



PLATTEVILLE
HIGH SCHOOL

STUDENT REGISTRATION GUIDE

YOUR GUIDE TO EDUCATION

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PLATTEVILLE HIGH SCHOOL GRADUATION REQUIREMENTS

PHS Requires	Entrance Requirements for MOST University of Wisconsin System Schools
	Successful completion of the following:
24 Total Credits including successful completion of the following:	
English	4 Credits
4 Credits Including: English 9 English 10 English 11/AP Language & Composition <i>or</i> English & Technology English 12/AP Literature & Composition <i>or</i> Technical Communications	
Social Studies	3-4 Credits
3 Credits Including: World History & Geography United States History or AP US History 1 additional credit of Social Studies	
Science	3 credits
3 credits	3-4 Credits including: ● Biology ● 1 Physical Science (Physics, Chemistry) ● 1 Additional Lab Science
Math	3 credits
3 credits	3-4 Credits including: ● Algebra I ● Geometry ● Advanced Algebra
Physical Education	NO REQUIREMENT
1.5 credits including: P.E. 9 (0.5) P.E. 10 (0.5) PE 11/12 (0.5)	
Health	NO REQUIREMENT
0.5 credit	
Electives	9.0 credits
9.0 credits	Electives in any above areas as well as world language, art, music, speech, computer science and other academic areas
World Language	Not required for graduation from Platteville High School
World Language	Recommend: at least 2 years of a single World Language to be prepared for post-secondary plans as some colleges/ universities <u>do</u> require the study of a World Language to be admitted and/or to graduate. <i>UW-Madison requires 3-4 years of a single world language for admission.</i>
Civics Exam	*Must pass with a score of 65 or better
Shaken Baby	*Must complete Shaken Baby Syndrome course.
NO REQUIREMENT	

For more information on each of the **UW-System Schools** admission requirements/guidelines, visit:
<https://uwhelp.wisconsin.edu/admission-guidelines/freshman/>

For more information on **Wisconsin's Private Schools**, visit: <http://www.wisconsinprivatecolleges.org/>

For more information on **Wisconsin's Technical/Community Colleges**, visit: <https://www.wtcsystem.edu/>

For more information on **Apprenticeship Programs**, visit: <https://dwd.wisconsin.gov/apprenticeship/>

GUIDELINES FOR COURSE CHANGES

The total high school program (teacher and student class assignments) is set up based on the course selections students make during initial registration. In other words, courses are offered based upon the number of requests made by students. By changing a schedule, we are altering the number of students in a course, which can produce the following undesirable effects:

1. Reduce class size to a point where it would be no longer practical to offer the class.
2. Increase class size to the point that a sound learning environment would no longer be present.
3. Make it difficult for teachers to begin instruction at the start of a semester.
4. Suggest to students that prior planning is not important.

Permitted:

1. If the student fails a required class and needs to make up the credit.
2. Due to a schedule conflict, the student needs to make another choice.
3. Evidence of a scheduling/computer error.
4. Course is not in accordance with ability. (Requires recommendation of teacher.)

Not Permitted:

1. If a student wishes to drop a course and add a similar level course due to change in preference.
2. Change of schedule because of personal preference
(i.e. different teacher, lunch, study hall time, friend in another class, etc.).
3. Dropping a class after the two-week drop/add period.

ADVANCED PLACEMENT COURSES

What is Advanced Placement?

The Advanced Placement Program (AP) allows students to enroll in college-level courses while in high school, and gives them the opportunity to show mastery by taking an AP exam.

Advanced Placement Exam

AP exams are given during the month of May. Every student takes the same exam at the same time unless the student qualifies for special accommodations. Each exam consists of two sections. The first section is multiple-choice. The other section consists of free-response questions in various formats: essays, audio-taped responses, analysis of historical documents, extended problem solving, etc.

Advanced Placement Grades

The AP grading scale is as follows:

- 5 Extremely well qualified
- 4 Well Qualified
- 3 Qualified
- 2 Possibly qualified
- 1 No recommendation

Students will receive their grade report in July. Most colleges and universities accept AP scores of 3 or above to be considered for credit.

Benefits of Advanced Placement

This is the most rigorous curriculum offered in each subject area. Students will receive credit, advanced placement or both at most colleges and universities depending on their AP exam score. The amount of credit received varies by college, AP score, and subject. Some colleges grant up to six college credits for a score of five. This not only translates into time saved, but also is a financial savings for each credit earned while in high school

Cost of Advanced Placement Exams

Students pay for each exam taken. The cost in the 2021-22 school year was \$95.00 per exam. If a student cancels an exam after the deadline, he/she will still be responsible for \$40 of the exam fee.

Advanced Placement Courses at PHS

- AP US History - *Sophomores*
- AP Language and Composition - *Juniors*
- AP US Government - *Juniors/Seniors*
- AP Psychology - *Juniors/Seniors*
- AP Music Theory - *Juniors/Seniors*
- AP Calculus - *Seniors*
- AP Literature and Composition - *Seniors*
- AP Chemistry - *Seniors*

INTERNATIONAL TRANSFER STUDENTS

International transfer students must present English translations of official educational documents verifying all of the previous educational experience. Tentative grade level placement will be made when a student enrolls in Platteville High School. Official grade level placement will be junior level. Schools do not attempt to equate grades and courses taken in foreign school systems to PHS grading systems or courses. Each student's PHS transcript reflects the total number of PHS credits awarded for the student's prior educational experience. ***A maximum of six credits will be awarded for each successful year of secondary level education in their home country.***

INTERNATIONAL EXCHANGE STUDENTS

Platteville High School is happy to host international students through approved exchange programs. International students attending Platteville High School must have prior approval of the high school principal. It is the hope of PHS that international students will broaden the cultural experience of our students while growing in their own knowledge of American culture. This page is written to assist students and host families as they plan for a semester or year of residence in Wisconsin.

- Platteville High School waives the registration fee for international students. Students receive a student ID which entitles them to attend all home athletic contests. Tickets for other events such as Prom, musicals, etc., are the responsibility of the student or host family.
- Students and/or their host families will be responsible for all other costs associated with their school participation. This includes all course fees, athletic and/or activity fees, daily lunch, and school supplies.

CERTIFIED CAREER PROGRAMS

Certified Coops

- Available in Agriculture Education, Business Education, Marketing Education, and Technology Education. Involves work-based learning and verification of meeting Department of Public Instruction standards. This program is open to seniors only. ([School-to-Work Handbook Link](#))

Youth Apprenticeship Program

- Open to Juniors and Seniors, students in the Youth Apprenticeship Program participate in a youth apprenticeship course for one or more hours a day and complete a work experience. At the end of the one or two-year high school program, each youth apprentice will receive a Certificate of Occupational Proficiency, along with his/her high school diploma. Students may also receive advanced standing credits at any Wisconsin technical college. Application for this program is required. Applications may be obtained from the Career and Technical Education Coordinator. ([School-to-Work Handbook Link](#))

Project Lead the Way

- PLTW is a pre-engineering program designed with a sequence of courses which combined with math and science courses introduces students to the scope, rigor and discipline of engineering and engineering technology prior to entering college. The basic courses are Introduction to Engineering Design, Computer Integrated Manufacturing, Principles of Engineering, and Civil Engineering and Architecture. PLTW is recognized by industry and post-secondary institutions for its merit. Some engineering schools give advanced standing for completion of PLTW coursework. PLTW is key for students who are on a course of study within the Science, Technology Engineering, and Mathematics Career Pathways.

Employability Skills

- This program is open to juniors and seniors wanting to gain work experience in a field they plan to pursue in the future. To be eligible for this program, students must have demonstrated academic achievement throughout their high school career, possess positive behaviors and attitudes, and have a good attendance record. **Students can only participate in Employability two semesters total.* ([School-to-Work Handbook Link](#))

TRANSCRIPTED CREDIT

Transcribed courses are taught at the high school using technical college books and materials. The high school instructor is certified as a Wisconsin Technical College System instructor. A transcribed course is provided free of charge to students and will become an official course on the student's transcript at both the high school and technical college. **In many cases, the credits are transferable to other two and four-year colleges.**

The following courses, taught at PHS, are eligible for transcribed credit:

Business & Marketing: Accounting I, Business & Personal Law, Introduction to Marketing & Entertainment

Technology & Education: Welding & Fabrication

Early Childhood Education: Infant/Toddler Development, Child Development

Culinary Arts: Baking I, Baking II, Cooking Outside the Box

ADVANCED STANDING

An advanced standing course recognizes the skills a student attains in a high school course by allowing him/her to earn college credit for certain high school classes taken. The advanced standing courses are taught by high school instructors. ***Credits earned will be applied toward the student's technical college degree at SWTC.***

POST-SECONDARY EDUCATION OPTIONS (Policy 343.46)

University of Wisconsin-Platteville Early College Credit Program (ECCP) Southwest Wisconsin Technical College Start College Now (SCN) Southwest Wisconsin Technical College ColLEDGE UP

High school students who meet the eligibility requirements defined in applicable statutes, regulations, and District policies (Policy 343.46), and who submit timely and complete applications, may be permitted to enroll in one or more courses at an institution of higher education through the Early College Credit Program (ECCP), Start College Now (SCN) and/or the ColLEDGE UP programs. In accordance with District Policy, the Platteville School District will pay for up to 18 credits between post-secondary education options, the only exception is if a student enrolls in the CNC program or Lab Science Tech program offered at Platteville High School.

EARLY COLLEGE CREDIT PROGRAM (ECCP)

The University of Wisconsin-Platteville allows high school students to take college courses through the Early College Credit Program (ECCP) or as a High School Special student provided that they meet the requirements for entry, receive necessary approval from their full-time school district of attendance, and course availability. High school students attending public and private high schools in Wisconsin are eligible to apply through this program. Admitted students may take one or more courses and earn credit for high school, post-secondary credit, or both. Per UW System, online courses are not eligible for the ECCP program.

ELIGIBILITY

To be considered for admission to the Early College Credit Program or as a high school special student, applicants must comply with the following, per UW-Platteville:

- Each high school student aspiring to attend university classes may take **3 semester credits per semester (1 course). Certain students may elect to take up to, but no more than, 6 semester credits per semester (2 courses) upon the approval of the Office of Admission.** It is to be understood that each high school student wishing to attend classes at UW-Platteville **must reapply each semester.**
- All students must have the sanction of the school counselor, and the school district, submitted in writing to the Office of Admission. (This is achieved by completing the ECCP application).
- **Seniors:** Must be in the top 50 percent of graduating class OR have a minimum composite score of 22 ACT or 1110 SAT.
- **Juniors:** Must be in the upper 10 percent of the class or have scored in the top 10 percent in one or more of the nationally recognized admission examinations (ACT, SAT).
- **Sophomores and Freshmen:** Must rank in upper 10% of class and interview may be required.

Early College Credit Program and High School Special students register after all UW-Platteville degree-seeking students have registered, therefore admission does not guarantee course availability for the specifically approved courses. Registration is on a space available basis. In addition, students may be required to take a UW System Placement Exam for English, Mathematics and other university courses.

Early College Credit Program and High School Special students must abide by all regulations, policies and procedures of the university as outlined in the university catalog, semester timetable and official university documents. These include, but are not limited to, the university drop, withdrawal, tuition refund, grading and attendance policies. In addition, all students must comply with the rules set forth by instructors. ***Courses taken at UW-Platteville become a part of the student's permanent university record and may affect subsequent admission eligibility to postsecondary institutions.***

APPLICATION PROCESS:

1. **Complete the [ECCP Application](#)**
 - Available in the Students Services Office or online by clicking above link.
2. **Submit the completed application to your High School Counselor** no later than **February 1** for SUMMER courses, **March 1** for FALL courses, and **October 1** for SPRING courses.
3. Your application will be submitted to the School Board, by the high school counselor, for approval.
4. The School Board approves or denies the application.
*In the case of a denial, if the student disagrees with the school board's decision regarding comparability of courses or satisfaction of high school graduation requirements, the student may appeal the school board's decision to the state superintendent within 30 days after the decision.
Districts may deny a student high school credit for a college course if:
 - The course does not satisfy a high school graduation requirement
 - The district offers a comparable course
Therefore, appropriate courses are:
 - Courses that are not offered by our school, but could reasonably meet a high school graduation requirement.
 - Courses beyond what our school offers; meaning student has exhausted all options in course area (i.e. a junior finishes AP Calculus AB and has no more math courses to take at PHS).
5. Once approved, the student will then need to complete the UW-Platteville application process as students must also be accepted by UW-Platteville according to their criteria.

