. RTI focuses on providing high-quality instruction and interventions in the areas of academics and behavior. All students receive high-quality classroom instruction, and then some students need some additional support to master the skills they are learning in class. This extra support can be in the form of additional small group or individualized instruction that is tailored to the student's needs. At Westosha Central, these interventions can be in the form of small group, individual, and/or specific classes geared towards a child's needs. If you have questions or feel your child would benefit from this level of additional support, please contact your school counselor.



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# 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, cafetorium, 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 & Seniors – Can be granted 1 period each trimester

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 trimester'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 trimester
- 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).

## Award Levels

There are three levels of awards:

- Summa Cum Laude
- Magna Cum Laude
- Cum Laude

## Minimum GPA

To be considered for a Laude award, a student must have a cumulative GPA of 3.4 (no rounding) at the end of 1st trimester senior year.

## Laude Score

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 first trimester of senior year. Laude Points are awarded for each Laude recognized trimester course completed with an academic grade of B- or better.

**Laude Score = GPA x Laude Points**

## Laude Points

1.5 Laude Points will be awarded for every .5 Advanced Placement credit earned with a grade of B- or better. For all other Laude courses, 1 Laude Point will be awarded for every .5 credit earned with a grade of B- or better.

## Laude Courses

To determine if a course is eligible for Laude Points see its course description or the Course Listing in the Career and Course Guide. Please note 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.

## Score Banks

There will be no rounding of Laude Scores.

- 100+ for Summa Cum Laude
- 75+ for Magna Cum Laude
- 25+ for Cum Laude
- There may be some students who will need to be considered on a case-by-case basis, such as students who study a year abroad or graduate early.

## Sample

GPA = 3.761

Courses: English 9 Honors (2), English 10 Honors (2), AP English Literature (3), Personal Finance (1), Microsoft Academy (1), 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 I (2), = 33 points















**Calculation:  $3.761 \times 33 = 124.11$  Summa Cum Laude**





















**\* You can check your Laude point total on Infinite Campus. Please see your counselor with questions\***





























## Course Listing





**\*courses are listed alphabetically by department and then by course title\***















Course Name	Trimester/s	Credit
<a href="#">Art and Design</a>	All courses 2 Trimesters (1 credit) unless noted otherwise	
2D Art & Design		
2D Cartooning & Illustration		
2D Digital Photography		
2D Digital Photography Advanced 		
2D Digital Video	1 Trimester	0.5
2D Digital Video Advanced 	1 Trimester	0.5
3D Ceramics		
3D Ceramics Advanced 		
3D Sculpture		
3D Sculpture Advanced 		
AP Art & Design Drawing and Painting 		
AP 2D Art & Design 		
AP 3D Art & Design 		
AP Art History 		
Drawing and Painting		
Drawing & Painting Advanced 		
<a href="#">Business &amp; Marketing</a>	All courses 2 Trimesters (1 credit) unless noted otherwise	
Accounting	Trimester	0.5
Accounting II	Trimester	0.5
Accounting Principles  		
Advanced Marketing   		
Advanced Sports & Entertainment Marketing	Trimester	0.5































Business & Personal Law		Trimester	0.5
Employability Skills		Trimester	0.5
Falcon Financial Internship		2-3 Trimesters	Up to 1.5
Intro to Business Marketing	 	Trimester	0.5
Management & Entrepreneurship		Trimester	0.5
Marketing		Trimester	0.5
Microsoft Academy	  	Trimester	0.5
Personal Finance	 	Trimester	0.5
School Store Internship		2-3 Trimesters	Up to 1.5
Sports & Entertainment Marketing	 	Trimester	0.5
Web Design & Social Media		Trimester	0.5
Work Experience		2-3 Trimesters	Up to 1.5
<a href="#">English</a>		All courses 2 Trimesters (1 credit) unless noted otherwise	
AP English Language and Composition			
AP English Literature and Composition			
Creative Writing I		Trimester	0.5
Creative Writing II		Trimester	0.5
College English Composition	 		
English 9			
English 9 Honors			
English 10			
English 10 Honors			
English 11: Contemporary Literature & Composition		Trimester	0.5
English 11: Early American Literature & Composition		Trimester	0.5
English 11 Honors: Contemporary Literature & Composition		Trimester	0.5
English 11 Honors: Early American Literature & Composition		Trimester	0.5
English 12: Belief & Dystopia		Trimester	0.5
English 12: War & Survival		Trimester	0.5

English 12 Honors: Belief & Dystopia 	Trimester	0.5
English 12 Honors: War & Survival 	Trimester	0.5
English: Studies in Diversity and Multiculturalism		
English: Studies in Diversity and Multiculturalism Honors 		
Intro to Human Communication Honors 	Trimester	0.5
Yearbook <b>(Elective Credit)</b>	3 Trimesters	1.5
<a href="#"><u>Family Consumer Sciences</u></a>	All courses 2 Trimesters (1 credit) unless noted otherwise	
Advanced Medical Terminology 	Trimester	0.5
Baking and Pastry Arts 	Trimester	0.5
Childcare Career Co-Op   	Trimester	Up to 1.5
Child Development 		
Culinary Career Co-Op  	Trimester	Up to 1.5
Culinary Skills I		
Culinary Skills II   		
Culinary Skills III   		
Early Childhood: Health, Safety, & Nutrition   	Trimester	0.5
Early Childhood: Guidance & Curriculum 	Trimester	0.5
Fashion Engineering & Design I		
Fashion Engineering & Design II		
Fashion Engineering & Design III		
Food Science <b>(Science Credit)</b>		
Foundations of Early Childhood Education/ ACCT   	Trimester	0.5
History of Furniture and Decorative Arts 	Trimester	0.5
Interior Design 	Trimester	0.5
International Foods	Trimester	0.5
Introduction to Health Occupations	Trimester	0.5
Introduction to Hospitality 	Trimester	0.5
Intro to Medical Terminology	Trimester	0.5



















Nutrition for Sports & Life		Trimester	0.5
Relationship Smarts		Trimester	0.5
Senior Strategies			
<a href="#">Information Technology</a>		All courses 2 Trimesters (1 credit) unless noted otherwise	
AP Computer Science Principles 			
IT Essentials 			
Web Design & Social Media		Trimester	0.5
<a href="#">Mathematics</a>		All courses 2 Trimesters (1 credit) unless noted otherwise	
Algebra I			
Algebra II			
AP Calculus AB 			
AP Calculus BC 		3 Trimesters	Up to 1.5
AP Computer Science Principles <b>(Elective Credit)</b> 			
AP Statistics 			
Applied Math I 		Trimester	0.5
Applied Math II		Trimester	0.5
Geometry			
Intro to Algebra <b>(Elective Credit)</b>		1 Trimester	0.5
Precalculus			
Precalculus Honors 			
Probability & Statistics		Trimester	0.5
Trigonometry		Trimester	0.5
<a href="#">Music</a>		All courses 2 Trimesters (1 credit) unless noted otherwise	
AP Music Theory 		2 Trimesters	1
Central Swing, Inc. 		3 Trimesters	1.5
Choraliers		3 Trimesters	1.5
Concert Band		3 Trimesters	1.5
Concert Choir 		3 Trimesters	1.5
Girls Ensemble		3 Trimesters	1.5

Honors Wind Ensemble	🏅	3 Trimesters	1.5
Jazz Central	🏅	3 Trimesters	1.5
Marching Band <b>(Activity)</b>			0
Music Appreciation		Trimester	0.5
Symphonic Band		3 Trimesters	1.5
Vocal Jazz	🏅	3 Trimesters	1.5
<a href="#">Physical Education</a>		All courses 2 Trimesters (1 credit) unless noted otherwise	
Advanced Health; CPR, First Aid, & Self Defense <b>(Elective Credit)</b>	🏅	Trimester	0.5
Adventure Education		Trimester	0.5
Fit for Life I		Trimester	0.5
Fit for Life II		Trimester	0.5
Fit for Life III	🏅	Trimester	0.5
Fit for Life IV	🏅	Trimester	0.5
Health		Trimester	0.5
Team Sports- Indoors		Trimester	0.5
Team Sports- Outdoors		Trimester	0.5
Team Sports III Coaching & Officiating	🏅	Trimester	0.5
Weights & Fitness I		Trimester	0.5
Weights & Fitness II		Trimester	0.5
Weights & Fitness III	🏅	Trimester	0.5
Weights & Fitness IV	🏅	Trimester	0.5
<a href="#">Science</a>		All courses 2 Trimesters (1 credit) unless noted otherwise	
AP Biology	🏅	3 Trimesters	1.5
AP Chemistry	🏅	3 Trimesters	1.5
AP Environmental Science	🏅		
AP Physics I	🏅	3 Trimesters	1.5
AP Physics II	🏅		
Astronomy & Meteorology		Trimester	0.5
Biology			
Biology Honors	🏅		

Botany		Trimester	0.5
Chemistry			
Environmental Science			
Food Science			
Forensic Science		Trimester	0.5
Foundations of Chemistry		Trimester	0.5 each (not intended to be taken independently)
Foundations of Physics		Trimester	
Physics			
PLTW Human Body Systems			
PLTW Principles of Biomedical Science			
PLTW Principles of Engineering (POE)			
<u>Social Studies</u>		All courses 2 Trimesters (1 credit) unless noted otherwise	
AP Government			
AP Human Geography			
AP Macroeconomics		Trimester	0.5
AP Microeconomics		Trimester	0.5
AP Psychology			
AP US History			
AP World History: Modern			
Global Studies			
Government		Trimester	0.5
Macroeconomics (Fall)		Trimester	0.5
Microeconomics (Spring)		Trimester	0.5
Psychology		Trimester	0.5
Sociology		Trimester	0.5
US History			
<u>Technology &amp; Engineering</u>		All courses 2 Trimesters (1 credit) unless noted otherwise	
Building Trades I: Intermediate Carpentry			
Building Trades II: Advanced Carpentry			

Foundations of Building Trades & Wood Products Manufacturing		
Graphics Communication I		
Graphics Communication II 		
Graphics Communication III 		
Graphics Communication IV 		
IT Essentials  		
Metals I  		
Metals II  		
Metals III  		
Metals IV 		
PLTW Aerospace Engineering 		
PLTW Civil Engineering & Architecture (CEA)  		
PLTW Engineering Essentials (EES) 		
PLTW Principles of Engineering (POE)  		
Screen Printing Production		
SolidWorks Drafting  		
SolidWorks Drafting II  		
Women & Woodworking		
Wood Products Manufacturing: Advanced: Cabinet Making & Millwork   		
Wood Products Manufacturing Capstone  		
Wood Products Manufacturing Intermediate: Machines, Skills, & Processes		
3D Computer Animation I		
3D Computer Animation II		
3D Printing	Trimester	0.5
3D Printing II	Trimester	0.5
<a href="#">World Language</a>	All courses 2 Trimesters (1 credit) unless noted otherwise	
AP French Language & Culture 		
AP German Language & Culture 		
AP Spanish Language & Culture 		



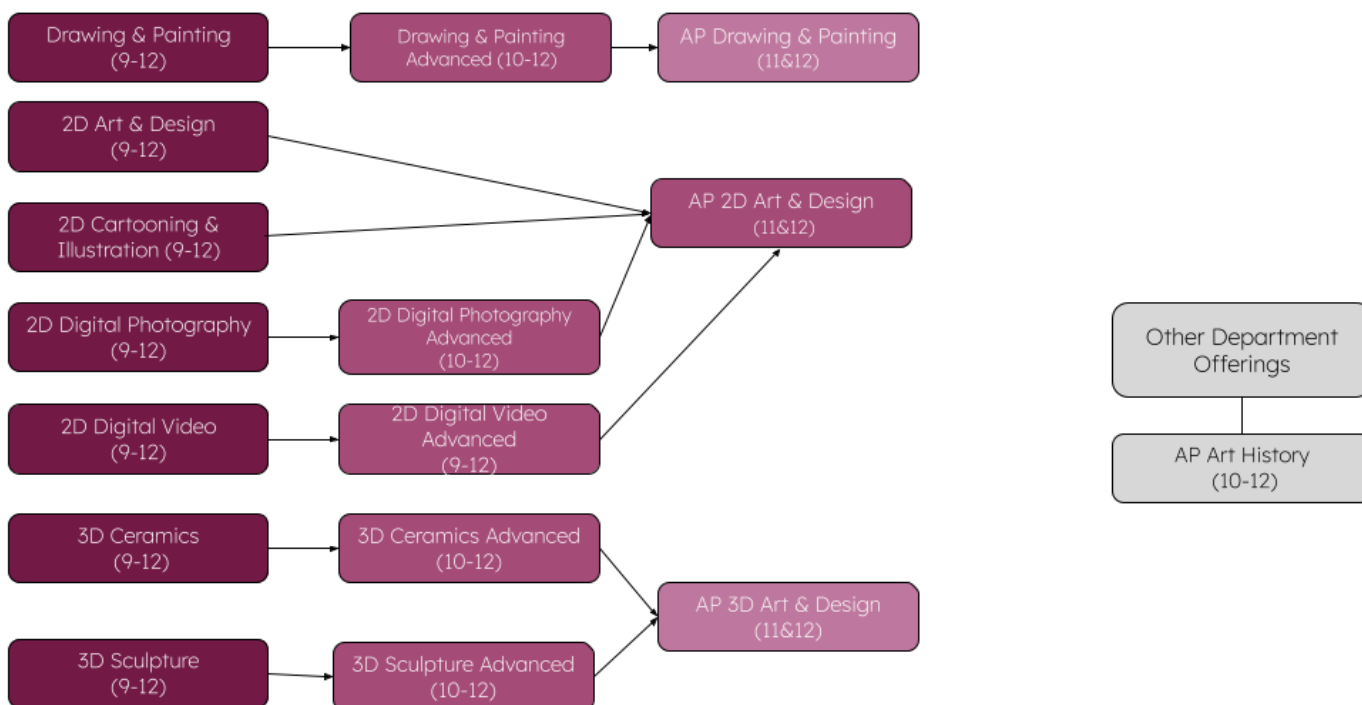
AP Spanish Literature & Culture			
French I			
French II			
French III Honors			
German I			
German II			
German III Honors			
Global Languages and Perspectives (Blended)		Trimester	0.5
Language Immersion Seminar		Trimester	0.5
Spanish I			
Spanish II			
Spanish III Honors			
Spanish IV Honors			
<a href="#">Vanguard</a>		All courses 2 Trimesters (1 credit) unless noted otherwise	
American Sign Language I <b>Online</b> (Fall)		Trimester	0.5
American Sign Language II <b>Online</b> (Spring)		Trimester	0.5
American Sign Language III <b>Online</b> (Fall)		Trimester	0.5
American Sign Language IV <b>Online</b> (Spring)		Trimester	0.5
Construction Project Management <b>Online</b> (Spring)		Trimester	0.75
Deaf History (Spring) ( <b>Online</b> )		Trimester	0.5
Game Programming I <b>Online</b> (Spring)		Trimester	0.75
Google IT Support Professional I <b>Online</b> (Fall)		Trimester	0.5
Google IT Support Professional II <b>Online</b> (Spring)		Trimester	0.75
Intro to Programming & Database <b>Online</b> (Fall)		Trimester	1
Introduction to Sociology <b>Online</b>		Trimester	0.75
Java Programming I <b>Online</b>		Trimester	0.75
Microcomputer Programming Advanced <b>Online</b> (Spring)		Trimester	0.75
Mobile Device Application Programming <b>Online</b> (Fall)		Trimester	0.75

Web Programming I (Online)		Trimester	0.75
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**\*Please check course descriptions below for more information\***

# Art Department

Graduation Requirements: counts towards 8.5 total elective credits



## 2D ART & DESIGN

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: Additional fees required.**

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

## 2D CARTOONING & ILLUSTRATION

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

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

As a student in 2D Digital Photography Advance, you will create a portfolio demonstrating a developed aesthetic judgment 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     **GRADE:** 10-12  
**PREREQUISITE:** Digital Photography OR teacher approval

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## 2D DIGITAL VIDEO

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

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## 2D ADVANCED DIGITAL VIDEO

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     **GRADE:** 9-12  
**PREREQUISITE:** Digital Video OR teacher approval

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## 3D CERAMICS

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:** Additional fees required.

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

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## 3D CERAMICS ADVANCED

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:** Additional fees required.

**CREDIT:** 1.0     **TYPE:** Laude     **GRADE:** 10-12  
**PREREQUISITE:** 3D Ceramics OR teacher approval

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## 3D SCULPTURE

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

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## 3D SCULPTURE ADVANCED

As a student in 3D Sculpture Advance, you will create a portfolio of work demonstrating a developed aesthetic judgment 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**

**PREREQUISITE: 3D Sculpture OR teacher approval**

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

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                                      GRADE: 11-12**  
**TYPE: Advanced Placement/Laude**  
**PREREQUISITE: Minimum of two Art courses or Teacher Approval**

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

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                                      GRADE: 11-12**  
**TYPE: Advanced Placement/Laude**  
**PREREQUISITE: Teacher Approval**

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

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                                      GRADE: 11-12**  
**TYPE: Advanced Placement/Laude**  
**PREREQUISITE: Teacher Approval**

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## **AP ART HISTORY**

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 in the 2024-2025 school year.

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

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

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## **DRAWING AND PAINTING**

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**

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## **DRAWING & PAINTING ADVANCED**

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.**

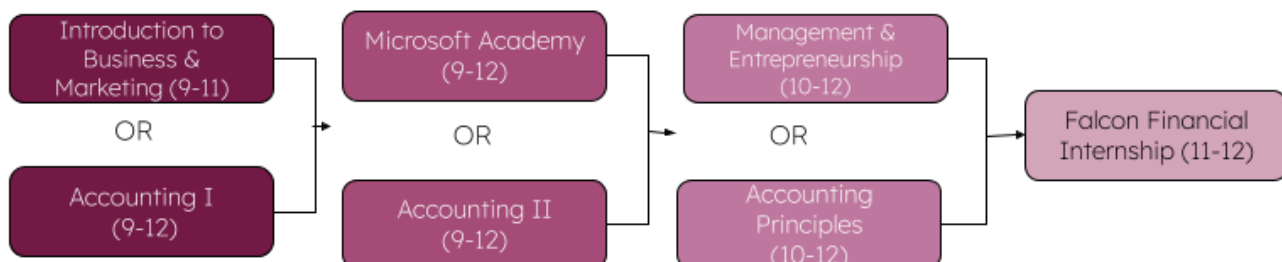
**CREDIT: 1.0      TYPE: Laude      GRADE: 10-12**  
**PREREQUISITE: Drawing and Painting OR teacher approval**

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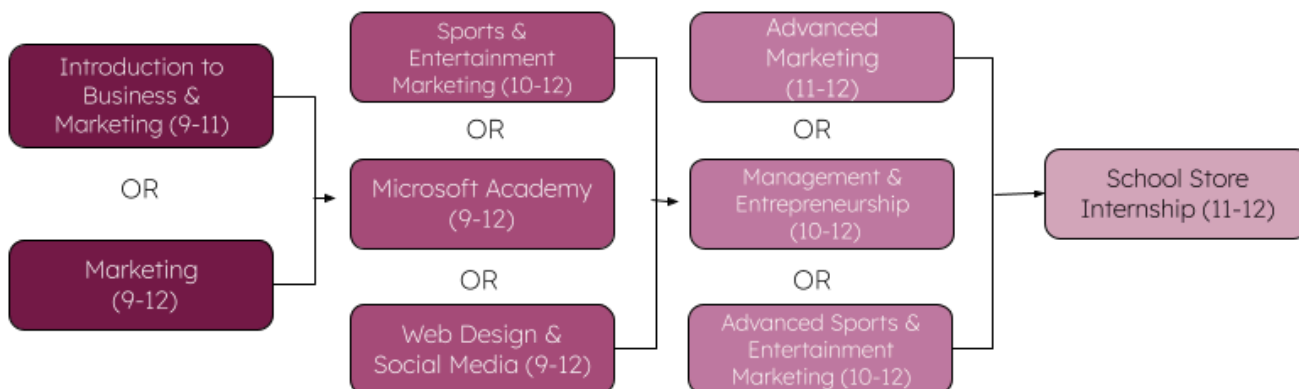
# Business and Marketing Department

Graduation Requirements: 0.5 Credits of Personal Finance

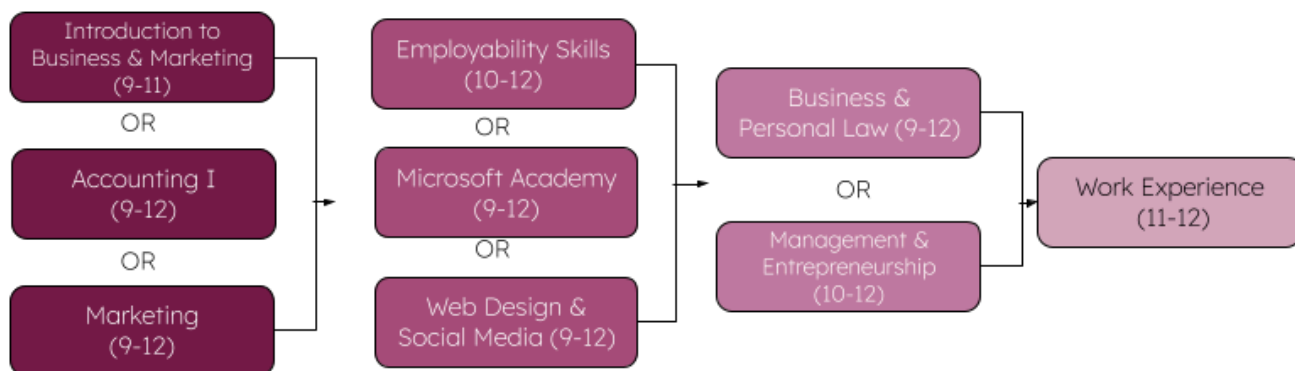
## Finance



## Marketing



## General Business



Other Department Offerings

Personal Finance (11-12)



## ACCOUNTING

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.

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

## ACCOUNTING II

Accounting II is the next level accounting class that takes previous knowledge learned in Accounting, and applies it to a merchandising corporation. The course provides an understanding of the basic elements and concepts of double-entry accounting systems. Principles are applied in both manual and computerized situations. Students will become familiar with the use of business papers and reports involved in keeping financial records and will develop skills to analyze and interpret information common to a merchandising corporation.

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

**PREREQUISITE: Accounting I**

## ACCOUNTING PRINCIPLES

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      GRADE: 10-12**

**TYPE: Gateway Transcribed/Laude**

**PREREQUISITE: Accounting I**

## ADVANCED MARKETING

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. Initially, students will be focusing on Promotion, Market Research, Visual Merchandising before moving on to implementing solutions with businesses in the local community. In the second trimester of the course, students will delve into 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**

**GRADE: 11-12**

**TYPE: Gateway Transcribed/Laude**

**PREREQUISITE: Marketing with a C or higher OR teacher approval**

## ADVANCED SPORTS & ENTERTAINMENT MARKETING

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**



## BUSINESS & PERSONAL LAW

Business & Personal Law is a trimester 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. Students will also participate in civil and criminal mock trials. This class gives students knowledge of basic law principles to apply to their life after high school.

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

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## EMPLOYABILITY SKILLS

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**



## FALCON FINANCIAL INTERNSHIP

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 Westosha 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.

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

## INTRODUCTION TO BUSINESS & MARKETING

Introduction to Business and Marketing is a course 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**      **GRADE: 9-11**

**TYPE: Gateway Transcribed/Laude**

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## MANAGEMENT & ENTREPRENEURSHIP

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 trimester.

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

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## MARKETING

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 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**

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## MICROSOFT ACADEMY

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](http://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      GRADE: 9-12**

**TYPE: Gateway Transcribed/Laude**

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## PERSONAL FINANCE

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      GRADE: 11-12**

**TYPE: Gateway Transcribed/Laude**



## SCHOOL STORE INTERNSHIP

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 OR teacher recommendation.**  
**Application/interview for acceptance. Must also be enrolled in Advanced Marketing**

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## SPORTS & ENTERTAINMENT MARKETING

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 and Project Based Learning on Promo and planning, organizing, implementing and evaluating an event or project. Students are encouraged to become active members of FBLA and DECA; national student organizations in business or marketing education.