Deadline Reminders:

Deadline to submit ECCP Application to the School Counselor at Platteville High School:

- February 1st for summer term
- March 1st for fall term
- October 1st for spring term

Deadline to submit UW System online application for ECCP and High School Special Students:

- May 15 for summer term
- June 15 for fall term
- December 1 for spring term

Helpful resource to search for appropriate courses: [UWP Course Search](#)

START COLLEGE NOW

The Start College Now program allows students who are high school juniors or seniors the opportunity to take college courses at Wisconsin Technical Colleges during the regular academic year while also completing high school. This program is designed to offer courses the high school does not have or cannot offer to a student who wants to go above and beyond in a subject area. One benefit of this program is the dual enrollment component. The course(s) the student takes gives them both high school credit toward graduation as well as college credit to take with them as they continue their educational journey.

If you have completed the 10th grade (*Program is available to 11th and 12th grade students only*) and are in good academic standing you can apply to the **Start College Now Program**. Here's how to apply:

1. **Complete the [START COLLEGE NOW Application](#)**
 - Available in the Students Services Office or online by clicking above link

2. **Submit the completed application to your High School Counselor** no later than **March 1** for FALL courses, and **October 1** for SPRING courses.
3. Your application will be submitted to the School Board, by the high school counselor, for approval.
4. The School Board approves or denies the application.
In the case of a denial, if the student disagrees with the school board's decision regarding comparability of courses or satisfaction of high school graduation requirements, the student may appeal the school board's decision to the state superintendent within 30 days after the decision.

LINK FOR MORE INFORMATION: <https://www.swtc.edu/academics/start-college-now.aspx>

ColLEDGE UP

The ColLEDGE program is a partnership between CESA 3 and SWTC which allows students who are high school sophomores (in *some* cases), juniors or seniors the opportunity to take college courses at SWTC during the regular academic year while also completing high school. This program offers several different paths and more information and specifics should be explored at the link below. The course(s) the student takes gives them both high school credit toward graduation as well as college credit to take with them as they continue their educational journey.

LINK FOR MORE INFORMATION: <https://www.swtc.edu/academics/colledge-up/>

If you have completed the 10th grade (*Program is available to 11th and 12th grade students only*) and are in good academic standing you can apply to the **Start College Now Program**. Here's how to apply:

1. **Complete the [ColLEDGE UP Application](#)**
 - Available in the Students Services Office or online by clicking above link
 - **LINK for Program Descriptions:** <https://www.swtc.edu/academics/colledge-up/>
2. **Submit the completed application to your High School Counselor** no later than **March 1** for FALL courses, and **October 1** for SPRING courses.
3. Your application will be submitted to the School Board, by the high school counselor, for approval.
4. The School Board approves or denies the application.
In the case of a denial, if the student disagrees with the school board's decision regarding comparability of courses or satisfaction of high school graduation requirements, the student may appeal the school board's decision to the state superintendent within 30 days after the decision.

CAREER CLUSTER INFORMATION

Career Clusters represent virtually the entire world of work. They have been developed to aid students in exploring options for their future by organizing the world of work into sixteen occupational and industry areas. Career clusters not only help identify common interests, aptitudes, knowledge, and skills that connect occupations into a cluster, but they also serve as a tool for connecting the student's high school education and employability skills to the world of work and their career goals.

When considering possible course selections for next school year, Platteville High School students should review these clusters and identify which cluster or clusters provide the best "fit" for them. Keep in mind your career interests when you make your final course selections. The courses you select for next year will provide appropriate knowledge and skills for future educational and career destinations.

THE 16 CAREER CLUSTERS ARE AS FOLLOWS:


- Agriculture, Food and Natural Resources*
- Architecture and Construction*
- Arts, A/V Technology and Communications*
- Business, Management and Administration*
- Education and Training*
- Finance*
- Government and Public Administration*
- Health Science*
- Hospitality and Tourism*
- Human Services*
- Information Technology*
- Law, Public Safety, Corrections & Security*
- Manufacturing*
- Marketing, Sales & Service*
- Science, Technology, Engineering & Mathematics*
- Transportation, Distribution & Logistics*

Which Clusters Interest You?


Use the following eight pages to find more about the many careers within the 16 clusters. You will find the courses Platteville High School offers that will help you explore the cluster of your choice.

Please use this link to take you to a website that provides a wealth of information on careers and career exploration: <https://careertech.org/career-clusters>

*Course that has a prerequisite

 Agriculture & Natural Resources		
Recommend Courses of Study		
Course Name	Course #	Grade Level
Agriculture and Natural Resources		
Animal Science	153	9-12
*Veterinary Science	154	11-12
Plant & Soil Science	157	9-12
Food Science	160	9-12
Horticulture/Landscape	254	9-12
Exploring Natural Resources	258	9-12
*Ag Marketing & Leadership	259	10-12
*Ag Coop Work	455	12
Sample of Occupations Relating to This Career Cluster		
<i>Agricultural Sales, Food Inspectors, Meat Cutters-Meat Graders, Cheesemakers, Microbiologists, Food & Drug Inspectors, Plant Breeders and Geneticists, Agricultural Educators, Aquaculturalists, Agricultural Journalists, Golf Course Superintendents, Greenhouse Managers, Farmers, Livestock Producers, Veterinary Assistants, Livestock Buyers, Wildlife Biologists, Animal Nutritionists, Dairy Producers, USDA Inspectors, Agricultural Engineer, Welders, GPS Technicians, Cartographers, Wildlife Managers, Ecologists, Loggers, Geologists, Fisheries Technician, Pollution Hazardous Materials Handler, Water Quality Manager, Feed and Supply Store Manager</i>		
Go to https://careertech.org/career-clusters for additional information.		

*Course that has a prerequisite

 Architecture & Construction		
Recommend Courses of Study		
Course Name	Course #	Grade Level
Construction		
Exploring Mfg & Const.	176	9-12
*Construction I	276	9-12
*Woodworking & Design I	376	9-12
*Woodworking & Design I	378	10-12
*Construction II, III, IV	278/476/478	10-12
Architecture		
Intro to Engineering & Design	172	9-12
*Construction Tech I	276	9-12
*Construction Tech II, III, IV	278/476/478	10-12
*Principles of Engineering	328	10-12
Production Graphics	179	10-12
Entrepreneurship	194	9-12
*Welding & Fabrication	156	11-12
Energy, Power & Transp.	174	9-11
Horticulture/Landscape Des.	254	10-12
Comp. Science/Software Eng	272	10-12
Drawing I-IV	287-2873	9-12
Sample of Occupations Relating to This Career Cluster		
<i>Architect, Architect Drafter, Regional and Urban, Planner/Designer, Industrial Engineer, Mechanical Drafter, Civil Engineer, Programmer, Mechanical Engineer, Electrical Engineer, Environmental Engineer, Landscape Architect, Surveyor, Electrical and Electronic Engineering Technician, Civil Engineering, Technician, Interior Designer, Landscape Designer, Computer-Aided Drafter (CAD), Renderer, Modeler, General Contractor/Builder, Tile and Marble Setter, Landscaper/Groundskeeper, Roofer, Painter, Plasterer/Drywall, Electrician, Steamfitter, Reliability Engineer, Environmental Engineer, Safety Director</i>		
Go to https://careertech.org/career-clusters for additional information.		

*Course that has a prerequisite



Arts, A/V Technology & Communications

Recommend Courses of Study		
Course Name	Course #	Grade Level
Production Graphics	179	10-12
Media Literacy	203	10-12
Multimedia	279	9-12
*Photography	379	11-12
Chorales	182	9-10
Cantorium	582	11-12
Intro to Band/HS Band	180/580	9-12
Orchestra	581	9-12
AP Music Theory	583	11-12
Beginning Guitar	280	10-12
Digital/Audio Music Prod.	281	10-12
Writing for Publications	504	10-12
Speech & Drama	502	10-12
Computer Literacy I & *II	190/191	9-12
Entrepreneurship	194	9-12
Creative Writing	501	10-12

Sample of Occupations Relating to This Career Cluster

Video Systems Technicians, Video Graphics, Special Effects and Animation, Audio-Video Designers and Engineers, Technical Computer Support Technicians, State, Film, Video, and DVD, Audio-Video System Service Technicians, Audio Systems Technicians, Graphics and Printing Equipment Operators, Lithographers and Platemakers, Computer Typography and Composition Equipment Operators, Desktop Publishing Specialists, Web Page Designers, Commercial Photographers, Digital, Still, Video, Film, Interior Designers, Commercial/Residential and Home Furnishings Coordinators, Graphic Designers, CAD Technicians, and Fashion Illustrators, Textile Designers, Commercial Artists, Illustrators and Artists, all Media, Curators and Gallery Managers, Fashion Designers, Production Managers, Digital, Video, Stage, Cinematographers, Film/Video Editors, Dancers, Play Writers, Screen Writers, Screen Editors, Script Writers, Directors and Coaches, Performers, Actors, Musicians, Make-Up Artists and Costume Designers, Stagecraft Designers, Lighters, Sets, Sound Effects, Acoustics, Painters, Composers, Conductors, and Music Instructors, Audio/Video Operations, Control Room Technician, Station Managers and Radio & TV Announcers, Publishers, Editors, and Journalists and Reporters, Print, Broadcast, Other, Broadcast Technicians, Telecommunication Technicians, Telecommunication Equipment, Cable, Line Repairers/Installers, Telecommunication Computer Programmers

Go to <https://careertech.org/career-clusters> for additional information.

*Course that has a prerequisite



Business, Management & Administration

Recommend Courses of Study		
Course Name	Course #	Grade Level
Computer Literacy I	190	9-12
*Computer Literacy II	191	9-12
Business & Personal Law	292	11-12
*Accounting I	390	11-12
*Accounting II	490	12
Personal Finance	392	11-12
*Marketing Coop Work Exp.	499	12
*Business Coop Work Exp.	495	12
Production Graphics	179	10-12
Entrepreneurship	194	9-12
Hillmen Outlets	295	11-12
Intro to Marketing/Entertain.	290	11-12
Speech & Drama	502	10-12
Civics	312	11-12
Global Studies	315	11-12
Intro to Psychology/AP Psych.	413/414	11-12

Sample of Occupations Relating to This Career Cluster

Entrepreneurs, Relations Managers, Human Resource Managers, Facilities Managers, Meeting & Convention Planners, Sports & Entertainment Managers, Hospital Management, Public Relations Specialists, Accountants, Adjuster, Auditor, Bookkeeper, Budget Manager, Controller, Merger & Acquisitions Manager, Finance Director, Certified Public Accountant, Accounts Receivable Clerk, Billing Clerk, Industrial Relations Director, Compensation & Benefits Managers, Human Resources Consultant, Corporate Trainer Mediators/Arbitrators, Employer Relations Representatives, Affirmative Action Coordinators, Equal Employment Opportunity Specialists, Interpreters & Translators, Compensation, Human Resources Information Systems Specialists, Systems Analyst, Product Manager, Price Analyst, Store Manager, Salesperson, Customer Service Supervisor, Counter Person, Customer Service Clerk, Research & Development Manager, Property, Real Estate and Association Manager & Supervisor, Small Business Owner & Entrepreneur, E-Commerce Manager & Entrepreneur, Wholesale & Retail Buyer, Warehouse Manager, Market Researcher, Public Relations Specialist, Public Relations Writer, Copywriter, Media Coordinator, Art Director, Graphic Designer, Wholesale, Freight, Stocking, Handling, Material Moving and Packing Worker, Traffic, Shipping, & Receiving Clerk, Telemarketer, Administrative Assistant, Information Assistant, Desktop Publisher, Customer Service Assistant, Data Entry Specialists, Receptionist, Computer Operator, Court Reporter, Stenographer, Shipping & Receiving Personnel, Typists, Medical Transcriptionist, Legal Secretaries, Paralegals

Go to <https://careertech.org/career-clusters> for additional information.