**CREDIT: 0.5      GRADE: 10-12**  
**TYPE: Gateway Transcribed/Laude**  
**PREREQUISITE: Marketing**

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## WEB DESIGN & SOCIAL MEDIA

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 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**

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## WORK EXPERIENCE

Westosha Central High School offers a .5 credit per trimester 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:

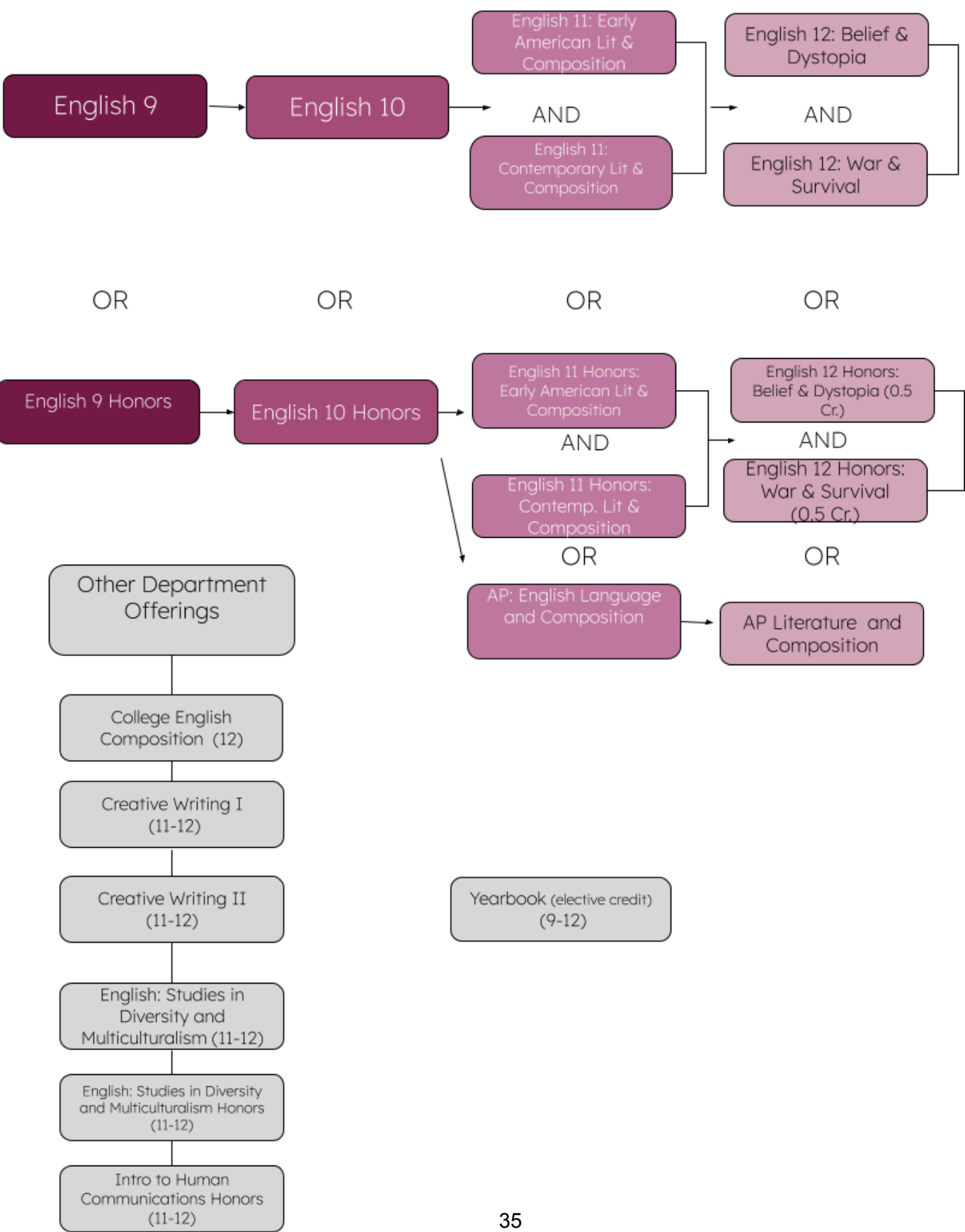
- Current 2.0 GPA or higher and maintain a 2.0 GPA or higher while in the program
- Achieve Junior or Senior status
- Have no failing grades during the current school year
- Take and pass the Employability Skills class (APEX does not meet this requirement)
- Secure and maintain employment with one employer
- Students enrolled in the Work Experience program will be expected to:
- Complete an application and training agreement. 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 must reapply each trimester if they wish to continue.

**CREDIT: 0.5/trimester      TYPE: Regular      GRADE: 11-12**  
**PREREQUISITE: Employability Skills (can be taken during the same trimester as Work Experience)**

# English Department

Graduation Requirements: 4.0 English Credits



## AP ENGLISH: LANGUAGE AND COMPOSITION

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** **GRADE: 11**  
**TYPE: Advanced Placement/Laude**  
**PREREQUISITE: English 10 Honors with a B OR teacher approval**

## AP ENGLISH: LITERATURE AND COMPOSITION

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. Early on, 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.

**COURSE NOTE: Will require additional fees (approx. \$80.00).**

**CREDIT: 1.0** **GRADE: 12**  
**TYPE: Advanced Placement/Laude**  
**PREREQUISITE: An English Honors course the previous year with a B OR teacher approval**

## CREATIVE WRITING I

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 workshopping them. Students need to understand that the class is equivalent in rigor to any other credit-fulfilling junior or senior English class.

**CREDIT: 0.5** **TYPE: Regular** **GRADE: 11-12**  
**PREREQUISITE: English 10**

## CREATIVE WRITING II

This trimester-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 WCHS Literary Journal, from typewetting to image preparation.

**CREDIT: 0.5** **TYPE: Regular** **GRADE: 11-12**  
**PREREQUISITE: Creative Writing I**

## COLLEGE ENGLISH COMPOSITION

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** **GRADE: 12**  
**TYPE: Gateway Transcribed/Laude**  
**PREREQUISITE: 11th Grade English with a B or higher.**

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## ENGLISH 9

English 9 is a yearlong course that emphasizes reading comprehension of literature and informational texts, the process of writing creative, expository and analytical or argumentative essays, acquiring vocabulary strategies, improving grammar concepts, using poetic and literary devices, and developing 21st century literary skills. These activities will occur in thematic based units.

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

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## ENGLISH 9 HONORS

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 approval**

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## ENGLISH 10

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.

**CREDIT: 1.0** **TYPE: Regular** **GRADE: 10**  
**PREREQUISITE: English 9**

## ENGLISH 10 HONORS

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 English honors and AP courses in their junior year.

**CREDIT: 1.0** **TYPE: Honors/Laude** **GRADE: 10**  
**PREREQUISITE: English 9 with a B OR teacher approval.**

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## ENGLISH 11: CONTEMPORARY LITERATURE AND COMPOSITION

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**

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## ENGLISH 11: EARLY AMERICAN LITERATURE AND COMPOSITION

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 HONORS: CONTEMPORARY LITERATURE AND COMPOSITION

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: English 10 Honors with a B or higher OR teacher approval**



## ENGLISH 11 HONORS: EARLY AMERICAN LITERATURE AND COMPOSITION

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: English 10 Honors with a B or higher OR teacher approval**

## ENGLISH 12: BELIEF AND DYSTOPIA

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, belief systems 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

This course combined with English 12: Belief 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, belief systems 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: BELIEF AND DYSTOPIA

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: English 11 Honors with a B or higher OR teacher recommendation.**

## ENGLISH 12 HONORS: WAR AND SURVIVAL

This course, combined with English 12 Honors Belief 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: English 11 Honors with a B or higher OR teacher recommendation.**

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

This course fulfills 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 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 10**

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### **ENGLISH: STUDIES IN DIVERSITY AND MULTICULTURALISM HONORS**

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. 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 GRADE: 11-12**  
**TYPE: Honors/Laude PREREQUISITE: English 10**

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

This is a rigorous one trimester course for juniors and seniors 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 GRADE: 11-12**  
**TYPE: Honors/Laude**  
**PREREQUISITE: English 10**

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### **YEARBOOK**

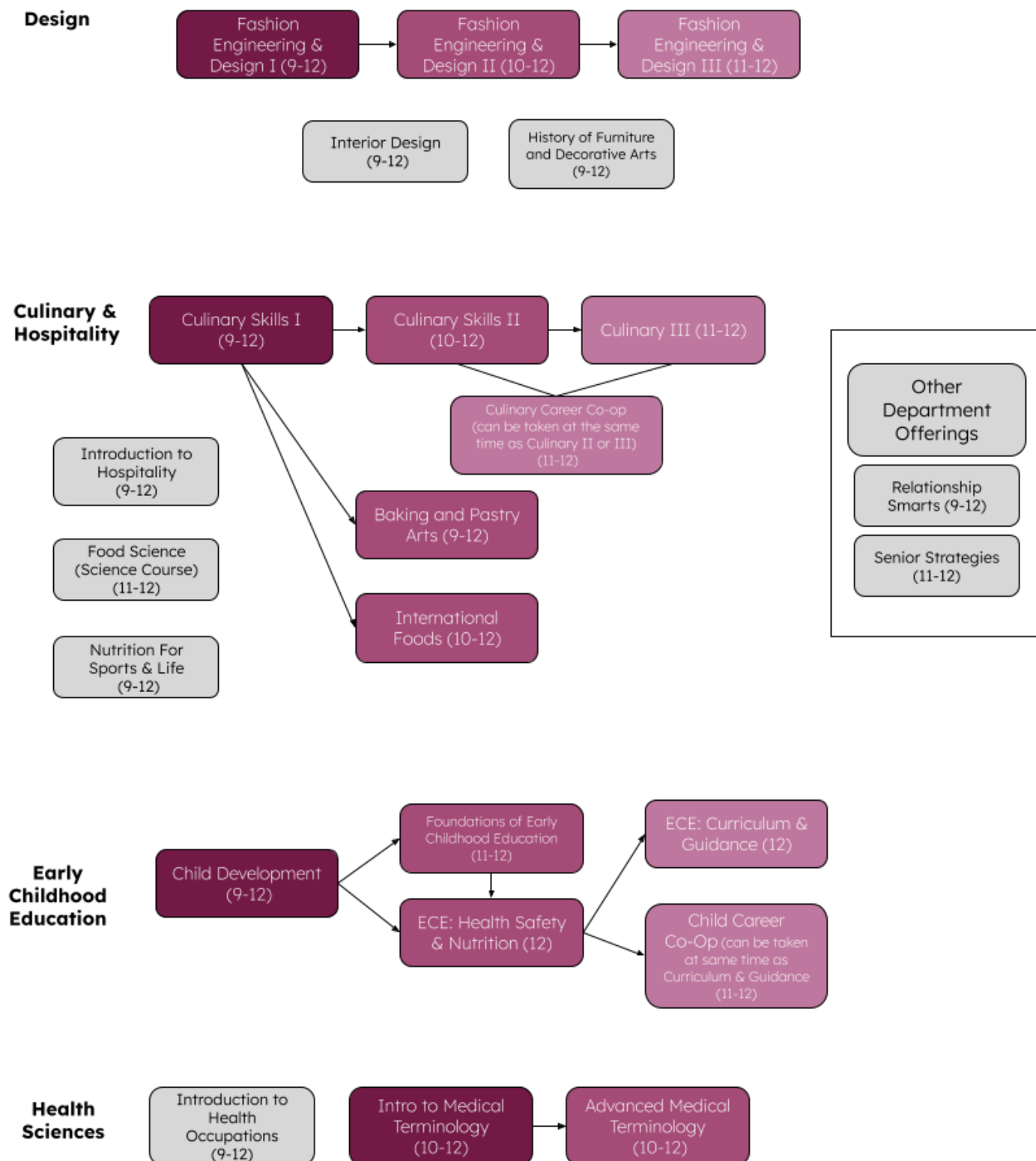
Yearbook is an elective that offers students experience in print media publishing. This course works toward the completion and sale of Westosha Central High School's yearbook. Yearbook class is different from most in that it is a real business maintaining an account that must balance at the end of each 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 and can be taken all 4 years.**

**CREDIT: 1.5 TYPE: Regular GRADE: 9-12**

# Family & Consumer Science Department

Graduation Requirements: counts towards 8.5 total elective credits





## ADVANCED MEDICAL TERMINOLOGY

Students will immerse themselves within the structure of medical language, describe categories of disease and techniques of examination, identify body directions and cavities, give medical meaning of medical abbreviations associated within each body system, identify and describe common diseases and conditions of the body systems, identify and describe common drug categories, and be able to spell and pronounce medical words associated with the body systems. If completed successfully, the student can earn three college credits through Gateway Technical Institute.

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

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

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## BAKING AND PASTRY ARTS

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.

**COURSE NOTE: Additional fees required.**

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

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## CHILD CAREER CO-OP

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: 0.5 Credits per trimester      GRADE: 11-12**

**TYPE: Gateway Transcribed/Laude**  
**PREREQUISITE: Foundations of Early Childhood Education/ACCT**  
**COREQUISITES: Childcare: Health, Safety & Nutrition OR teacher approval**

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## CHILD DEVELOPMENT

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      GRADE: 9-12**

**TYPE: Gateway Transcribed/Laude**

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## CULINARY CAREER CO-OP

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.

**COURSE NOTE: Repeatable credit for 11th and 12th grade.**

**CREDIT: 1.5      TYPE: Laude      GRADE: 11-12**

**PREREQUISITE: Culinary I**

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## CULINARY SKILLS I

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: Additional fees required.**

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

## CULINARY SKILLS II

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:** Additional fees required.

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

**TYPE:** Gateway Transcribed-2 Courses/Laude

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



## CULINARY SKILLS III

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:** Additional fees required.

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

**TYPE:** Gateway Transcribed/Laude

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



## EARLY CHILDHOOD: HEALTH, SAFETY, & NUTRITION

Early Childhood: Health, Safety & Nutrition uses Gateway Technical College curriculum, which in turn allows the student to earn dual/transcribed credit. This course examines the topics of health, safety, and nutrition within the context of the early childhood educational setting. If a student enrolls in the Child Career Co-op, they must take this course and Early Childhood: Guidance & Curriculum simultaneously to earn the State Certification as a Child Care Teacher. The experience and knowledge gained is valuable to students interested in any career working with children!

**CREDIT:** 0.5

**GRADE:** 12

**TYPE:** Gateway Transcribed/Laude

**PREREQUISITE:** Child Development

## EARLY CHILDHOOD: GUIDANCE & CURRICULUM

Early Childhood: Guidance & Curriculum will provide instruction in the knowledge and technical skills specifically needed for working with young children in a child care or educational setting. The course includes guidance techniques and practice, as well as early childhood lesson development. By taking this course (AND Early Childhood: Health, Safety, & Nutrition) alongside 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:** 0.5

**GRADE:** 12

**TYPE:** Gateway Transcribed/Laude

**PREREQUISITE:** Foundations of Early Childhood Education/ACCT and Early Childhood: Health Safety & Nutrition



## FASHION ENGINEERING & DESIGN I

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:** Additional fees required.

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

## FASHION ENGINEERING & DESIGN II

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:** Additional fees required.

**CREDIT:** 1.0      **TYPE:** Regular      **GRADE:** 10-12  
**PREREQUISITE:** Fashion Engineering & Design I OR teacher approval

## FASHION ENGINEERING & DESIGN III

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:** Additional fees required.

**CREDIT:** 1.0      **TYPE:** Regular      **GRADE:** 11-12  
**PREREQUISITE:** Fashion Engineering & Design II

## FOOD SCIENCE

**SEE SCIENCE DEPARTMENT FOR DESCRIPTION OF COURSE - PAGE 61**

## FOUNDATIONS OF EARLY CHILDHOOD EDUCATION/ACCT

Foundations of Early Childhood Education/ ACCT introduces the early childhood profession by exploring program trends, quality indicators, and developmentally appropriate practices for children birth to 8 years of age. Students will integrate knowledge, skills, and practices required for careers in early childhood education and services, preparing them to work with young children. Having successfully completed the requirements, the student will be certified to work as an Assistant Teacher in a childcare facility prior to graduation. If completed during the junior year, students will be qualified to work on their Childcare Teacher Certification their senior year. They will also have completed the first half of the Group Child Care Essentials certification via credits from Gateway.

**CREDIT:** 0.5      **GRADE:** 11-12  
**TYPE:** Gateway Transcribed/Laude  
**PREREQUISITE:** Child Development OR teacher approval.

## HISTORY OF FURNITURE AND DECORATIVE ARTS

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      **GRADE:** 9-12  
**TYPE:** Gateway Transcribed/Laude



## INTERIOR DESIGN

This course will provide the beginning college student with the fundamentals of interior design. Students will explore the elements and principles of art and design as they are applied to interior environments. The learner will gain knowledge of basic concepts in the design process, human ecology, space planning, selected finishes and furnishings and design communications techniques. The student is encouraged to explore by using actual samples of textiles, wallpapers, wood, and other related materials which contribute to a total environment. This is a Gateway Transcribed Course.

**COURSE NOTE:** Additional fees required.

**CREDIT:** 0.5

**GRADE:** 9-12

**TYPE:** Gateway Transcribed/Laude

## INTERNATIONAL FOODS

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:** 10-12

**PREREQUISITE:** Culinary Skills IA



## INTRODUCTION TO HEALTH OCCUPATIONS

Welcome to the Field of Health Science! This course is a pathway-focused program that explores the variety of healthcare careers. The learner will acquire essential knowledge, skills, and attributes necessary to be employed in the healthcare industry. There is a focus on culture, ethics, confidentiality, legal issues,

responsible behaviors, and spoken and written communication. The learner will investigate roles and responsibilities of a variety of career options within the healthcare industry. Students may job shadow in a variety of careers; in hospitals, clinics and long term care facilities as well as the education, research, and wellness fields, or students may invite a Healthcare Professional as a guest speaker.

**Career Clusters:** Health Services

**CREDIT:** 0.5

**TYPE:** Regular

**GRADE:** 9-12

## INTRODUCTION TO HOSPITALITY

Ever consider what it would take to run a hotel or theme park? What about planning a wedding or corporate event? The hospitality industry is what brings all of these careers together. In this class, students will explore the hospitality industry through the key industry segments: Travel/ Lodging, Event Planning, Restaurant/ Food Service, and Recreation. With an emphasis on customer service, this class prepares students to interact with people, covering social and corporate etiquette. Students will learn about trends in addition to varied career opportunities in this industry.

**CREDIT:** 0.5

**GRADE:** 9-12

**TYPE:** Gateway Transcribed/Laude

## INTRO TO MEDICAL TERMINOLOGY

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

## NUTRITION FOR SPORTS & LIFE

Nutrition for Sports & Life informs the health-conscious student about the body processes and systems while increasing student knowledge on topics relating to nutrition. The course will unveil the misconceptions related to health trends and products. Whether a student is getting ready for a meet, race, match, big game, or test, this course will help students reach their best level of health. Although food preparation is not a primary goal of this class, food will occasionally be incorporated so that students can learn how to choose healthy and delicious meals and snacks. The class will focus on the body's positive response to quality preparation - within the high school years and throughout a lifetime.

**COURSE NOTE: Additional fees required.**

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

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### RELATIONSHIP SMARTS

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 required.**

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

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### SENIOR STRATEGIES

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: Additional fees required.**

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



# Information Technology Courses

Graduation Requirement: counts towards 8.5 total elective credits

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**Available  
Beginning in  
Grade 9**

IT Essentials (9-12)

Web Design and  
Social Media (9-12)

**Available  
Beginning in  
Grade 10**

AP Computer Science  
Principles (10-12)

## AP COMPUTER SCIENCE PRINCIPLES

**This course will count as an elective credit, not a math credit.**

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.

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

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## IT ESSENTIALS

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** **GRADE: 9-12**  
**TYPE: Gateway Transcribed/Laude**

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## WEB DESIGN & SOCIAL MEDIA

**SEE BUSINESS AND MARKETING DEPARTMENT  
FOR FULL DESCRIPTION PG 34.**

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

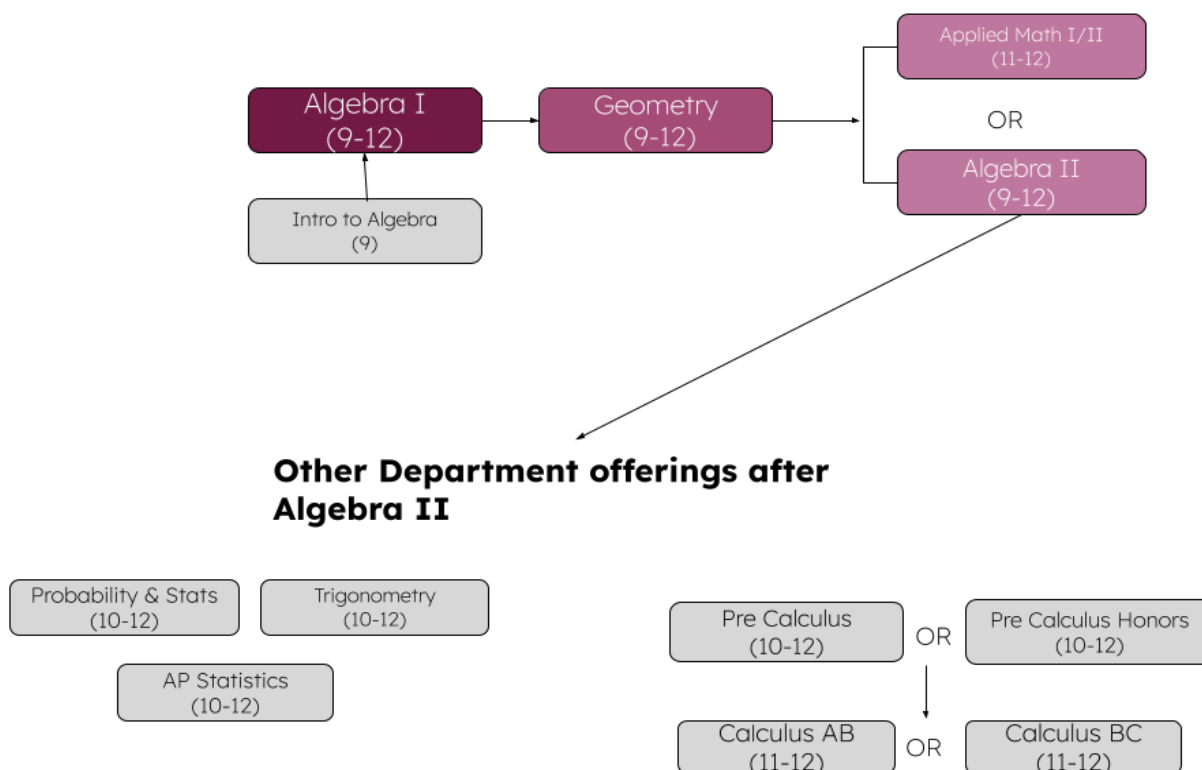
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# Mathematics Department

Graduation Requirements: 3 Credits:

**Algebra I, Geometry, and Algebra II or Other Math Elective**



## ALGEBRA I

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**

## ALGEBRA II

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, and 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 to 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 embeds the CCSS Standards for Mathematical Practice as an integral part of the lessons in the course.

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

**PREREQUISITE:** Geometry or concurrently taking Geometry  
OR teacher recommendation.

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## AP CALCULUS AB

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                      **GRADE:** 11-12  
**TYPE:** Advanced Placement/Laude  
**PREREQUISITE:** Pre-Calculus or Honors  
\*A TI-84 graphing calculator is required\*

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## AP CALCULUS BC

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:** 1.5                      **GRADE:** 11-12  
**TYPE:** Advanced Placement/Laude  
**PREREQUISITE:** Pre-Calculus with a B or higher  
\*A TI-84 graphing calculator is required\*

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## AP STATISTICS

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                      **GRADE:** 10-12  
**TYPE:** Advanced Placement/Laude  
**PREREQUISITE:** Algebra II with a B or higher

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## APPLIED MATHEMATICS I

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:** Gateway Transcribed/Laude  
**GRADE:** 11-12  
**PREREQUISITE:** Geometry  
**COREQUISITES:** If you take this course you must also take  
472-APPLIED MATHEMATICS II

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## APPLIED MATHEMATICS II

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

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## GEOMETRY

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).

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

## **INTRO TO ALGEBRA**

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.

**COURSE NOTE: This course does not count toward the three math credits required for graduation.**

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

**PREREQUISITE: Teacher/Counselor Referral.**

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## **PRECALCULUS**

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 recommended for this course.

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

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## **PRECALCULUS HONORS**

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 higher**

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## **PROBABILITY & STATISTICS**

Probability & Statistics is a trimester 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**

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## **TRIGONOMETRY**

Trigonometry is a trimester 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.