*Course that has a prerequisite



Education & Training

Recommend Courses of Study

Course Name	Course #	Grade Level
Speech & Drama	502	10-12
Writing for Publications	504	10-12
Entrepreneurship	194	9-12
Media Literacy	203	10-12
Creative Writing	501	10-12
AP Music Theory	583	11-12
Civics	312	11-12
Intro to Psychology/AP Psych.	413/414	11-12
Infant/Toddler Development	3631	10-12
*Child Development	3632	10-12

Sample of Occupations Relating to This Career Cluster

Superintendents, Principals, Administrators, Supervisors and Instructional Coordinators, Education Researchers, Test Measurement Specialists, College Presidents, Deans, Curriculum Developers, Instructional Media Designers, Psychologists- Clinical, Developmental-Social, Social Workers, Parent Educators, Counselors, Speech-Language Pathologists and Audiologists, Preschool & Kindergarten Teachers, Elementary Teachers, Secondary Teachers, Special Education Teachers, College/University Lecturers, Professors, Human Resources, Trainers, Physical Trainers, Coaches, Child Care Directors, Child Care Workers, Child Life Specialist, Nanny, Early Childhood Teachers, Teacher Assistants, Group Workers and Assistants.

Go to <https://careertech.org/career-clusters> for additional information.

*Course that has a prerequisite



Finance

Recommend Courses of Study


Course Name	Course #	Grade Level
Computer Literacy I	190	9-12
*Computer Literacy II	191	9-12
Entrepreneurship	194	9-12
Business & Personal Law	292	11-12
*Hillmen Outlets	295	11-12
*Accounting I	390	11-12
*Accounting II	490	12
Personal Finance	392	11-12
*Business Coop Work	495	12
*Marketing Coop Work	499	12

Sample of Occupations Relating to This Career Cluster


Personal Financial Advisor, Tax Preparation, Sales Agents, Securities, Commodities, Investment Advisors, Brokerage Clerk (Assistant), Development Officers, Accountants, Financial Analysts, Treasurers, Controllers and Chief Revenue Agents, Auditor, Economist, Tax Examiners, Collectors, Revenue Agents, Credit Analyst, Loan Officers, Bill and Account Collectors, Tellers, Loan Processors, Customer Service Reps, Data Processors, Accounting, Internal Auditors, Compliance Officers, Title Researchers & Examiners, Abstractors, Credit Report Providers, Repossession Agents, Network Services, Operations Managers, Debt Counselors, Claims Agents, Examiners, and Investigators, Claims Clerks, Insurance Appraisers, Underwriters, Actuaries, Sales Agents, Customer Service Agents, Processing Clerks, Direct Marketing.

Go to <https://careertech.org/career-clusters> for additional information.

*Course that has a prerequisite

		Government & Public Administration	
Recommend Courses of Study			
Course Name	Course #	Grade Level	
Media Literacy	203	10-12	
Speech & Drama	502	10-12	
Writing for Publications	504	10-12	
AP U.S. History	215	10-12	
Creative Writing	501	10-12	
Civics	312	11-12	
AP U.S. Government	314	11-12	
Global Studies	315	11-12	
Intro to Psychology/AP Psych.	413/414		
Sample of Occupations Relating to This Career Cluster			
<p><i>President, Vice President, Governor, Lieutenant Governor, Mayor, Cabinet Level Secretary, Representative, Senator, Assistants, Deputies, and Chiefs of Staff, Commissioner, Congressional Aide, Legislative Aide, Lobbyist, Policy Advisor, National Security Advisor, Staff or Field Officer, Officer/Specialist: Electronic Warfare Operations, Combat Operations, Infantry Field Artillery, Air Defense Artillery, Special Forces, Armor, Munitions, Nuclear Weapons, Missile and Space Systems, Military Intelligence, Signals Intelligence, Surface Ship Warfare Officer, Submarine Officer, Combat Control Officer, Combat Engineer, Combat Aircraft Pilot/Crew, Airborne Warning/Control Specialist, Intelligence/Counterintelligence, Agent/Specialist, Intelligence Analyst, Cryptographer, Ambassador, Foreign Service Officer: Consular Officer, Administrative Officer, Political Officer, Economic Office, Diplomatic Courier, Business/Enterprise Official, Chief of Vital Statistics, Commissioner, Director, Economic Development Coordinator, Federal Aid Coordinator, Census Clerk, County Director, Census Enumerator, Planner, Program Associate, Global Imaging Systems Specialist Assessor, Tax Auditor, Internal Revenue Investigator, Revenue Agent/Officer, Tax Examiner/, Assistant/Clerk, Inspector General, Tax Attorney, Tax Policy Analyst, Business Regulation Investigator, Chief of Field Operations, Code Inspector/Officer, Director, Equal-Opportunity Officer, Inspector Investigator/Examiner, Chief Bank Examiner, Bank Examiner, Aviation Safety Officer, Border Inspector, Cargo Inspector, Election Supervisor, Enforcement Specialist, Immigration Officer, City Manager, City Council, City or County Clerk, Court Administrator or Clerk, Executive Director/, Officer/Associate: Foundation, Association, Charitable Organization, Industrial Foundation, Chamber of Commerce, General Service Officer, Management Analysis Officer, Program Administration Officer.</i></p> <p>Go to https://careertech.org/career-clusters for additional information.</p>			

*Course that has a prerequisite

		Health Science	
Recommend Courses of Study			
Course Name	Course #	Grade Level	
Biology	121	9-10	
*Chemistry	221	10-12	
*Human Biology	222	10-12	
*Physics	322	11-12	
Intro to Psychology/AP Psych.	413/414	11-12	
*AP Chemistry	421	11-12	
Sample of Occupations Relating to This Career Cluster			
<p><i>Acupuncturist, Anesthesiologist Assistant, Art/Music/Dance Therapist(s), Athletic Trainer, Audiologist, Certified Nursing Assistant, Chiropractor, Dental Assistant / Hygienist, Dental Lab Technician, Dentist, Dietician, EMT, Exercise Physiologist, Home Health Aide, Kinesiotherapist, Licensed Practical Nurse, Massage Therapist, Medical Assistant, Mortician, Occupational Therapist / Asst, Ophthalmic Medical Personnel, Optometrist, Paramedic, Pharmacist/Pharmacy Tech, Physical Therapist / Assistant, Physician (MD/DO), Physician's Assistant, Psychologist, Recreation Therapist, Registered Nurse, Respiratory Therapist, Social Worker, Speech Language Pathologist, Surgical Technician, Veterinarian / Vet Tech, Clinical Lab Technician, Computer Tomography (CT) Technologist, Cytogenetic Technologist, Cytotechnologists, Diagnostic Medical Sonographers, (ECG) Technician, Exercise Physiologist, Geneticist, Histotechnician, Magnetic Resonance (MR) Technologist, Mammographer, Medical Technologist / Clinical Laboratory Scientist, Nuclear Medicine Technologist, Nutritionist Pathologist, Phlebotomist, (PET) Technologist, Radiologic Technologist/, Radiologist, Admitting Clerk, Community Services Specialists, Data Analyst, Epidemiologist, Ethicist, Health Educator, Health Information Coder, Medical Assistant, Medical Librarian/Cybrarian, Patient Advocates, Public Health Educator, Risk Management, Social Worker, Transcriptionist, Biomedical / Clinical Engineer, Biomedical / Clinical Technician, Environmental Health and Safety, Environmental Services, Facilities Manager, Food Service, Hospital Maintenance Engineer, Industrial Hygienist, Transport Technician, Biochemist, Bioinformatics Specialist, Biomedical Chemist, Biostatistician, Cell Biologist, Clinical Trials Research Associate, Geneticist, Lab Assistant, Microbiologist, Pharmaceutical Scientist, Quality Assurance Technician, Research Assistant, Toxicologist.</i></p> <p>Go to https://careertech.org/career-clusters for additional information.</p>			

*Course that has a prerequisite



Hospitality & Tourism

Recommend Courses of Study		
Course Name	Course #	Grade Level
Food Science	160	9-12
Baking I / *Baking II	3621/3622	9-12
Cooking Outside the Box	366	9-12
Computer Literacy I	190	9-12
*Computer Literacy II	191	9-12
Media Literacy	203	10-12
Speech & Drama	502	10-12
Intro to Mktg/Entertainment	290	11-12
*Sports/Entertainment Mktg	291	11-12
Entrepreneurship	194	9-12
*Hillmen Outlets	295	11-12
Accounting I	390	11-12
*Accounting II	490	12
*Business Coop Work	495	12
*Marketing Coop Work	499	12

Sample of Occupations Relating to This Career Cluster

General Manager, Food & Beverage Manager, Catering & Banquets Manager, Service Manager, Restaurant Owner, Baker, Caterer, Chef, Cook, Bartender, Restaurant Server, Host, Front Office Manager, Executive Housekeeper, Director of Sales & Marketing, Director of Human Resources, Director of Security, Food & Beverage Director, Resident Manager, General Manager, Regional Manager, Quality Assurance Manager, Owner/Franchisee, Front Desk Supervisor, Reservations Supervisor, Bell Captain, Shift Supervisor, Valet Attendant, Concierge, Public Space Cleaner, Maintenance Worker, Van Driver, Director of Sales, Group Sales Manager, Events Manager, Convention Services Manager, Travel Agent, Event Planner, Special Events Producer, Transportation Specialist, Visitor Center Counselor, Tour Guide, Tour Operator, Motor Coach Operator, Interpreter, Club Manager, Parks & Gardens Director, Parks & Gardens Activity Coordinator, Resort Instructor, Gaming & Casino Dealer, Historical/Cultural/Architectural Ecological Industrial Sites Guides/Ranger, Museums/Zoos/Aquariums Exhibit Developer

Go to <https://careertech.org/career-clusters> for additional information.

*Course that has a prerequisite



Human Services

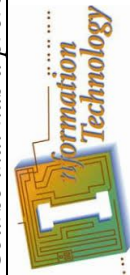
Recommend Courses of Study		
Course Name	Course #	Grade Level
Computer Literacy I	190	9-12
*Computer Literacy II	191	9-12
Entrepreneurship	194	9-12
*Hillmen Outlets	295	11-12
Speech & Drama	502	10-12
Civics	312	11-12
Global Studies	315	11-12
Intro to Psychology /AP Psych	413 / 414	11-12
Infant/Toddler Development	3631	10-12
*Child Development	3632	10-12

Sample of Occupations Relating to This Career Cluster

Directors, Childcare Facilities, Assistant Directors, Childcare Facilities, Elementary School Counselors, Preschool Teachers, Educators for Parents, Nannies, Teacher's Assistant, Childcare Assistants/Workers, Clinical and Counseling Psychologists, Industrial-Organizational Psychologists, Sociologists, School Counselors/Psychologists, Substance Abuse and Behavioral Disorder Counselors, Mental Health Counselors, Vocational Rehabilitation Counselors, Career Counselors, Employment Counselors, Residential Advisors, Marriage, Child and Family Counselors, Community Service Directors, Adult Day Care Coordinators, Coordinators of Volunteers, Licensed Professional Counselors, Religious Leaders, Directors, Religious Activities/Education Programs, Human Services Worker, Social Services Workers, Vocational Rehabilitation Counselors, Employment Counselors, Career Counselors, Vocational Rehabilitation Service Workers, Leisure Activities Coordinators, Dieticians, Geriatric Service Workers, Adult Day Care Workers, Residential Advisors, Emergency and Relief Workers, Community Food Service Workers, Community Housing Service Workers, Social and Human Services Assistants, Barbers, Cosmetologists, Hair-dressers, & Hairstylists, Shampooers, Nail Technicians, Manicurists & Pedicurists, Skin Care Specialists/Estheticians, Electrolysis Technicians, Electrologists, Funeral Directors/Morticians, Embalmers, Funeral Attendants, Personal and Home Care Aides, Companions, Spa Attendants, Personal Trainers, Massage Therapists.