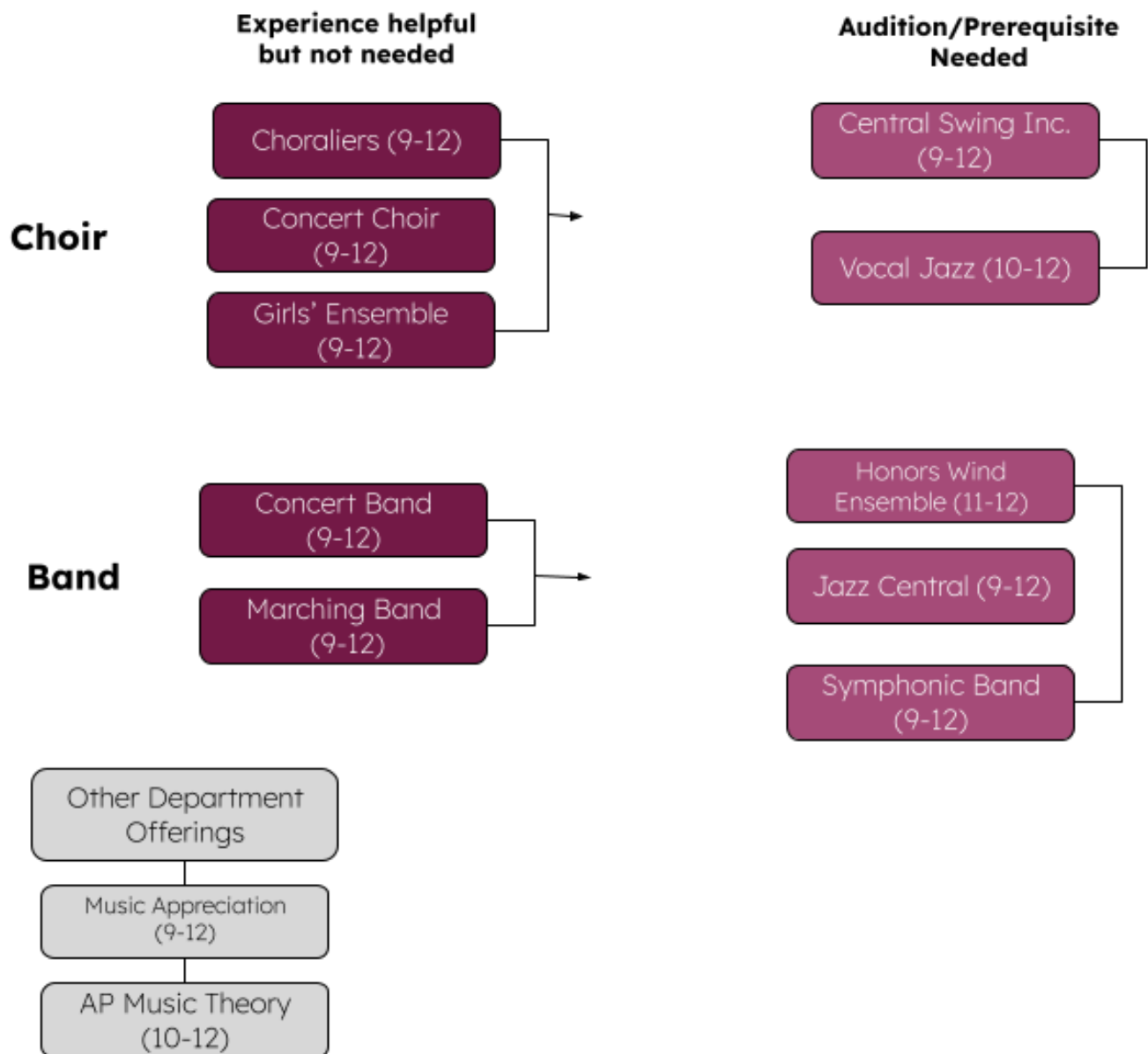
**CREDIT: 0.5      TYPE: Regular      GRADE: 10-12**

**PREREQUISITE: Algebra II**

## Music Department

Graduation Requirements: counts towards 8.5 total elective credits

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## AP MUSIC THEORY

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 2025-2026 school year.**

**CREDIT: 1.5**

**GRADE: 10-12**

**TYPE: Advanced Placement/Laude**

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## CENTRAL SWING, INC.

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.)

**COURSE NOTE: Additional fees required.**

**CREDIT: 1.5**

**TYPE: Laude**

**GRADE: 9-12**

**PREREQUISITE: Audition**

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## CHORALIERS

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: 1.5**

**TYPE: Regular**

**GRADE: 9-12**

**PREREQUISITE: Choral Experience Helpful.**

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## CONCERT BAND

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.

**COURSE NOTE: Additional fees required.**

**CREDIT: 1.5**

**TYPE: Regular**

**GRADE: 9-12**

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

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## CONCERT CHOIR

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.)

**COURSE NOTE: Additional fees required.**

**CREDIT: 1.5**

**TYPE: Laude**

**GRADE: 9-12**

**PREREQUISITE: Choral Experience**

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## GIRLS' ENSEMBLE

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: 1.5      TYPE: Regular      GRADE: 9-12**  
**PREREQUISITE: Choral Experience Helpful**

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## HONORS WIND ENSEMBLE

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 WCHS 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.

**COURSE NOTE: Additional fees required.**

**CREDIT: 1.5      GRADE: 11-12**  
**TYPE: Honors/Laude**  
**PREREQUISITE: Advanced skills, Audition, AND teacher approval (Student must be a previous member of Concert Band, Symphonic Band or Jazz Central).**

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## JAZZ CENTRAL

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: 1.5      TYPE: Laude      GRADE: 9-12**  
**PREREQUISITE: Advanced skills, Audition AND Teacher approval**



## MARCHING BAND

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**

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## MUSIC APPRECIATION

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**

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## SYMPHONIC BAND

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. Additional fees required.**

**CREDIT: 1.5      TYPE: Regular      GRADE: 9-12**

**PREREQUISITE: Concert Band or Teacher Approval (Freshmen must audition for entrance into SYMPHONIC BAND).**

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## VOCAL JAZZ

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.

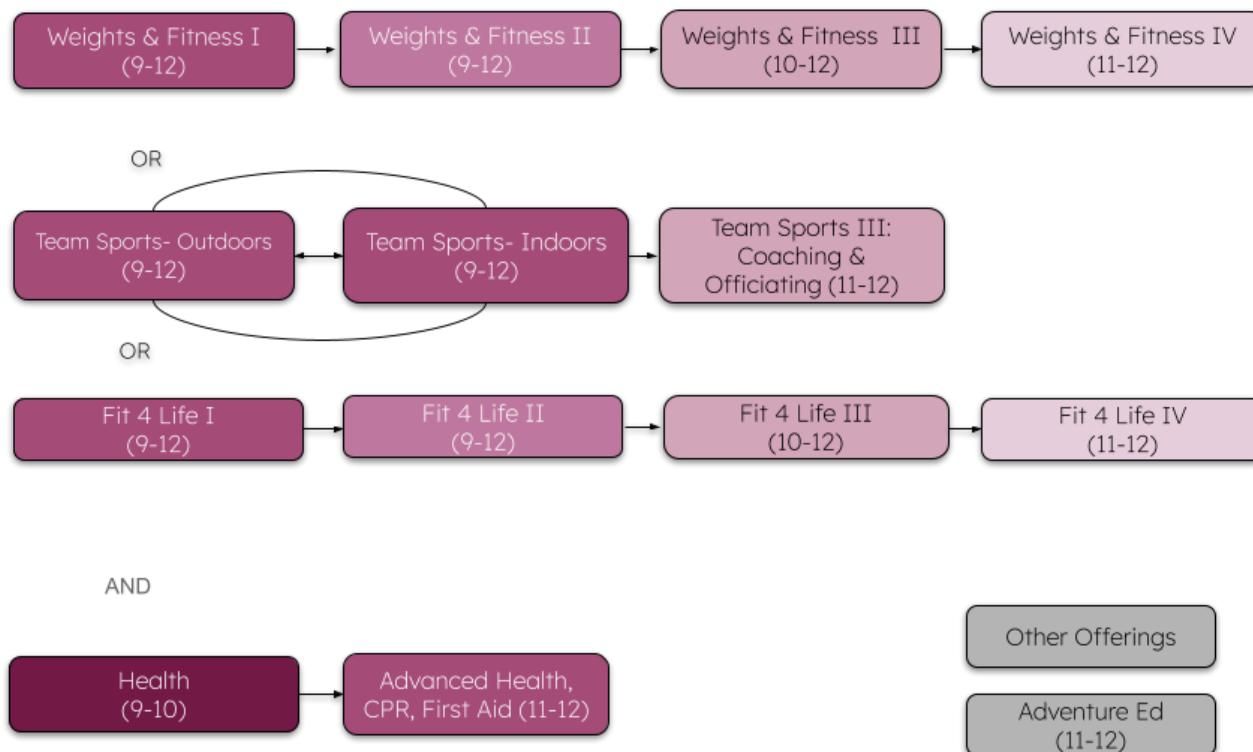
**CREDIT: 1.5      TYPE: Laude      GRADE: 10-12**

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

# Physical Education Department

Graduation Requirements: 1.5 Credits of Phy Ed (earned in 3 of 4 years) and 0.5 Credits of Health

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

This is a special one trimester 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

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## ADVENTURE EDUCATION

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 1st or 3rd trimester only\***

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

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

## **FIT 4 LIFE I**

Fit 4 Life is a course designed with YOU in mind. Appealing to students interested in improving their overall fitness level, the class concentrates on aspects of personal fitness, nutrition, and current wellness topics. With an emphasis on muscle identification and proper exercise technique, students will be introduced to a variety of HIIT (High Intensity Interval Training) workouts, muscular strength and endurance exercises, flexibility, and cardio workouts. Nutritional goals will be addressed and physical fitness scores will be taken throughout the trimester, allowing for students to develop goals and responsibility for their lifestyle choices. Grading will consist of participation in daily activities, fitness scores, and written work. Students will also enhance their knowledge of fitness and nutrition concepts using scholarly articles and active reading strategies. Activities may include: HIIT, AMRAP, EMOM, Chipper, 4-Station Rotation, Tabata, Yoga, Plyometrics, Weight Lifting Workouts, as well as individual sports such as Badminton, Pickleball, Tennis, Spikeball, etc.

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

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## **FIT 4 LIFE II**

Similar to Fit 4 Life I, this class is for students interested in improving their overall fitness level by concentrating on personal fitness & wellness. Students will continue with a variety of HIIT (High Intensity Interval Training) workouts, muscular strength and endurance exercises, flexibility, and cardio workouts. Physical fitness scores will be taken throughout the trimester, allowing for students to develop goals for improvement. Activities and grading similar to level I.

**CREDIT: 0.5      TYPE: Regular      GRADE: 9-12**  
**PREREQUISITE: FIT 4 LIFE I**

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## **FIT 4 LIFE III**

This course takes all of the introductory work and goal setting of levels I and II, and adds in nutrition. Nutritional goals will be addressed and physical fitness scores will be taken throughout the trimester, allowing for students to develop goals and responsibility for their lifestyle choices. Grading will consist of participation in daily activities, fitness

scores, and written work. Students will also enhance their knowledge of fitness and nutrition concepts using scholarly articles and active reading strategies. Activities similar to levels I and II.

**CREDIT: 0.5      TYPE: Laude      GRADE: 10-12**  
**PREREQUISITE: FIT 4 LIFE II**

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## **FIT 4 LIFE IV**

Appealing to students interested in challenging their overall fitness levels, this is an advanced fitness course with an emphasis on muscle identification and proper exercise technique. Students will be introduced to HIIT (High Intensity Interval Training) workouts, muscular strength and endurance exercises, flexibility, and cardio workouts. Nutritional goals will be addressed and physical fitness scores will be taken throughout the trimester, allowing for students to develop goals and responsibility for their lifestyle choices. Grading will consist of participation in daily activities, fitness scores, and written work, including a workout that they create. Students will also enhance their knowledge of fitness and nutrition concepts using scholarly articles and active reading strategies. Activities similar to levels I, II, and III.

**CREDIT: 0.5      TYPE: Laude      GRADE: 11-12**  
**PREREQUISITE: FIT 4 LIFE III**

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## **HEALTH I**

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.