Go to <https://careertech.org/career-clusters> for additional information.

*Course that has a prerequisite



Information Technology

Recommend Courses of Study		
Course Name	Course #	Grade Level
Information		
Production Graphics	179	10-12
Computer Literacy I	190	9-12
*Computer Literacy II	191	9-12
*Multimedia	279	9-12
*Photography	379	11-12
Technology		
Intro. to Engineering Design	172	9-12
*Principles of Engineering	328	10-12
Computer Science/Software Engineering	272	10-12
Advanced Manufacturing	277	10-12
*Woodworking & Design I	376	9-12
*Woodworking & Design II	378	10-12
*Technology Education Coop	475	12
Entrepreneurship	194	9-12
Speech & Drama	502	10-12
Sample of Occupations Relating to This Career Cluster		
<p><i>Network: Administrator, Analyst, Architect, Engineer,ager, Operations Analyst, Specialist, Technician, Transport Administrator, PC Support Specialist</i> <i>Systems: Administrator, Engineer, Technical Support Specialist, User Support Specialist, Data: Administrator, Analyst, Architect, Management Associate, Modeler Help Desk: Specialist, Technician, Maintenance Technician, PC Support Specialist, PC Systems Coordinator, Product Support Engineer, Sales Support Technician, Systems Analyst Technical: Account Manager, Support Engineer, Support Representative, Testing Engineer; Data: Systems Designer, Systems Manager, Warehouse Designer, E-Business Specialist, Digital Media: 2D/3D Artist, Animator, Audio/Video Engineer, Media/Instructional Designer</i> <i>Multimedia: Author, Authoring Specialist, Programmer, Virtual Reality Specialist Applications: Analyst, Engineer, Business Analyst, Computer Engineer, Data Modeler Operating System: Designer/Engineer, Programmer Analyst, Programmer, Project Lead Software Applications: Specialist, Architect, Design Engineer, Development Engineer</i></p>		

*Course that has a prerequisite




Law, Public Safety, Corrections & Security

Recommend Courses of Study		
Course Name	Course #	Grade Level
Computer Literacy I	190	9-12
*Computer Literacy II	191	9-12
Entrepreneurship	194	9-12
Business & Personal Law	292	11-12
Speech & Drama	502	10-12
Civics	312	11-12
Global Studies	315	11-12
*Physics	322	11-12
AP Government and Politics	314	11-12
Psychology/AP Psychology	413 / 414	11-12
*AP Chemistry	421	11-12
Sample of Occupations Relating to This Career Cluster		
<p><i>Warden, Jail Administrator, Program Coordinator and Counselor, Public Information Officer, Case Manager, Community Corrections Practitioner, Probation/parole officer, Corrections Officer, Youth Services Worker, Facility Maintenance Workers, Transport Officer, Medical Staff, Dietitian, Emergency Management and Response Coordinator, EMT, Fire Fighter, Hazardous Materials Responder, Dispatcher, Training Officer, Rescue Workers, Security Director, Security Systems Designer/Consultant, Information Systems Security Specialist, Computer Forensics specialist, Loss Prevention/Security Manager, Security Systems Technician, Investigative Assistant, Security Trainer, Transportation Security Supervisor, Information Security, Supervisory Security officer (armed, unarmed), Certified Security Officer, Armored Car Guard, Control Center Operator, Uniformed Security Officer (Unarmed --armed), Computer Security Specialist, Computer Forensics Examiner, Gaming Surveillance Specialist, Information Security specialist, Armored Car Guards, Industrial Espionage Security, Life Guard, Ski Patrol, Private Security Specialist, Animal Control Officer, Child Support, Missing Persons, Unemployment Fraud Investigators, Criminal Investigators & Special Agents, Bomb Technician, Game Enforcement Officer, Highway Patrol Pilots, Immigration & Customs Inspectors, Police Detectives and Criminal Investigators, Police, Fire & Ambulance Dispatchers, Police & Patrol Officers, Private Detectives & Investigators, Sheriffs & Deputy Sheriffs, Training Officer, Transit & Railroad Police, Park Ranger, Evidence Technician, Federal Marshall, Administrative Law, Attorney, Case Management Specialist, Court Reporter, File and, Document Manager, Information Officer, Investigator, Judge, Law Clerk, Legal Assistant, Legal Secretary, Magistrate, Mediator/Arbitrator, Negotiator, Para legal</i></p>		


Go to <https://careertech.org/career-clusters> for additional information.

*Course that has a prerequisite

 Manufacturing		
Recommend Courses of Study		
Course Name	Course #	Grade Level
*Welding & Fabrication	156	11-12
Exp. Mnfg & Construction	176	9-12
*Construction Technology I	276	9-12
Advanced Manufacturing	277	10-12
*Woodworking & Design I	376	10-12
*Woodworking & Design II	378	9-12
Intro to Engineering Design	172	9-12
Energy/Power/Transportation	174	9-12
Entrepreneurship	194	9-12
*Chemistry	221	10-12
Computer Science/Software Engineering	272	10-12
*Principles of Engineering	328	10-12
*Technology Education Coop	475	12
*Physics	322	11-12
*Photography	379	11-12
Sample of Occupations Relating to This Career Cluster		
<p>Assemblers, Automated Manufacturing Technicians, Calibration Technicians, Electrical Installers and Repairers, Foundry Workers, Grinding, Lapping, and Buffing Machine Operators, Hand Packers and Packers, Large Printing Press Machine Setters and Set-Up Operators, Machine Operators, Managers, Supervisors, Medical Appliance Makers, Milling Machine Setters, Millwrights, Cutters/Brazers, Soldering, Painters, Pattern & Model Makers, Precision Layout Workers, Precision Optical Goods Workers, Sheet Metal Workers, Solderers and Brazers, Tool and Die Makers, Welders, Design Engineers, Electronics Engineers, Industrial Engineers, Manufacturing Engineers, Manufacturing Technicians, Power Generating and Reactor Plant Operators, Process Improvement Technicians, Boilermakers, Communication System Installers/Repairers, Computer Installers/Repairers, Facility Electricians, Instrument Calibration and Repairers, Instrument Control Technicians, Laser Systems Technicians, Maintenance Repairers, Major Appliance Repairers, Meter Installers/Repairers, Millwrights, Plumbers, Pipefitters and Steamfitters, Security System Installers/Repairers, Calibration Technicians, Inspectors, Lab Technicians, Process Control Technicians, Quality Control Technicians, Communications, Transportation and Utilities Managers, Dispatchers, Stock, and Material Movers, Industrial Truck and Tractor Operators, Logistical Engineers, Logistician, Material Handlers, Material Movers, Process Improvement Technicians, Quality Control Technicians, Traffic Managers, Shipping, and Receiving Clerks, Environmental Specialists, Health and Safety Representatives, Safety Coordinators, Safety Engineers, Safety Team Leaders, Safety Technicians</p>		


Go to <https://careertech.org/career-clusters> for additional information.

*Course that has a prerequisite


 Marketing, Sales & Service		
Recommend Courses of Study		
Course Name	Course #	Grade Level
*Entrepreneurship	194	9-12
*Hillmen Outlets	295	11-12
Intro to Mktg/Entertainment	290	11-12
*Sports/Entertainment Mktg	291	11-12
Accounting I	390	11-12
*Accounting II	490	12
*Business Coop Work Exp.	494	12
*Marketing Coop Work Exp.	499	12
Computer Literacy I	190	9-12
*Computer Literacy II	191	9-12
Computer Science/Software Engineering	272	10-12
Speech & Drama	502	10-12
Writing for Publications	504	10-12
Creative Writing	501	10-12
Sample of Occupations Relating to This Career Cluster		
<p>Entrepreneurs, Small Business Owners, Chief Executive Officers, Franchisees, Independent Distributor, Customer Service Representatives, Regional Sales Managers, Client Relationship Managers, Territory Representatives / Managers, Sales Engineers, Sales Executives, Manufacturer's Representatives, Salespersons, Brokers, Agents, Field Representatives, Telemarketers, Customer Service Representatives, Store Managers, Merchandise Buyers, Operations Managers, Sales Managers, Department Managers, Customer Service Representatives, Clerks, Administrative Support Representatives, Public Relations Managers, Sales Promotion Managers, Promotions Managers, Art/Graphics Directors, Creative Directors, Sales Representatives, Media Buyers/Planners, Copywriters, Research Specialists, Customer Service Representatives, Database Managers, Marketing Services Managers, Customer Satisfaction Managers, Strategic Planners, Marketing Product Planners, Directors of Market Development, Research Associates, Knowledge Management Specialists, Interviewers, Warehouse Managers, Materials Managers, Traffic Managers, Distribution Coordinators, Shipping / Receiving Administrators, Shipping / Receiving Clerks, Customer Service Representatives, E-Merchandising Managers, E-Commerce Directors, Web Site Project Managers, Internet Project Directors On-line Market Researchers, Copywriters-Designers, Customer Support Specialists, Customer Service Representatives, Administrative Support Representatives</p>		

Go to <https://careertech.org/career-clusters> for additional information.

*Course that has a prerequisite

		Science, Technology, Engineering & Mathematics	
Recommend Courses of Study			
Course Name	Course #	Grade Level	
Biology	121	9-10	
*Chemistry	221	10-12	
Intro to Engineering Design	172	9-12	
Advanced Manufacturing	277	10-12	
*Principles of Engineering	328	10-12	
*Physics	322	11-12	
*Welding & Fabrication	156	11-12	
Food Science	160	9-12	
Digital/Audio Music Prod.	281	10-12	
Expl. Mnfg & Construction	176	9-12	
Production Graphics	179	10-12	
Energy/Power/Transportation	174	9-11	
*Woodworking & Design I/II	376/378	9-12	
*AP Chemistry	421	11-12	
*AP Calculus	431	12	
Sample of Occupations Relating to This Career Cluster			
<p><i>Aerospace Engineer, Biomedical Engineer, Civil Engineer, Computer Engineer, Computer Programmer, Computer Software Engineer, Construction Engineer, Drafter, Electrical Engineer, Environmental Engineer, Facilities Technician, Hazardous Waste Engineer, Hazardous Waste Technician, Industrial Engineer, Industrial Engineering Technician, Mechanical Engineer, Metallurgic Engineer, Naval Engineer, Network Technician, Packaging Engineer, Packaging Technician, Petroleum Engineer, Pharmaceutical Engineer, Power Systems Engineer, Radio/TV Broadcast Technician, Radiology Engineer, Safety Engineer, Software Engineer, Sound Technician, Structural Engineer, Telecommunications Engineer, Transportation Engineer, Archeologist, Astronomer, Biologist, Botanist, CAD operator, Cartographer, Chemist, Conservation scientist, Cosmologist, Cryptographer, Ecologist, Environmental scientist, Geneticist, Geologist, Geophysicist, Herpetologist, Hydrologist, Ichthyologist, Inorganic chemist, Laboratory Technician, Marine scientist, Mathematician, Metallurgist, Meteorologist, Microbial Physiologist, Nanobiologist, Nuclear chemist, Nutritionist, Oceanographer, Organic chemist, Ornithologist, Paleontologist, Physicist, Protozoologist, Research Technician, Science Teacher, Lab Technician, Statistician, Technical writer, Toxicologist, Zoologist</i></p> <p>Go to https://careertech.org/career-clusters for additional information.</p>			

*Course that has a prerequisite

		Transportation, Distribution & Logistics	
Recommend Courses of Study			
Course Name	Course #	Grade Level	
Intro to Engineering Design	172	9-12	
Entrepreneurship	194	9-12	
Energy/Power/Transportation	174	9-11	
*Principles of Engineering	328	10-12	
*Physics	322	11-12	
Sample of Occupations Relating to This Career Cluster			
<p><i>Air/Space Transportation: Transportation manager, Commercial pilot, Flight engineers; Flight attendants; Air traffic controllers; Aircraft cargo handling supervisors; Rail Transportation: Transportation managers; Dispatchers-rail; Locomotive engineers; Railway conductors and yardmasters; Railroad brake, signal and switch operators; other railway and terminal operations and support jobs</i></p> <p><i>Water Transportation: Transportation managers/Captains, Mates, Pilots of water vessels, Sailors and marine oilers. Ship engineers, Motorboat operators, Bridge and lock tenders</i></p> <p><i>Road Transportation: Transportation managers; Dispatchers; Truck driver; Bus drivers; Logisticians; Logistics manager; Logistics Engineers; Logistics analysis; Logistics consultants; Warehouse manager; shipping and receiving clerks; Production, planning, expediting clerks; Laborers and material movers-hand; stock and material movers.</i></p> <p><i>Facility: Facility maintenance managers and engineers, Electrical/electronic technicians</i></p> <p><i>Mobile Equipment: General--Mobile equipment maintenance managers, Electrical installers</i></p> <p><i>Rail--Signal and track switch repairers, Rail locomotive and car mechanics and repairers</i></p> <p><i>Road--Electronic equipment installers and repairers, Automotive body and related repairers, Automotive glass installers and repairers, Automotive service technicians and mechanics, Bus and truck mechanics and diesel engine specialists, Motorcycle mechanics, General--Intermodal--Urban and regional planners, Civil engineers, Surveying and mapping technicians, Government service executives, Environmental compliance inspectors</i></p> <p><i>Other---Other government agency managers, Regulators, Inspectors, other federal/state/local transportation agency jobs, Health and safety managers, Industrial health and safety engineers, Marketing managers, Sales managers, Reservation, travel and transportation agents/clerks, Cargo and freight agents, Customer service representatives, Customer order and billing clerks, Cashiers, counter and rental clerks</i></p> <p>Go to https://careertech.org/career-clusters for additional information.</p>			

AGRICULTURE AND NATURAL RESOURCES

Course	Title	Grade			
		9	10	11	12
153	Animal Science	X	X	X	X
154	Veterinary Science			X	X
157	Plant and Soil Science	X	X	X	X
160	Food Science	X	X	X	X
254	Horticulture and Landscape Design	X	X	X	X
258	Exploring Natural Resources	X	X	X	X
259	Agriculture Marketing and Leadership		X	X	X
455	Ag Cooperative Work Experience				X

Animal Science (153) ½ credit

Grades 9 – 12 Prerequisite: None

Note: Credit may be applied to the science requirement for high school graduation.

Students will become familiar with the overall care and management of domesticated animals. This course will include units in horses, dairy and beef cattle, sheep, goats, poultry, dogs, cats, animal welfare, current events, reproduction/genetics, animal health, and feeding/nutrition. Individual and group study will be highlighted by lab activities and/or field trips.

Veterinary Science (154) ½ credit

Lab Fee: \$10.00 Grades 11 – 12 Prerequisite: Biology & Animal Science, or Instructor’s permission

Note: Credit may be applied to the science requirements for high school graduation.

Veterinary Science is for students interested in learning more about careers related to animals, such as veterinarians or vet technicians. Current trends, career exploration and student leadership will be critical components. Students will study and explore hands-on about the tissue, circulatory, respiratory, nervous, digestive, and reproductive systems and perform dissections.

Plant and Soil Science (157) ½ credit

Lab Fee: \$10.00 Grades 9 – 12 Prerequisite: None

Note: Credit may be applied to the science requirements for high school graduation.

This course will cover the basic skills needed by a student interested in a career or hobby related to plant and soil science. Course work features units in careers, plant growth, plant anatomy, flowers, vegetables, and the interrelationship between plants, soil, environment and conservation. Students will explore the growth of their own corn plant and participate in many hands-on labs and activities. Students will learn the basics of growing main crops grown in the United States.

Food Science (160) ½ Credit

Lab Fee: \$15.00 Grades 9-12 Prerequisite: None

Note: Credit may be applied to the science requirements for graduation.

This applied science course studies how food affects our bodies. Students will complete experiments and write papers covering the important factors in the scientific evaluation of food. Students will learn basic scientific information and apply it to foods. Students will also study careers in food science.

Horticulture and Landscape Design (254) ½ credit

Lab Fee: \$10.00 Grades 9 – 12 Prerequisite: None

Horticulture prepares individuals to produce, process, and market plants, shrubs, and trees used principally for ornamental, recreational, and aesthetic purposes and to establish, maintain, and manage horticultural enterprises. Students will learn more about flowering plants, shrubs and trees and what works well in designing landscapes around Platteville. Designing, selecting, and purchasing of floral displays will also be covered and practiced in this course. Students will gain hands-on experience planting flowering plants, the school garden, aquaculture, and performing different forms of plant propagation.

Exploring Natural Resources (258) ½ credit

Grades 9 – 12 Prerequisite: None

Note: Credit for this course may be applied to the science requirements for high school graduation.

This course deals with major concerns affecting our environment and students will be able to work with nature! Hands-on projects such as taxidermy, orienteering, learning about forestry, Wisconsin wildlife preservation and control, deer hunting, waterfowl, resources for recreation, the water cycle, and pollution will be covered.

Agriculture Marketing and Leadership (259) ½ credit

Grades 11 – 12 Prerequisite: Instructor's permission

This course is designed for students with an interest in advancing their knowledge on current agriculture events and business, but it is also for students interested in becoming better leaders. Students will have the opportunity to meet many different people in agriculture careers, and will also plan many different events in the high school. Units will include: career exploration and planning, interviewing and public speaking skills, citizenship, investments, leadership styles, budgeting, product marketing, commodity marketing, record keeping, and production agriculture.

Agriculture Coop Work Experience (455) 1 credit

Grades 12 Prerequisite: Instructor's permission

This cooperative work experience is designed to develop entry level job skills in agriculture related occupations. This practical course is designed to provide each student with an opportunity to apply for a job and then accept it, in order to gain work experience. The course is intended to provide a minimum of 10 hours per week of work experience. In addition to earning a credit, the students can earn an hourly wage. The district has an obligation to ensure that students acquire relevant employability skills that could not otherwise be gotten in a traditional classroom or the home environment. As a result, employment placements with a family business will not be approved.

ART

Course	Title	Grade			
		9	10	11	12
287	Drawing I	X	X	X	X
289	Sculpture I	X	X	X	X
385	Art Metals and Jewelry I	X	X	X	X
288	Painting I		X	X	X
384	Pottery I		X	X	X
2871	Drawing II	X	X	X	X
2892	Sculpture II	X	X	X	X
3852	Art Metals and Jewelry II	X	X	X	X
2872/2873	Drawing III and Drawing IV		X	X	X
2893/2894	Sculpture III and Sculpture IV		X	X	X
3853/3854	Art Metals III and Art Metals IV		X	X	X
2882/2883/2884	Painting II, Painting III, Painting IV		X	X	X
3842/3843/3844	Pottery II, Pottery III, Pottery IV		X	X	X

**All Art courses may be taken at advanced levels if the student earns an A- or above in introductory courses.*

Drawing I (287) ½ credit

Grades 9-12 Prerequisite: None

Drawing 1 students will check out a materials tool box with all of their art supplies and be assigned a cubby to keep your projects in on day 1. You will learn how to create art with drawing pencils, pens, calligraphy, chalk pastel, oil pastel, colored pencil and printmaking. All projects are uploaded onto your Digital Art Portfolio on Artsonia.com and will be stored there years after you graduate.

Drawing II (2871) ½ credit and Drawing III (2872) ½ credit

Grades 9-12 Prerequisite: A- or better in previous Drawing Classes.

Students are checked out a different tool box with additional art supplies. All projects are outlined on worksheets with YouTube tutorials. The teacher helps explain projects, but this is primarily an independent class. Students are also expected to get a Choice and Competition piece done on top of their assigned projects from the teacher. Only students with an A- or better have shown the capability to handle the independence and workload for this class. Projects include (but not limited to) Value Drawing Micropen, Scratchboard, Screen Printing, and Marker Rendering.

Drawing IV (2873) ½ credit

Grades 10-12 Prerequisite: A- or better in previous Drawing Classes.

Students have EARNED the right to be completely independent in the selection of their projects. They are still expected to get a minimum of 4 projects done a quarter. Students will take on the responsibility of tying in 4 different art standards for each project. This process has already been done by the teacher in all projects in Year 1-3 classes. The advanced student now takes on that responsibility. The teacher is more than willing to help them navigate that task until they are used to it.

Painting I (288) ½ credit

Grades 10-12 Prerequisite: None

Painting 1 students will check out a materials tool box with all of their art supplies and be assigned a cubby to keep your projects in on day 1. You will learn how to create art with acrylic paints, oil paints, watercolor, fluid paints, and how to dye fabric for a batik. Your last project is an independent project that you get to go back and practice one of your favorite mediums again!

Painting II (2882) ½ credit and Painting III (2883) ½ credit

Grades 10-12 Prerequisite: A- or better in previous Painting Classes.

Students are checked out a different tool box with additional art supplies. All projects are outlined on worksheets with YouTube tutorials. The teacher helps explain projects, but this is primarily an independent class. Students are also expected to get a Choice and Competition piece done on top of their assigned projects from the teacher. Only students with an A- or better have shown the capability to handle the independence and workload for this class. Projects include Value Drawing Micropen, Scratchboard, Screen Printing, and Marker Rendering. Projects include stretched watercolor paper, digital self-portrait, multi-panel paintings, school and community murals, etc.

Painting IV (2884) ½ credit

Grades 10-12 Prerequisite: A- or better in previous Drawing Classes.

Students have EARNED the right to be completely independent in the selection of their projects. They are still expected to get a minimum of 4 projects done a quarter. Students will take on the responsibility of tying in 4 different art standards for each project. This process has already been done by the teacher in all projects in Year 1-3 classes. The advanced student now takes on that responsibility. The teacher is more than willing to help them navigate that task until they are used to it. (Same format as Drawing IV but with Painting mediums). All projects are uploaded onto your Digital Art Portfolio on Artsonia.com and will be stored there years after you graduate.

Sculpture I (289) ½ credit

Grades 9-12 Prerequisite: None

Course Fee: \$20 (this covers the cost of stained glass and mosaic supplies)

Don't like clay because it's too messy? Then try this art class in which we focus on the "non-clay" side of sculpture. Complete one of the most popular art projects at Platteville and create a glass mosaic that you will be sure to hang up in your room! Also travel to Madison with us as we pick out glass for your stained glass project and learn about other glass art forms. In between these two main projects, you will explore the flexibility of non-clay sculptural materials such as yarn painting, wood, and paper mache' as well as materials that Industrial Designers use. Students will study the work of famous sculptors – past and present.

Sculpture II (2892) ½ credit

Sculpture III (2893) ½ credit

Grades 9-12 Prerequisite: A- or better in previous Sculpture Classes.

Course Fee: \$20 (this covers the cost of stained glass and mosaic supplies that get expensive)

Students are checked out a different tool box with additional art supplies. All projects are outlined on worksheets with YouTube tutorials. The teacher helps explain projects, but this is primarily an independent class. Students are also expected to get a Choice and Competition piece done on top of their assigned projects from the teacher. Only students with an A- or better have shown the capability to handle the independence and workload for this class. Projects include (but not limited to) Value Drawing Micropen, Scratchboard, Screen Printing, and Marker Rendering. Projects include, wire trees, 3D stained glass, stained glass with lead channel, ceramic mosaics, mosaics on 3D object, quilling, soapstone carving, clear tape body sculpture, etc.

Sculpture IV (2894) ½ credit

Grades 10-12 Prerequisite: A- or better in previous Drawing Classes.