**CREDIT: 0.5      TYPE: Regular      GRADE: 9-10**

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## **PHYSICAL EDUCATION CREDIT OPTION**

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

**Course Note: Available through class of 2025**

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

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### **TEAM SPORTS- INDOORS**

Course Description: This course provides opportunities designed to contribute to a student's physical and mental well-being and to develop an interest in lifetime leisure and fitness activities. Students will apply knowledge to a variety of team sports and activities including the following: basketball, badminton, pickleball, team handball, floor hockey, volleyball, eclipse ball, and townball. Students will demonstrate their abilities as an active participant in the class. Grading will be based on teacher rubrics, and by assessing the areas of skill, leadership and knowledge.

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

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### **TEAM SPORTS- OUTDOORS**

Course Description: This course provides opportunities designed to contribute to a student's physical and mental well-being and to develop an interest in lifetime leisure and fitness activities. Students will apply knowledge to a variety of team sports and activities including the following: softball, lacrosse, soccer, flag football, ultimate frisbee, kickball and other team building exercises. Students will demonstrate their abilities as an active participant in the class. Grading will be based on teacher rubrics, and by assessing the areas of skill, leadership and knowledge.

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

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### **TEAM SPORTS III- COACHING AND OFFICIATING**

NFHS [OFFICIALS CERTIFICATION WEBSITE](#)  
WIAA [OFFICIALS CERTIFICATION WEBSITE](#)

This course is for students who want to develop the knowledge and skills to be able to officiate and coach sports. They will learn how to lead, communicate, plan, organize, and instruct others in a sport or sports of the student's choice. Upon successful completion, students will be eligible for WIAA certification as a sports official, red cross certification in First Aid and CPR, and will have developed a coaching portfolio. It is recommended that students have good working knowledge of

several sports and fitness training principles. This course will require students to participate in field experiences outside of the school day. Students will have the opportunity to study WIAA-sanctioned sports. If a student expresses interest in a sport not listed, the teacher will work with the student on the sport of their choice.

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

**PREREQUISITES: SUCCESSFUL COMPLETION OF BOTH INDOOR & OUTDOOR TEAM SPORTS COURSES**



### **WEIGHTS AND FITNESS I**

This course provides opportunities designed to contribute to the physical and mental well-being of the students; to develop an interest to participate in lifetime fitness activities; to teach students the need to utilize leisure time by participation in both cardio and strength fitness activities. Students will be taught basic compound lifts, auxiliary lifts, weight room safety and etiquette. Instruction will include anatomy identification, muscular function, kinesiology, nutrition, and some physiology of exercise.

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

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### **WEIGHTS AND FITNESS II**

This course provides opportunities designed to contribute to a student's physical and mental well-being, to develop a student's interest in lifetime fitness activities, and to teach students the importance of both cardio and strength fitness activities. In level two, students will continue to enhance their understanding of compound lifts, auxiliary lifts, and weight room safety. Additionally,

students will learn more specific lifts and fitness stretches and activities for specific muscles and areas of the body.

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

**PREREQUISITE: Weights & Fitness I**

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### **WEIGHTS AND FITNESS III**

Level three of weights and fitness builds on the skills introduced in levels one and two. In addition to the lifts and fitness activities in previous classes, level three students learn how to customize weights and fitness programs to meet their individual needs and goals. Students will develop their own training programs to be carried out during the trimester.

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

**PREREQUISITE: Weights & Fitness II.**

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### **WEIGHTS AND FITNESS IV**

Level four of weights and fitness builds on the skills and knowledge in levels one, two and three. In addition to the lifts and fitness activities in previous classes, level four students learn to design their own workouts and track progress to meet their fitness goals and individual goals using what they have learned in levels 1, 2, and 3.

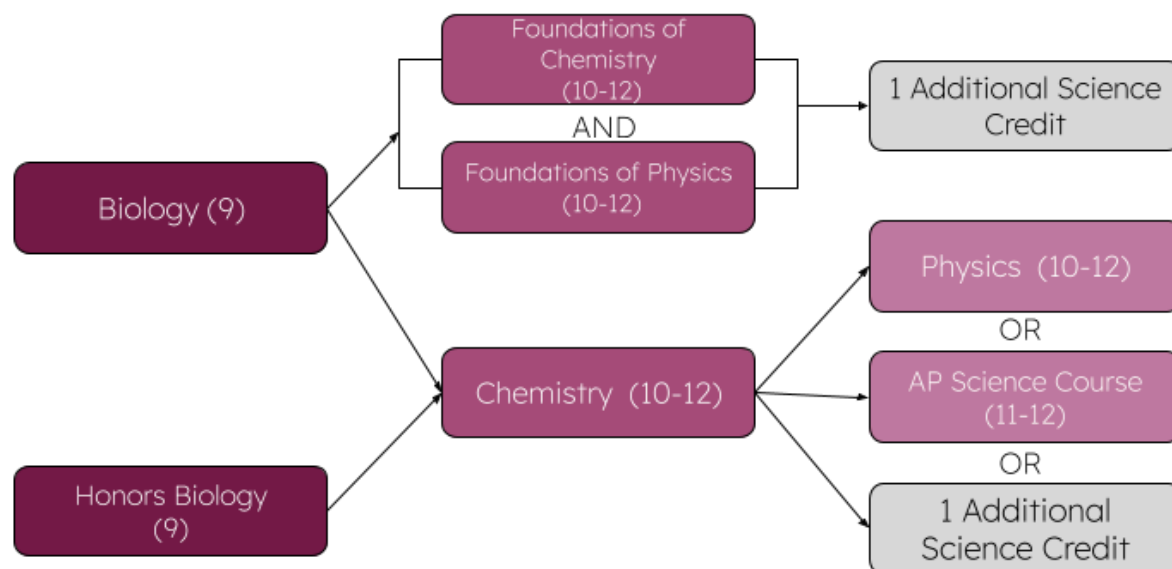
**CREDIT: 0.5      TYPE: Laude      GRADE: 11-12**

**PREREQUISITE: Weights & Fitness III**



# Science Department

Graduation Requirements: 3 Credits:



AP Science Options	PLTW Options For Science Credit	Other Science Options
AP Environmental Science (11-12)	PLTW Principles of Biomedical Science (9-12)	Astronomy & Meteorology (10-12)
AP Biology (11-12)	PLTW Human Body Systems (10-12)	Botany (10-12)
AP Chemistry (11-12)	PLTW: Principles of Engineering (10-12)	Food Science (11-12)
AP Physics I (11-12)		Environmental Science (11-12)
AP Physics II (11-12)		Forensics Science (10-12)



## AP BIOLOGY

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 **GRADE:** 11-12  
**TYPE:** Advanced Placement/Laude  
**PREREQUISITE:** Chemistry and Geometry with a B or higher or teacher approval.

## AP CHEMISTRY

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:** 1.5 **GRADE:** 11-12  
**TYPE:** Advanced Placement/Laude  
**PREREQUISITE:** Chemistry and Algebra II with a B or higher OR teacher approval.

## AP ENVIRONMENTAL SCIENCE

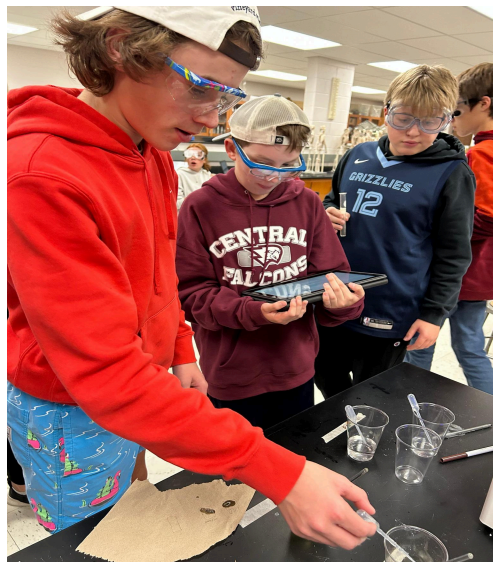
AP Environmental Science is an interdisciplinary course that combines biology, chemistry, environmental science, earth science and social studies to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course 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 **GRADE:** 11-12  
**TYPE:** Advanced Placement/Laude  
**PREREQUISITE:** Chemistry with a B or higher.

## AP PHYSICS I

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:** 1.5 **GRADE:** 11-12  
**TYPE:** Advanced Placement/Laude  
**PREREQUISITE:** Physics and Algebra II with a B or higher OR teacher approval.



## AP PHYSICS II

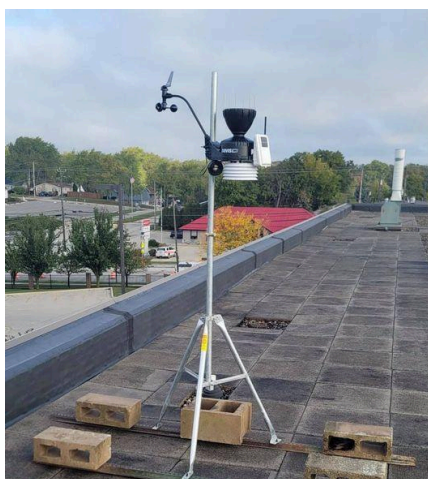
AP Physics II is the equivalent of the second semester of a college course in algebra-based physics, but is designed to be taught over a full academic year to enable AP students to develop a deep understanding of the content and to focus on applying their knowledge through inquiry labs. Students cultivate 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** **GRADE: 11-12**  
**TYPE: Advanced Placement/Laude**  
**PREREQUISITE: AP Physics I**

## ASTRONOMY & METEOROLOGY: FROM EARTH TO MARS

Astronomy & Meteorology is a trimester-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, 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/Honors**



## BIOLOGY

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 trimester topics include the nature of science, the molecules of life, basic cellular processes, and the structure and function of DNA. Second trimester topics are genetics, evolution, and ecology.

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

## BIOLOGY HONORS

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 trimester topics include characteristics of life, feedback mechanisms and homeostasis, cellular systems, and heredity. Second trimester 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 approval**

## BOTANY

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 lab and lecture based and will get outside when the weather permits.

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

## CHEMISTRY

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**

## ENVIRONMENTAL SCIENCE

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/ Honors**

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## FOOD SCIENCE

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: Science credit. May require additional fees.**

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

**PREREQUISITE: Chemistry or Foundations of Chemistry/Physics**

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## FORENSIC SCIENCE

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, surveying a crime scene, 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/ Honors**

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## FOUNDATIONS OF CHEMISTRY

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. Students 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/Honors**

**COREQUISITES: If you take this course, you must also take 339 - FOUNDATIONS OF PHYSICS**

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## FOUNDATIONS OF PHYSICS

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/ Honors**

**COREQUISITES: If you take this course, you must also take 338 - FOUNDATIONS OF CHEMISTRY**

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## PHYSICS

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 trimester will cover the topics of motion, forces, momentum and projectiles.

Second trimester 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: Algebra I and Geometry**

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### **PLTW HUMAN BODY SYSTEMS (HBS)**

The HBS course provides foundational knowledge and skills in anatomy and physiology, clinical medicine, and laboratory research. The course engages students in how this content can be applied to real-world situations, cases, and problems. The HBS course includes interviews, challenges, and testimonials from biomedical professionals in a variety of settings—clinical, research, and public health. Through both individual and collaborative team activities, projects, and problems, students tackle real-world challenges that biomedical professionals face in the field. Students work with tools and equipment used in hospitals and labs as they engage in relevant hands-on work. They explore BioDigital™ 3D interactive models, simulations, and assessments to visualize human anatomy and physiology. Students develop skill in technical documentation to represent and communicate experimental findings and solutions to problems, as well as skill in ethical reasoning and clinical empathy. Whether seeking a career in medicine or healthcare or just looking for the challenge of real-world problems, students in Human Body Systems will practice how to think creatively and critically to innovate in science, while gaining practical experience with clinical medicine and experimental design.