Course Fee: \$20 (this covers the cost of stained glass and mosaic supplies that get expensive)

Students have EARNED the right to be completely independent in the selection of their projects. They are still expected to get a minimum of 4 projects done a quarter. Students will take on the responsibility of tying in 4 different art standards for each project. This process has already been done by the teacher in all projects in Year 1-3 classes. The advanced student now takes on that responsibility. The teacher is more than willing to help them navigate that task until they are used to it. (Same format as Drawing IV but with Sculpture mediums)

Pottery I (384) ½ credit

Grades 10-12 Prerequisite: None

They never said that creating art wasn't messy. In this class, we put that saying to the test! For those of you who like the pottery wheel, you'll have a chance to work on it for an entire quarter. This way you'll gain a clear understanding of how to throw on a potter's wheel with projects including mugs, plates, vases, lidded pieces and ring bottles. During class, you will also improve upon other various hand-building techniques such as coil and slab building as well as a clay sculpture! Students will learn to use language devoted to the study of ceramic arts.

Pottery II (3842) ½ credit**Pottery III (3843) ½ credit****Grades 10-12 Prerequisite: A- or better in previous Pottery Classes.**

Students are checked out a different tool box with additional art supplies. All projects are outlined on worksheets with YouTube tutorials. The teacher helps explain projects, but this is primarily an independent class. Students are also expected to get a Choice and Competition piece done on top of their assigned projects from the teacher. Only students with an A- or better have shown the capability to handle the independence and workload for this class. Projects include, altered bowls, goblets, book ends, large coil pottery, miniature sculpture, etc.

Pottery IV (3844) ½ credit**Grades 11-12 Prerequisite: A- or better in previous Drawing Classes.**

Students have EARNED the right to be completely independent in the selection of their projects. They are still expected to get a minimum of 4 projects done a quarter. Students will take on the responsibility of tying in 4 different art standards for each project. This process has already been done by the teacher in all projects in Year 1-3 classes. The advanced student now takes on that responsibility. The teacher is more than willing to help them navigate that task until they are used to it. Same format as Drawing IV but with clay mediums.

Art Metals and Jewelry I (385) ½ credit**Grades 9-12 Prerequisite: None**

Art Metals and Jewelry Design is sure to be one of the classes that you'll only have one chance in your lifetime to take. Designed more for the student who enjoys building things as opposed to drawing them, this class will be broken into two main sections. The first nine weeks you will learn how to make rings using a centrifugal casting machine, as well as cutting out pendants, coins and enameling. The second nine weeks will be focused on Jewelry Design in which you will be making necklaces out of beads, hemp, wrapping rocks, bending wire for rings, weave a band on an Inkle Loom and even make your own Chainmail project! This will be a great class and you will have the chance to design your own jewelry that can still be worn 20 years after you graduate.

Art Metals and Jewelry II (3852) ½ credit**Art Metals and Jewelry III (3853) ½ credit****Grades 9-12 Prerequisite: A- or better in previous Art Metals and Jewelry Class.**

Students are checked out a different tool box with additional art supplies. All projects are outlined on worksheets with YouTube tutorials. The teacher helps explain projects, but this is primarily an independent class. Students are also expected to get a Choice and Competition piece done on top of their assigned projects from the teacher. Only students with an A- or better have shown the capability to handle the independence and workload for this class. Projects include (but not limited to) Value Drawing Micropen, Scratchboard, Screen Printing, and Marker Rendering. Projects include, hand beading, making your own glass beads, working a bead loom, riveting metal, making rings out of wood, etc.

Art Metals and Jewelry IV (3854) ½ credit**Grades 11-12 Prerequisite: A- or better in previous Drawing Classes.**

Students have EARNED the right to be completely independent in the selection of their projects. They are still expected to get a minimum of 4 projects done a quarter. Students will take on the responsibility of tying in 4 different art standards for each project. This process has already been done by the teacher in all projects in Year 1-3 classes. The advanced student now takes on that responsibility. The teacher is more than willing to help them navigate that task until they are used to it. Same format as Drawing IV but with Art Metals and Jewelry supplies.

BUSINESS AND MARKETING

Course	Title	Grade			
		9	10	11	12
190	Computer Literacy & Applications I	X	X	X	X
191	Computer Literacy & Applications II	X	X	X	X
194	Entrepreneurship	X	X	X	X
290	Introduction to Marketing & Entertainment			X	X
291	Sports & Entertainment Marketing			X	X
292	Business & Personal Law			X	X
295	Hillmen Outlets			X	X
390	Accounting I			X	X
490	Accounting II				X
392	Personal Finance			X	X
495	Business Occupations Work Experience				X
499	Marketing Occupations Work Experience				X

Computer Literacy and Applications I (190) ½ credit

Grades 9-12 Prerequisite: None

This course enables students to enhance proficiency with Microsoft Office products including, but not limited to, keyboarding skills, basic formatting of business and personal letters, preparing business reports, creating a resume, constructing letterhead stationery, understanding concepts related to spreadsheet and database applications, email procedure and etiquette, desktop publishing applications, and file organization. Concepts learned will be applicable to documents used in high school, vocational, universities, and the employment field.

Computer Literacy and Applications II (191) ½ credit

Grades 9-12 Prerequisite: Computer Literacy and Applications I or Consent of Instructor

This course concentrates on advanced technological communication, which includes establishing a blog and learning how to be a good blogger, understanding and creating Wikispaces, and developing podcasts and podcast. Concepts learned will be applicable to communications used in post-secondary education and employment.

Entrepreneurship (194) ½ credit

Grades 9-12 Prerequisite: None

Business ownership can be a challenging, exciting, and rewarding way to make a living. This course will help you to understand the risks, skills, and knowledge to create and run a successful venture. The study of entrepreneurship will provide you with the exercises and information to help you prepare to become a business owner. The skills and processes you learn will help you in any future job you obtain. Knowing more about the businesses you patronize will also benefit you as a consumer.

Introduction to Marketing and Entertainment (290) ½ credit; Transcribed Credit Course

Grades 11-12 Prerequisite: None

Note: Students may be eligible for 3 credits at SWTC at no extra cost. This course will include foundational marketing concepts, including product promotion; advertising; retail marketing; sports and entertainment marketing; global marketing; and marketing management. Students will create and market a product as a culminating project. **This course will be a prerequisite for any future marketing courses.**

Sports & Entertainment Marketing (291) ½ credit

Grades 11-12 Prerequisite: Introduction to Marketing & Entertainment (290)

Note: This bi-annual course will be offered again in 2022-2023

This course examines the market-drive in sports and entertainment industries. Concepts and strategies related to the following will be covered: college, amateur, and professional sports; marketing products and services through sports; public images; entertainment industry; marketing entertainment; recreational marketing; careers in sports and marketing entertainment; and, legal issues for sports and marketing entertainment.

Business & Personal Law (292) ½ credit; Transcribed Credit Course**Grades 11-12****Note: Students may be eligible for 3 credits at Southwest Tech for this class at no cost.**

This course will give students an overview of legal matters related to both business and personal actions. The course will begin with an overview of ethics, how laws are made and the sources of law, and civil and criminal procedures. Students will differentiate among the types of law including criminal, civil, white-collar crimes, and employment law. Topics will include the following: contracts, consumer laws, warranties, rental relationships, cyber laws, negotiable instruments, consumer credit laws, intellectual property, and patent, copyrights, and trademark laws. The review of landmark cases which influence today's laws will be discussed to enhance student understanding of legal issues.

Hillmen Outlets (295) ½ credit**Grades 11-12 Prerequisite: Entrepreneurship (144) or Introduction to Marketing (290).****Must also submit an application (available from Business & Marketing instructor).**

Hillmen Outlets is a school-based enterprise (school store) where students will offer products for sale to the school and general population. Class members will be involved in the general management, marketing, merchandising, recordkeeping, and operations of a retail business through a practical approach. This course requires the student to examine his/her work ethic.

Accounting I (390) 1 credit ; Transcribed Credit Course**Grades: 11-12 Prerequisite: None****Note: Students may be eligible for 3 credits at Southwest Tech for this class at no cost.**

This year-long course is meant to be an introduction to the lucrative world of accounting and is highly recommended for anyone interested in any business field, including owning their own business or pursuing further academic study in business related subject matter. Students will complete the accounting cycle and learn to maintain all financial records for sole proprietorships and merchandising businesses organized as a corporation.

Accounting II (490) 1 credit**Grades: 12 Prerequisite: Accounting I (390)**

This year-long course is meant to be a continuation to the lucrative world of accounting and is highly recommended for anyone interested in any business field, including owning their own business or pursuing further academic study in business related subject matter. Students will learn about adjustments and the ten-column worksheet, financial statements for a corporation, the accounting cycle for a merchandising corporation, plant assets and depreciation, uncollectible accounts receivable, inventories, notes payable and receivable, and partnerships and the financial statements and liquidation of a partnership.

Personal Finance (392) ½ credit**Grades 11-12 Prerequisite: None**

This course will provide students with a greater understanding of and ability to manage their personal finances now and as they make the transition to the adult world. Students will learn about both online and traditional products and services for use in managing their money.

Business Occupations Work Experience (495) 1 credit; Grade: 12

The cooperative work experience program provides students an opportunity to apply the skills and knowledge they have gained in their business courses while gaining valuable work experience as they are employed at a local business. The students in this program may work an average of 10-20 hours per week. Students earn one credit for their year's work experience and an hourly wage. The district has an obligation to ensure that students acquire relevant employability skills that could not otherwise be developed in a traditional classroom or the home environment. As a result, employment placements with a family business will not be approved.

Marketing Occupations Work Experience (499) 1 credit; Grade 12

The cooperative work experience program provides students an opportunity to apply the skills and knowledge they have gained in their marketing courses while gaining valuable work experience as they are employed at a local business. The students in this program may work an average of 10-20 hours per week. Students earn one credit for their year's work experience and an hourly wage. The district has an obligation to ensure that students acquire relevant employability skills that could not otherwise be gotten in a traditional classroom or the home environment. As a result, employment placements with a family business will not be approved.

EARLY CHILDHOOD EDUCATION

Course	Title	Grade			
		9	10	11	12
3631	Infant & Toddler Development	X	X	X	X
3632	Child Development	X	X	X	X

Infant and Toddler Development (3631) ½ credit; Transcribed Credit Course

Grades 9-12 Prerequisite: None

Note: Students are eligible for 3 dual credits at Southwest Tech for this class at no cost to the student.

Students study infant and toddler's development as it applies to an early childhood setting. Students integrate strategies that support diversity and anti-bias perspectives; analyze development of infant and toddler (conception to three years); correlate parental conditions with development; summarize child development theories; analyze the role of heredity and the environment; examine research-based models; examine culturally and developmentally appropriate environments for infants and toddlers. Students will participate in various field trips to local child care centers, Neil Wilkins and Westview, and will hear from speakers in several professions related to child development/childcare.

Child Development (3632) ½ credit; Transcribed Credit Course

Grades 9-12 Prerequisite: Infant and Toddler Development (3631) with a passing grade.

Note: Must be 16 years old to take this course.

Note: Students are eligible for 3 dual credits at Southwest Tech for this class at no cost to the student.

Students examine child development within the context of the early childhood education setting. Students analyze social, cultural, economic influences on child development; summarize child development theories; analyze development of children age three through age eight; summarize the methods and designs of child development research; analyze the role of heredity and the environment. Students will participate in various field trips to local child care centers, Neil Wilkins and Westview, and will hear from speakers in several professions related to child development/childcare.

CULINARY ARTS

Course	Title	Grade			
		9	10	11	12
3621	Baking I	X	X	X	X
3622	Baking II	X	X	X	X
366	Cooking Outside the Box	X	X	X	X

Baking I (3621) ½ credit; Transcribed Credit Course

Grades 9-12, Recommended for Grades 11-12 Prerequisite: None Lab Fee: \$25.00

Recommendation: Basic math proficiency (addition, subtraction, division, multiplication, fractions, measurements, and measurement conversions)

Note: Students are eligible to earn 2 dual credits at Southwest Tech for this class at no cost to the student.

Students will produce quick breads, basic yeast breads, pies, cakes, and cookies. Students will develop an understanding of basic ingredients, how to follow recipes, and about methods that impact product quality and consumer perception of goods. Together students develop skills of professionalism, such as teamwork, pride, dedication, knowledge, and judgment while using safe practices during kitchen labs.