**COURSE NOTE: Additional fees required.**

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

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### **PLTW PRINCIPLES OF BIOMEDICAL SCIENCE**

Principles of Biomedical Science (PBS) is a two trimester 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**

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

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 (Science)      GRADE: 10-12**

**TYPE: Laude/Gateway Transcribed**

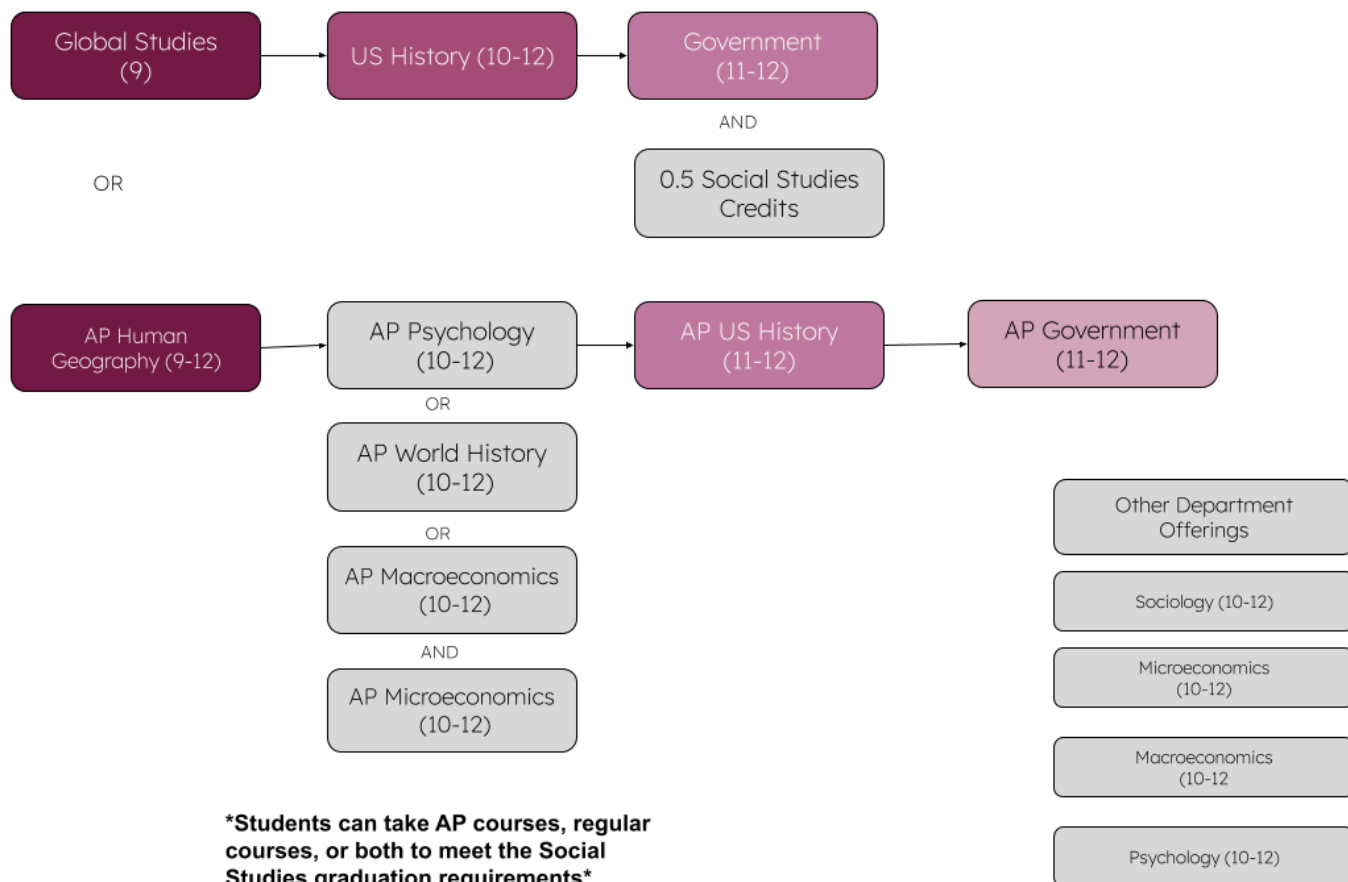
**PREREQUISITE: Geometry or concurrent registration in Geometry. PLTW Engineering Essentials highly recommended**



# Social Studies Department

Graduation Requirements: 3 Credits:

**Global Studies/ AP Human Geography, US History/ AP US History, and Government/ AP Government**



## AP GOVERNMENT

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 a 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**

**GRADE: 11-12**

**TYPE: Advanced Placement/Laude**

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

## AP HUMAN GEOGRAPHY

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**

**GRADE: 9-12**

**TYPE: Advanced Placement/Laude**

## AP MACROECONOMICS

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 3rd trimester only

**CREDIT:** 0.5

**GRADE:** 10-12

**TYPE:** Advanced Placement/Laude

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

## AP MICROECONOMICS

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, 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.

**COURSE NOTE:** Offered 1st trimester only

**CREDIT:** 0.5

**GRADE:** 10-12

**TYPE:** Advanced Placement/Laude **PREREQUISITE:** Global Studies or AP Human Geography

## AP PSYCHOLOGY

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

**GRADE:** 10-12

**TYPE:** Advanced Placement/Laude **PREREQUISITE:** Global Studies or AP Human Geography

## AP U.S. HISTORY

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

**GRADE:** 11-12

**TYPE:** Advanced Placement/Laude

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

## AP WORLD HISTORY:MODERN

AP World History:Modern is a two trimester 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

**GRADE:** 10-12

**TYPE:** Advanced Placement/Laude

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



## GLOBAL STUDIES

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 project-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**

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## GOVERNMENT

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**

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## MICROECONOMICS

This course is an introduction to basic microeconomic theory, concepts and skills. Students will use cost-benefit analysis to study the decision making of individuals, groups and firms. Students will learn how markets work and be able to use inquiry to learn in depth about product, factor and financial markets. Individuals interested in business, finance and entrepreneurship will find value in this course.

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

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## MACROECONOMICS

This course is an introduction to basic macroeconomic theory, concepts and skills. Students will learn how to use macroeconomic indicators to analyze the overall performance of the economy. The relationship between these indicators and fiscal and monetary policy decisions will be explored. Students will also investigate the cost-benefit of government

intervention and international trade. Students interested in public policy and government will find value in this course.

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

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## PSYCHOLOGY

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**

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## SOCIOLOGY

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**

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## U.S. HISTORY

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.

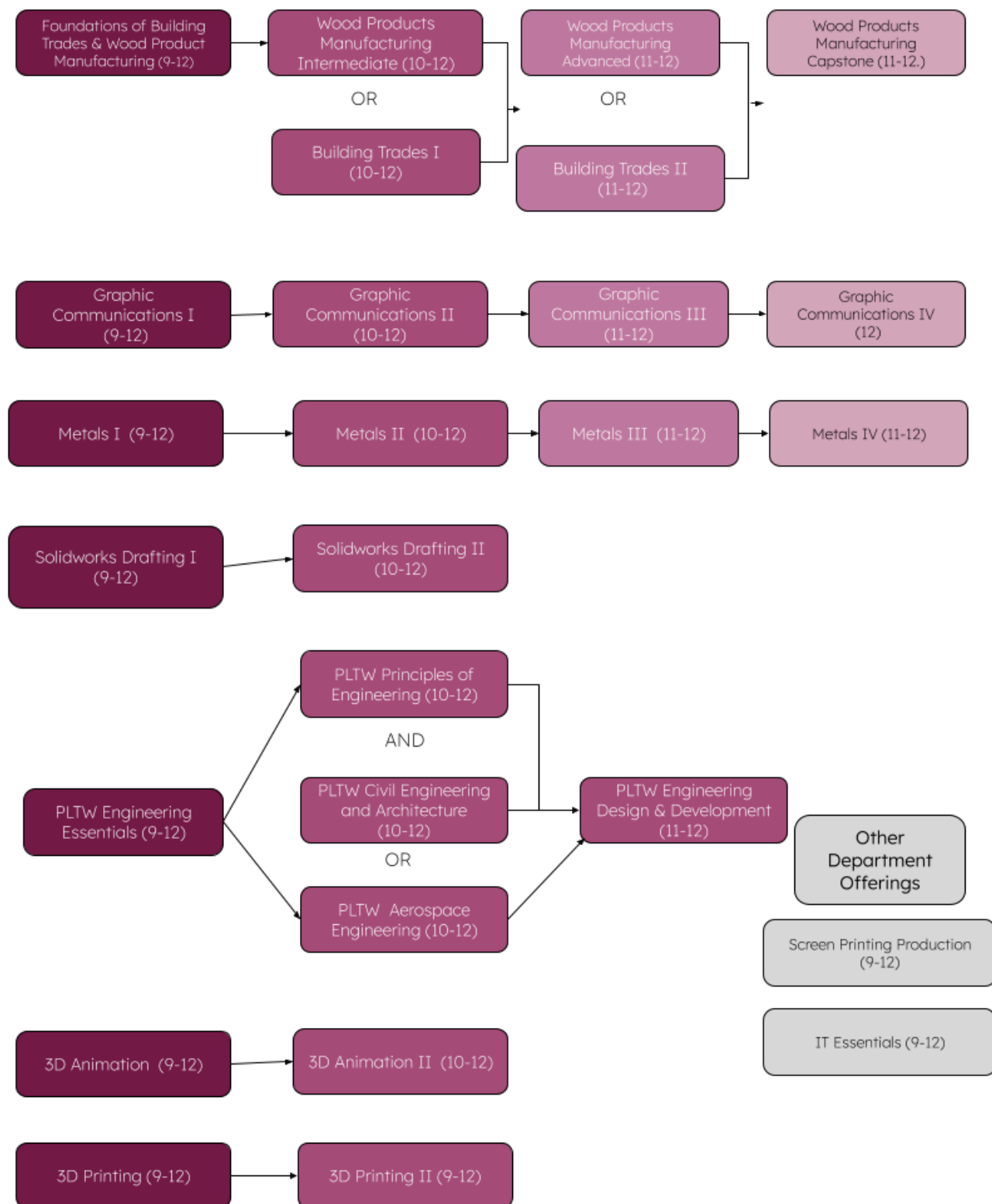
**CREDIT: 1.0      TYPE: Regular      GRADE: 10-12**

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# Technology and Engineering Department

Graduation Requirements: counts towards 8.5 total elective credits

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## **BUILDING TRADES I: INTERMEDIATE CARPENTRY**

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.

**COURSE NOTE:** Course requires lab fees

**CREDIT:** 1.0

**GRADE:** 10-12

**TYPE:** Gateway Transcribed/Laude

**PREREQUISITE:** Foundations of Building Trades and Wood Product Manufacturing OR teacher approval

## **BUILDING TRADES II: ADVANCED CARPENTRY**

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.

**COURSE NOTE:** Course requires lab fees

**CREDIT:** 1.0

**TYPE:** Regular

**GRADE:** 11-12

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

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

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 requires lab fees

**CREDIT:** 1.0

**TYPE:** Regular

**GRADE:** 9-12

## **GRAPHIC COMMUNICATIONS I**

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:** Laude

**GRADE:** 9-12



## GRAPHIC COMMUNICATIONS II

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 course. 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:** Graphic Communications I or teacher approval

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## GRAPHIC COMMUNICATIONS III

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:** Graphic Communications II or teacher approval

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## GRAPHIC COMMUNICATIONS IV

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:** Graphic Communications III or teacher approval

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## IT ESSENTIALS

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

**GRADE:** 9-12

**TYPE:** Gateway Transcribed/Laude

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## METALS I

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.

**COURSE NOTE:** Course requires lab fees

**CREDIT:** 1.0

**GRADE:** 9-12

**TYPE:** Gateway Transcribed/Laude

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## METALS II

Metals II focuses on 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.

**COURSE NOTE:** Course requires lab fees.

**CREDIT:** 1.0

**GRADE:** 10-12

**TYPE:** Gateway Transcribed/Laude

**PREREQUISITE:** Metals I

## METALS III

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 trimester 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:** Course requires lab fees

**CREDIT:** 1.0

**GRADE:** 11-12

**TYPE:** Gateway Transcribed/Laude

**PREREQUISITE:** Metals II OR teacher approval.



## METALS IV

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 Westosha Central's metal tab and equipment.

**COURSE NOTE:** Course requires lab fees.

**CREDIT:** 1.0

**GRADE:** 11-12

**TYPE:** Regular/Laude

**PREREQUISITE:** Metals II

**Failure to come up with a capstone project will result in course removal.**

## PLTW AEROSPACE ENGINEERING

Aerospace Engineering ignites students' learning in the fundamentals of atmospheric and space flight. Aerospace Engineering is one of the specialization courses in the PLTW Engineering program. The course deepens the skills and knowledge of an engineering student within the context of atmospheric and space flight. Students explore the fundamentals of flight in air and space as they bring the concepts to life by designing and testing components related to flight such as an airfoil, propulsion system, and a rocket. They learn orbital mechanics concepts and apply these by creating models using industry-standard software. They also apply aerospace concepts to alternative applications such as a wind turbine and parachute. Students simulate a progression of operations to explore a planet, including creating a map of the terrain with a model satellite and using the map to execute a mission using an autonomous robot.