Baking II (3622) ½ credit; Transcribed Credit Course

Grades 9-12, Recommended for Grades 11-12 Prerequisite: Baking 1 with C or better Lab Fee: \$25.00

Recommendation: Basic math proficiency (addition, subtraction, division, multiplication, fractions, measurements, and measurement conversions)

Note: Students are eligible to earn 2 dual credits at Southwest Tech for this class at no cost to the student.

Students will produce artisan breads such as French baguettes, laminated dough products (turn-overs/butterflake rolls etc.), pate a choux dough (churros/eclairs etc.), upscale pies- where design features are practiced, cheesecakes, custards and a portfolio of their work. Students will demonstrate culinary skills through analyzing recipes, preparing from standardized recipes, maintaining a workstation, and learning about food service operations and their relation to sustainability. Students will also have the opportunity to learn about future employment and educational opportunities through field trips.

Cooking Outside the Box (366) ½ credit; Transcribed Credit Course

Grades 9-12, Recommended for Grades 11-12 Prerequisite: None Lab Fee: \$25.00

Recommendation: Basic Math Proficiency (addition, subtraction, division, multiplication, fractions, measurements, and measurement conversions)

Note: Students are eligible to earn 2 dual credits at Southwest Tech for this class at no cost to the student.

This is a hands-on cooking class teaching culinary principles and science. Learn how to make all your favorite foods from scratch. Non-cooking units of study may include: Professionalism, Safety/Sanitation, Menus/Recipes, Tools/Equipment, Knife Skills, Flavors/Flavorings, and Principles of Cooking. These units are intertwined with kitchen lab units including: Stocks/Sauces, Principles of Meat Cookery, Eggs/Breakfast, Vegetables, Potato Grains/Pasta, Healthy Cooking, Fruits, Sandwiches, Hors d'oeuvres/Canapés.

ENGLISH

Each student is required to have successfully completed 4 credits in English for graduation.

Course	Title	Grade			
		9	10	11	12
101	English 9	X			
201	English 10		X		
301	English 11			X	
303	English and Technology			X	
304	AP Language and Composition			X	
401	English 12				X
403	Technical Communications				X
404	AP Literature and Composition				X
203	Media Literacy		X	X	X
501	Creative Writing (<i>offered again in 2022-2023 school year</i>)		X	X	X
502	Speech & Drama (<i>offered again in 2022-2023 school year</i>)		X	X	X
504	Writing for Publications			X	X

English 9 (101) 1 credit; Grade 9

Students will read several pieces of literature, as well as respond to these works through writing, testing, and a variety of creative projects. Students will work on their grammar, usage and composition skills, and technology use as part of several units. Throughout the year, students will practice writing essays and will also complete a variety of formal and informal speaking activities.

English 10 (201) 1 credit; Grade 10

English 10 combines all aspects of communication—reading, writing, speaking, listening, and the media. The reading of choice novels and mentor text is emphasized, as well as plays and poetry. Students study and use the writing process at length before moving on to narrative, research, persuasive, and creative writing. Grammar and the mechanics of writing are included. Students engage in a variety of formal and informal speaking and listening activities.

English 11 (301) 1 credit; Grade 11

This course focuses on preparing students for English 12. Students enrolled in this course are generally planning to attend a four-year college after graduation. They will develop their skills in English grammar, usage and vocabulary; write a variety of compositions; and study the progression of American literature. Writing skills prepare students for college, writing beyond the five-paragraph essay. Other writing skills include research, persuasion, resumes, and letters of application. Basic language usage and communication skills are stressed through college preparatory reading, writing and speaking.

English and Technology (303) 1 credit; Grade 11

This course will focus on the integration of English, technology and word processing skills. Students will study and apply various skills learned throughout the following units of instruction: technology, American Literature, grammar and writing skills, word processing skills, and an exploration of applied reading comprehension, speaking and writing as they relate to the world of work. **NOTE: *English & Technology (303) does not meet admission requirements for four-year college bound students.***

AP Language and Composition (304) 1 credit; Grade 11

Prerequisite: Students should meet at least two of the following criteria: English teacher recommendation, 3.5 GPA, qualifying WKCE or ACT Interim/ASPIRE score.

This alternative to the English 11 course is a combination of the first semester of the 301 course with an Advanced Placement emphasis second semester. The course will strengthen students' composition skill, as they will learn to critically read and respond to literature, developing an arsenal of writing strategies. It is possible for students to receive college English credit at most post-secondary schools if they pass the optional national Advanced Placement Language and composition exam which is given in May. Specific summer assignments are expected and students in the class must enjoy reading and writing and want to work to improve their skills, for they read and write more than double the amount of material as those students in English 301.

English 12 (401) 1 credit; Grade 12

English 12 challenges the four-year, college-bound student to read and respond widely and deeply to literary and informational texts in order to foster a deeper understanding of the human experience and to prepare for the demands of college and the 21st century. Students will use a variety of thinking strategies to analyze, understand, and create text for personal enrichment, inquiry, and problem solving. They will collect, analyze and cite specific evidence from text, formulate questions, construct arguments, make decisions, and change thinking. Students will also be expected to obtain, analyze, and synthesize information from a variety of resources to express information, change perspectives, clarify thinking, and make informed decisions. Above and beyond the regular coursework, students will be expected to regularly read a book from the college-bound reading list.

Technical Communications (403) 1 credit; Grade 12

This course will build on skills taught in English and Technology. Students will develop technical reading, writing, and speaking skills, using computer technology as often as possible. This course is intended to benefit serious students who plan to attend a vocational/technical school. Units may include employment communication, informative reports, incident reports, various analytical reports, researched reports, informal/formal proposals and presentations, technical reading, and traditional grammar. *Note: Technical Communications does not meet admission requirements for four-year college bound students.*

AP Literature and Composition (404) 1 credit**Grade 12**

AP Literature is specifically designed for the extraordinarily strong English student who loves to read and interpret literature. Students who select the AP course should expect to read novels over the summer in preparation for the course and then be prepared to spend one to two hours every night on AP literature assignments during their senior year. Students must also have very strong writing skills including grammar and mechanics. The ultimate goal for students is to take the Advanced Placement test in the spring. Successful performances of the test will earn students' college credit. As a result, the course is designed to prepare students for this test as well as to provide the opportunity to read, write, and analyze literature at a college level. A wide variety of short stories, novels, plays, and poetry will be used throughout the year. **Students who are considering this challenge should have at least a 3.50 GPA and/or a strong PSAT score on the verbal portion of that test.**

Creative Writing (501) ½ credit**Grades 10-12**

This course explores various genres of writing, such as personal essays, poetry, short stories, plays and children's books. Students study notable creative writers and their methods, keep a journal, turn in weekly writing projects, and share their work occasionally with the class. Venues for possible publication are explored, and a major writing project presentation is required at the end of the semester on exam day. Only offered every other year.

Media Literacy (203) ½ Credit**Grades 10-12**

This course is designed to introduce students to the way narratives are shaped by the conventions and constraints of specific media forms including selected novels, short stories, plays, film, television and nonlinear multimedia. Visual media is a prominent part of today's culture and this course would enable students to interpret a written work and determine how best to visually communicate the message and themes. Only offered every other year.

Speech & Drama (502) ½ credit**Grades 10-12**

The main objectives of this course are for students to build upon public speaking and performance skills acquired in English 9 and be exposed to several aspects of the communication process. Students participate in several individual and group speaking activities, and critically evaluate themselves and other performers throughout the semester. Only offered every other year.

Writing for Publications (504) ½ credit**Grades 11-12 Prerequisite: Creative Writing and Permission from Current English Teacher**

Students learn about journalism. An emphasis is placed on learning by doing. Students have opportunities to learn news writing, copy work, layout design, advertising and photography. Only offered every other year.

MATHEMATICS

Course	Title	Grade			
		9	10	11	12
131	Algebra I	X	X	X	
134	Algebra IA	X	X		
230	Geometry	X	X	X	X
232	Geometry Concepts		X	X	
234	Algebra IB		X	X	X
330	Algebra II & Trigonometry		X	X	X
331	Advanced Algebra Topics				X
333	Technical Math			X	X
430	Pre-Calculus			X	X
431	AP Calculus				X

Mathematics is a unique sequence of courses, different from other departments in that it is very sequential. Our goal is to provide students with challenging options that prepare them for their future while maintaining their confidence as learners of mathematics. Success in the next course depends on success in the previous course. The foundation must be solid before the next layer is ready to be constructed. For this reason, it is very important that mathematics courses are chosen based on student aptitude and achievement.

So, what does this mean? If, and when, a student struggles with a semester of mathematics, the decision regarding the next step should be carefully considered. Students who fail a semester of mathematics should not register for the subsequent course. While most colleges require Algebra II for admission, it is first critical that college-bound students have a solid foundation in Algebra I concepts. While a student still earns credit toward graduation with a “D” grade, this is not a good predictor for future success in mathematics and we do not advise students to move directly on to Geometry. Repeating Algebra is a reasonable option. A “C” may prompt this consideration as well. It is advisable to have a conversation with your math teacher before moving on to the next course. Other data that might prove to be helpful would include the ACT Aspire results. Whatever the student’s level of mathematical knowledge, course choices should not be automatic, but should be made with thoughtful consideration of the student’s readiness. **Our best advice – consult your latest math teacher.**

Three years of mathematics are required for graduation from Platteville High School. However, keep in mind that Algebra I, Geometry, and Algebra II are typically required for admission to a four-year institution. Students should pick a math program consistent with their vocational needs and ambitions.

Each student is required to have successfully completed 3 credits in Mathematics for graduation.

Grade 9	Algebra 1A	Algebra 1A	Algebra I	Geometry
Grade 10	Geometry/Geom Concepts	Geometry/Geom Concepts	Geometry/Geom Concepts	Algebra II
Grade 11	Algebra 1B	Algebra 1B	Algebra II	Pre-Calculus
Grade 12	Technical Math	Algebra II	Pre-Calculus	Calculus

Algebra I (131) 1 credit

Grades 9-11

Algebra is the foundation for further study in the field of mathematics and science. Algebra I is a comprehensive course in first year algebra. The course includes a study of the real number system. The solution of equations and problem solving will be emphasized.

Algebra 1A (134) 1 credit

Grade 9-10 Prerequisite: Determined by 8th grade math teacher

This course covers the first half of Algebra I including basic review of all arithmetic concepts, equation solving, functions, linear relationships, and inequalities.

Algebra 1B (234) 1 credit

Grade 10-12

This course reviews Algebra 1A concepts, plus topics including systems of equations, polynomials, quadratic fractions, radicals, and rational equations.

Geometry (230) 1 credit

Grades 9-12 Prerequisite: Algebra 1

Geometry is the basic study of size, shape, position, and other properties of the objects around us. It uses proof; a system of thought in which a few basic statements are used to discover and prove results by logical reasoning.

Geometry Concepts & Application (232) 1 credit

Grades 10-11 Prerequisite: Algebra 1A (134) or Algebra I (131)

This course encompasses relationships, properties, and measurements of figures in the plane. The foundation of this course is to discover the important relationships of geometry through a variety of directed activities. Connections among these relationships will be discussed, and applications will be applied throughout the course. Students will work on real life tasks in collaboration with each other. Skills gained in this course will transfer well into vocational trade careers and will continue to build on skills necessary for Algebra II.

Algebra II and Trigonometry (330) 1 credit

Grades 10-12

Prerequisite: Geometry (230) or Geometry Concepts (232) AND Algebra I (134) or Algebra IB (234)

This is a challenging course; therefore, the Mathematics Department recommends that a student earn at least a "C" or higher in both Algebra I and Geometry before enrolling in this class.

This course reviews the concepts and skills covered in Algebra I. It provides an understanding of fundamental concepts of intermediate algebra and trigonometry. These include the real and complex number systems, solution of equations, inequalities, and systems of equations and inequalities through quadratics, graphing, functions, solutions of triangles, identities, and solution of trigonometric equations. The TI-84 Plus Silver graphing calculator is required for this course. Calculators may be rented from PHS on an annual basis.