**COURSE NOTE:** Course requires lab fees

**CREDIT:** 1.0

**TYPE:** Laude

**GRADE:** 10-12

**PREREQUISITE:** Must have taken Principles of Engineering or taking it co-currently

## PLTW CIVIL ENGINEERING & ARCHITECTURE (CEA)

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:** Course requires lab fees

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

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

## PLTW Engineering Design & Development (EDD)

Engineering Design and Development (EDD) is the capstone course in the PLTW high school engineering program. It is an open-ended engineering research course in which students work in teams to design and develop an original solution to a well-defined and justified open-ended problem they choose by applying an engineering design process. At the end of the process, students invite their family and community members and present all they have learned and done in the year.

**COURSE NOTES:** Course requires lab fees

**CREDIT:** 1      **TYPE:** Laude      **GRADE:** 11-12

**PREREQUISITES:** Two or more PLTW Engineering courses

## PLTW ENGINEERING ESSENTIALS (EES)

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:** Course requires lab fees



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

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

## PLTW PRINCIPLES OF ENGINEERING (POE)

**SEE SCIENCE DEPARTMENT FOR COURSE DESCRIPTION PG 62**

## SCREEN PRINTING PRODUCTION

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 if time allows.

**COURSE NOTE:** Course requires lab fees

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

## SOLIDWORKS DRAFTING I

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: Course requires lab fees**

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

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### **SOLIDWORKS DRAFTING II**

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 draftsperson, 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: Course requires lab fees**

**CREDIT: 1.0    TYPE: Laude    GRADE: 10-12**  
**PREREQUISITE: Solidworks Drafting I OR teacher approval**

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### **WOOD PROD MANUFACTURING ADV: CABINETMAKING AND MILLWORK**

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 requires lab fees**

**CREDIT: 1.0    GRADE: 11-12**  
**TYPE: MATC Madison Transcribed/Laude**  
**PREREQUISITE: Wood Prod. Manufacturing Intermediate.**

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### **WOOD PRODUCTS MANUFACTURING: CAPSTONE**

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 requires lab fees**

**CREDIT: 1.0    GRADE: 11-12**  
**TYPE: MATC Madison Transcribed/Laude**  
**PREREQUISITE: Wood Products Manufacturing Advanced:  
Cabinetmaking and Millwork**

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### **WOOD PROD MANUFACTURING INT: MACHINES, SKILLS AND PROC**

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 requires lab fees

**CREDIT: 1.0      TYPE: Regular      GRADE: 10-12**  
**PREREQUISITE:** Foundations of Building Trades and Wood Products Manufacturing

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### 3D COMPUTER ANIMATION I

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**

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### 3D COMPUTER ANIMATION II

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 higher.**

**CREDIT: 1.0      TYPE: Regular      GRADE: 10-12**  
**PREREQUISITE:** Computer Animation I or teacher approval

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## 3D PRINTING

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**

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### 3D PRINTING II

In this course you will design, create, and print your own 3D objects using more advanced 3D Printers and Software. This course will expand your previous knowledge of 3D printing using what you learned in 3D Printing as the foundation. Expand your design skills by using more advanced 3D design software. Have more control over your prints by using more advanced slicer software. Achieve better prints by using more advanced 3D printers, and compare how they work and operate with a 3D40. This course covers all of the skills you will need to know to get up and running with the latest 3D Printing technology!

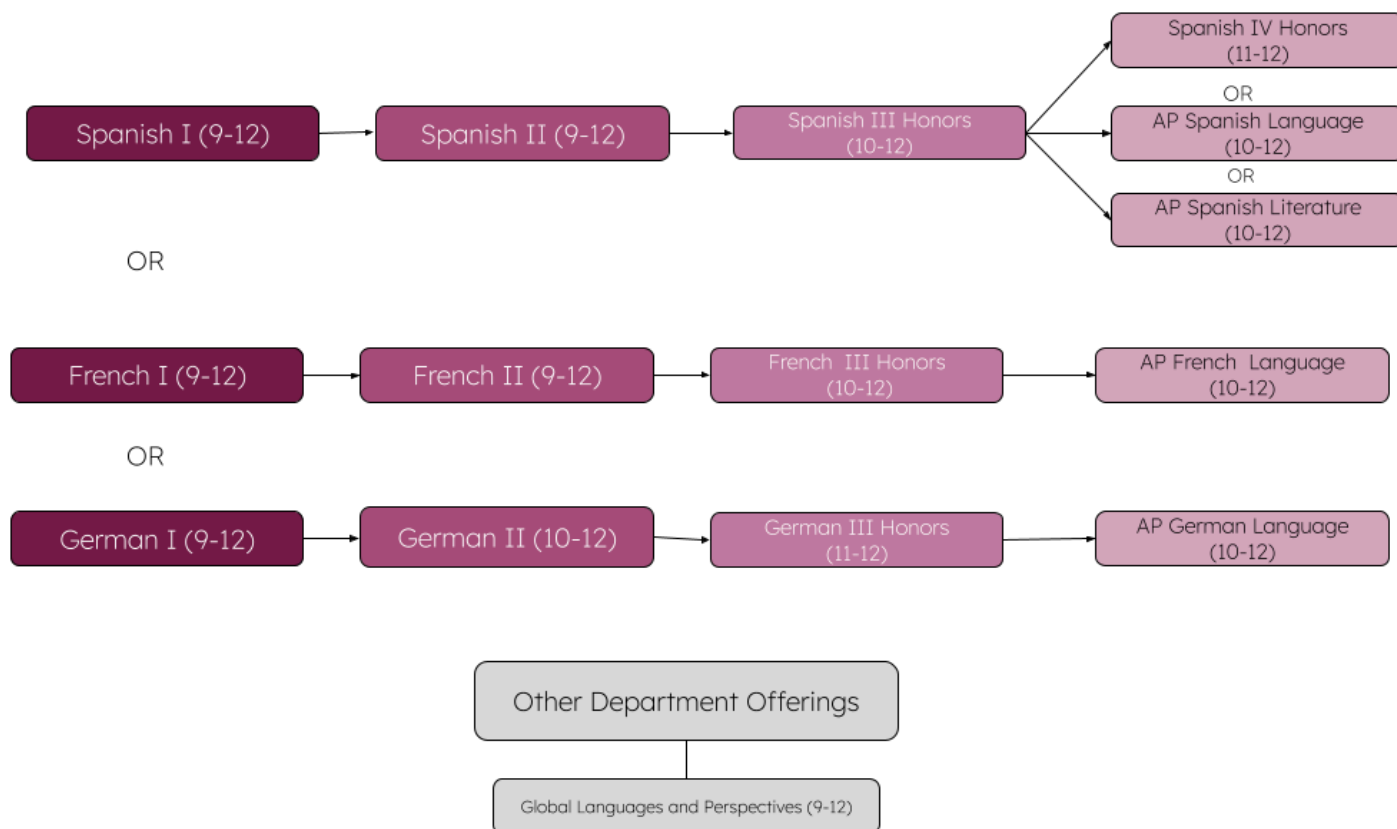
**COURSE NOTE:** Course requires lab fees.

**CREDIT: 0.5      TYPE: Regular      GRADE: 9-12**  
**PREREQUISITE:** 3D Printing

# World Language Department

Graduation Requirements: counts towards 8.5 total elective credits

\*Please see the Vanguard offerings for American Sign Language courses\*



## AP FRENCH LANGUAGE & CULTURE

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**

**GRADE: 10-12**

**TYPE: Advanced Placement/Laude**

**PREREQUISITE: Placement Exam, French III Honors with a B or higher, OR teacher approval**  
**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 higher. 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. Scholarships are available. The syllabus follows that for AP French A & B.

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

**CREDIT:** 1 WCHS (Up to 14 UWGB) **GRADE:** 10-12

**TYPE:** Advanced Placement/Laude **PREREQUISITE:** Placement Exam, French III Honors with a B or higher, OR teacher approval  
**COREQUISITES:** This is a full year course.

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## AP GERMAN LANGUAGE & CULTURE

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 cast, 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 **GRADE:** 10-12  
**TYPE:** Advanced Placement/Laude  
**PREREQUISITE:** German III Honors with a B or higher OR teacher approval

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## AP SPANISH LANGUAGE & CULTURE

The AP Spanish Language & Culture course is conducted entirely in Spanish with a focus on authentic materials from the Spanish-speaking world. According to the curriculum of the AP Spanish 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 students 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 Spanish, speak on a wide variety of topics, write formal and informal compositions in a wide variety of styles with appropriate grammatical structures, expanded vocabulary use and proper use of register to differentiate between audiences. And, continue using Spanish to communicate in meaningful situations throughout life. Upon completion of this course, students are encouraged to take the AP Spanish Language & Culture exam and/or college placement tests. A workbook and access to a dictionary is required.

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

**CREDIT:** 1.0 **GRADE:** 10-12  
**TYPE:** Advanced Placement/Laude  
**PREREQUISITE:** Spanish III Honors with a B or higher OR teacher approval

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## AP SPANISH LITERATURE & CULTURE

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 **GRADE:** 10-12



**TYPE: Advanced Placement/Laude PREREQUISITE: Spanish III Honors with a B or higher OR teacher approval**

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## **FRENCH I**

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**

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## **FRENCH II**

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**

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## **FRENCH III HONORS**

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 trimester-long "Adopt a Country" project.

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

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## **GERMAN I**

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 study the culture and customs of Germany and other German speaking countries. A German-English dictionary is recommended.

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

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## **GERMAN II**

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 teacher approval**

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## **GERMAN III HONORS**

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.

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

**TYPE: Honors/Laude  
PREREQUISITE: German II OR teacher approval**

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## **GLOBAL LANGUAGES AND PERSPECTIVES**

Global Languages and Perspectives is a trimester long blended course intended to prepare students for living in a global society. 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. A workbook is required.

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

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### **LANGUAGE IMMERSION SEMINAR**

Language Immersion Seminar is a trimester long course where students concentrate on conversational and survival functions of 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**

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### **SPANISH I**

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**

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: Spanish I or the Spanish II Placement exam.**

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### **SPANISH III HONORS**

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      GRADE: 10-12**  
**TYPE: Honors/Laude**  
**PREREQUISITE: Spanish II or the Spanish III Placement exam.**

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### **SPANISH IV HONORS**

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. 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**

**CREDIT: 1.0      GRADE: 11-12**  
**TYPE: Laude**  
**PREREQUISITE: Spanish III Honors OR teacher approval**

# Vanguard

## Online Courses Offered through Gateway Technical College

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### AMERICAN SIGN LANGUAGE I (Fall)

#### 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. WCHS 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**

**GRADE: 10-12**

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

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### AMERICAN SIGN LANGUAGE II (Spring)

#### 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. WCHS 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**

**GRADE: 10-12**

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

**PREREQUISITE: American Sign Language I**

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### AMERICAN SIGN LANGUAGE III (Fall)

#### 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. WCHS 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**

**GRADE: 11-12**

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

**PREREQUISITE: American Sign Language II**

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### AMERICAN SIGN LANGUAGE IV (Spring)

#### 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. WCHS 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**

**GRADE: 11-12**

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

**PREREQUISITE: American Sign Language III**

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### DEAF HISTORY (Spring)

#### 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. WCHS 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.

**COURSE NOTE: Elective credit; most colleges do not recognize this as a language course.**

**CREDIT: 0.5      GRADE: 9-12      TYPE: College/Distance Learning/Laude**

# Graduation Requirements Checklist

Required: 24.00 Credits

English.....	4.00
Social Studies.....	3.00
Math.....	3.00
Science.....	3.00
Physical Education (must be taken over 3 years).....	1.50
Health.....	0.50
Personal Finance.....	0.50
Electives (2 must be of Fine Arts, CTE, OR World Language) .....	8.50

English 9.....	1.00
English 10.....	1.00
English 11.....	1.00
English 12.....	1.00

Global Studies .....	1.00
U.S History.....	1.00
Government.....	0.50
Social Studies .....	0.50

Biology .....	1.00
Chemistry or Physics (or Foundations of Chemistry/Physics).....	1.00
Science .....	1.00

Math.....	1.00
Math.....	1.00
Math.....	1.00

Personal Finance.....	0.50
My Life Simulator.....	

Physical Education .....	0.50
Physical Education .....	0.50
Physical Education .....	0.50

Health.....	0.50
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Electives (2 must be of Fine Arts, CTE, OR World Language) .....	8.50
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State Civics Exam.....	
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