Advanced Algebra Topics (331) ½ credit

Grade 12 Prerequisite: Successful completion of at least one semester of Algebra II/Trigonometry (330), or instructor consent.

This course is designed for senior students planning post-secondary education, most likely in a four-year setting, who desire a serious college readiness math experience. It not only offers an opportunity to solidify math skills basic to success in college math, but also provides a solid review of math concepts found on college placement tests taken by students in the spring of senior year.

This course is primarily intended to serve students who fit one of the two following criteria:

- (1) Seniors who pass the first semester of Algebra II/Trig (330) with minimal success, proceeding into 2nd semester is not recommended, and another semester of academic math is needed for college admission.
- (2) Seniors who successfully completed Algebra II/Trig (330) as juniors were not sufficiently prepared to take Pre-Calculus and want to take advantage of a senior math experience prior to entering college.

Technical Math (333) 1 credit

Grades 11-12

Note: Students who have passed both semesters of Algebra II are not eligible to take this course.

Topics covered in this class include fractions, decimals, percentages, ratios and proportions, formulas, measurement, geometry, statistics, algebra, finance, data and trigonometry.

Pre-Calculus (430) 1 credit

Grades 11-12 Prerequisite: Algebra II and Trigonometry (330)

This course is designed to provide a firm foundation for the student whose next course is calculus. It includes the study of all kinds of functions, sequences and series, matrices and determinants, vectors, polynomials, a review of trigonometry, and a fairly large concentration of analytic geometry. The TI-84 Plus Silver graphing calculator is required for this course. Students must provide their own calculator.

AP Calculus AB (431) 1 credit

Grade 12 Prerequisite: Pre-calculus (430)

Calculus is the mathematics of change and motion, with a strong emphasis on applications. One of its main objectives is to develop procedures for finding maximum and minimum conditions. This course will adequately prepare the student to successfully take the Advanced Placement Test in calculus. By passing the AP Exam, the student may receive credit for one semester of college calculus, at qualifying institutions.

MUSIC

Course	Title	Grade			
		9	10	11	12
182	Choralaires	X	X		
180	Beginning Band	X	X	X	X
580	PHS Band	X	X	X	X
581	Orchestra Strings	X	X	X	X
5811	Orchestra Winds	X	X	X	X
582	Cantorum			X	X
583	AP Music Theory			X	X
280	Beginning Guitar		X	X	X
281	Digital/Audio Music Production		X	X	X

Choralaires (182) ½ credit (This year-long class meets every other day.)

Grades 9-10

Students will study the principles of good vocal technique while connecting with their classmates through song. Comprehensive musicianship will be emphasized by discovering each piece's historical and cultural context. Repertoire is selected from a variety of styles and is performed at concerts in the fall, winter, and spring. Choir students receive weekly individual voice lessons. Elements of music literacy, improvisation, composition, listening and music careers will also be explored.

Beginning Guitar (280) ¼ credit (This semester long course meets every other day)

Grades 10-12 Max Enrollment: 12 students FALL TERM ONLY

Learn guitar basics to accompany yourself or start your own garage band. Instruction is on nylon-string classical guitars (provided) and transfers to any instrument or style of music. Students will learn to play chords (rhythm) using strumming, finger-style and pick-style techniques. Students will learn to play melody (lead) reading both standard notation and tablature. Blues improvisation, barre chords, electric guitar techniques and music theory complete the course. Assessments include in-class playing tests and written quizzes.

Digital Audio & Music Production (281) ½ credit (This class meets every day for one semester)

Grades 10-12 SPRING TERM ONLY

Explore digital music production in the PHS state-of-the-art Digital Music Learning Lab and Recording Studio. Students will gain experience capturing sound, mixing audio, recording live performances, creating original music, and learning industry standards. Successful completion of the course will allow a student to serve as a Digital Music Engineer (TA) during a subsequent semester.

Introduction to Concert Band (180) 0.25 credit (This semester-long class meets every other day.)

Grades 9-12

This semester long course is meant to quickly teach or reteach students how to play a concert band instrument who were not in Band in a previous school year. We will dive into instrument basics, note reading and ensembleship skills while having fun making music together! Students currently enrolled in High School Band may also take this course to learn secondary instruments. This course feeds directly into High School Band upon successful completion.

Platteville High School Band (580) 0.75 credit

(This year-long class will meet every day 1st semester and every other day, 2nd semester.)

Grades 9-12

Prerequisite: At least two years of study on a wind/percussion instrument/permission from the instructor.

Course Fee: \$9.00 (band uniform cleaning fee)

The Platteville High School band studies, rehearses, and performs a variety of wind band literature ranging from moderate to difficult levels. Performances take place throughout the school year in the areas of concert band, marching band, pep band, and many various ensembles. Students receive instruction in both large group rehearsals and individualized lessons. All students enrolled in the PHS Band are performing members of the

concert and marching band and all study music theory, history, literature, and composition through performance on their wind/percussion instruments.

Orchestra Strings (581) 0.75 credit

This year-long class will meet every other day 1st semester and every day, 2nd semester.

Grades 9-12

Prerequisite: Two-year minimum of playing a string instrument, unless approved by instructor.

The Platteville High School orchestra studies, rehearses, and performs a variety of string and full orchestral music throughout the school year. Students study musical style, history, technique, and theory as applied to orchestral performance. Students receive both large group and individualized instruction on their instrument. Performances take place throughout the school year.

Orchestra Winds and Percussion (5811) 0.25 credit (This year-long class meets every fourth day.)

Grades 9-12

Prerequisite: Winds and percussion students need to have approval of High School Band instructor prior to signing up for this class and must also be a current member of the PHS band.

Winds and percussion students need to be advanced players on their instruments, as there is often only one person per part. Students study musical style, history, technique, and theory as applied to orchestral performance.

Cantorum (582) 1.0 credit - This yearlong class meets every day.

Grades 11-12 Prerequisite: Two years prior singing experience recommended.

Students will study the advanced principles of bel canto and choral technique while connecting with their classmates through song. Comprehensive musicianship will be emphasized by discovering each piece's historical and cultural context. Repertoire is selected from a variety of styles and is performed at concerts in the fall, winter, and spring. Choir students receive weekly individual voice lessons. Elements of music literacy, improvisation, composition, listening and music careers will also be explored.

AP Music Theory (583) ½ credit (1st year students)

AP Music Theory (5831) ½ credit (2nd year students)

This year long class meets every other day, all year long.

Grades 11-12 Prerequisite: Must pass a music literacy pre-test.

This course is designed for music students pursuing a higher level of musical understanding. Emphasis is on music notation, rhythmic skills, aural skills, sight singing, melodic dictation and music analysis. Students will work from the Tonal Harmony workbook, Teoria ear training program, complete Sight Singing Audits, study and analyze musical scores as well as study music history.

PHYSICAL EDUCATION

Each student is required to have successfully completed 1.5 credits in Physical Education for graduation.

Course	Title	Grade			
		9	10	11	12
141	PE 9	X			
241	PE 10		X		
341	PE 11/12			X	X
3431	Personal Fitness, Strength & Conditioning			X	X
344S	Summer School Fit for Life			X	X
1411TA	Physical Education Teaching Assistant				X

The emphasis of the physical education program is to provide students with the knowledge and movement experiences to build a strong foundation for living a healthy and active lifestyle. The curriculum will include various lifetime and fitness activities in addition to traditional and non-traditional team and individual sports. Health and wellness concepts will be accentuated and woven throughout the physical education curriculum.

PE 9 (141) ½ credit

Required for all 9th grade students -- This year-long class meets every other day.

PE 10 (241) ½ credit

Required for all 10th grade students --This year-long class meets every other day.

PE 11/12 - (3411) ½ credit required for graduation

Open only to 11th and 12th grade students

This course will meet every day and is open to juniors and seniors only.

Students may only sign up for one PE course per semester but may sign up for as many semesters as they would like during their junior and senior years. Course units will be designed to meet students' needs and interests.

Students will design and follow a personal fitness plan as part of the course requirements.

Personal Fitness Strength and Conditioning; (3431) 1st semester, ¼ credit; (3432) 2nd semester, ¼ credit

Note: This course can be used to meet graduation requirements. Open to 11th/12th grade students.

This elective course is open to all juniors and seniors. It is worth .25 credits and will meet every other day for a semester. The course will be held in the High School Fitness Center. This class is designed for students who want to train for a particular sport and/or wish to improve their physical well-being. The Strength Training and Conditioning course is designed to educate students in key areas of health and fitness. Main areas of focus include muscular strength and endurance, cardiovascular endurance, power, flexibility and balance. Students will learn a variety of exercises and will be expected to design a personal strength-training and conditioning program that includes pre-post assessments, setting goals, monitoring progress, and writing a reflection upon completion. This course may be repeated for credit.

Summer School Fit for Life (344S) ¼ credit

Note: This course can be used to meet graduation requirements.

Offered to Juniors & Seniors, this course is a rigorous physical education experience and must have instructor's approval to enroll. This class meets during the first 3 weeks of summer vacation, Mondays-Thursdays from 8:30-11:30 AM, with 2-3 of the activity days meeting from 8:30-4:00pm. Attendance will be mandatory. A wide variety of lifetime and fitness activities will be included such as biking, rollerblading, golf, Frisbee golf, sand volleyball, strength training, rock climbing, and canoeing. Health and nutrition concepts are also an integral part of this course. Only one section will be offered each summer.

Physical Education Teaching Assistant ¼ credit

(1411TA) 1st semester; (1412TA) 2nd semester

This elective course is available for students who have fulfilled all other PE requirements and have an interest in teaching or coaching. Teacher assistants will participate in class and be positive role models for the underclassmen. This class meets every other day.

HEALTH

Each student is required to have successfully completed 0.5 credit in Health for graduation.

Course	Title	Grade			
		9	10	11	12
140	Health Education	X	X	X	X
340	Wellness 4 Life			X	X

Health Education (140) ½ credit

Grades 9-12; Required for all students to graduate from PHS.

This class is set up to be taken at the 9th Grade level and it is encouraged to take it at this time.

Health Education is a required course that must be completed and passed by all students as a requirement for graduation in all schools in the State of Wisconsin. Health education will provide each student with a comprehensive curriculum emphasizing and focusing upon health attitudes, behaviors, choices and up-to-date current health knowledge. This course is designed to motivate and assist students in maintaining and improving their health which will in turn enable them to develop the skills and attitudes necessary for health-related problem-solving and informed decision-making. The curriculum covers topics related to values/decision-making, emotional health, mental health, alcohol abuse, smoking, drug abuse, nutrition, CPR, and human sexuality issues.

Wellness 4 Life (340) ½ credit

Grades 11-12 Note: This class does not satisfy the health requirement for graduation.

Wellness 4 Life is an exciting upper level health course designed to help students become aware of the importance of our personal health and well-being. The term “wellness,” is a way of describing the positive realization that by taking responsibility for our lives, that we can achieve optimal levels of health in all areas of our life; physically, emotionally, mentally, socially, and spiritually. So many factors in today's world and our society come in to play in influencing our health. Our challenge is to recognize the positive aspects of our society, and to make life choices that can empower us to achieve our ultimate levels of wellness. Units covered in the curriculum will be: Fitness for Life, Nutrition, Sexuality Issues, and Stress Control.

SCIENCE

The intent of the science offerings at PHS is to provide students with a foundation in both the physical and biological sciences. The typical track through Science at PHS is Biology freshman year, Chemistry sophomore year, and Physics junior year. Three credits of science are required for graduation from PHS. Those planning on attending a four year university are encouraged to take a fourth science class; AP Chemistry, Human Biology, or Principles of Engineering.

Outlined below is a suggested sequence of classes along with other science electives. Please note that Principles of Engineering is accepted at most but not all universities for science credit. All other science classes will count toward the college entry requirements.

Each student is required to have successfully completed 3 credits in Science for graduation.

Course	Title	Grade			
		9	10	11	12
121	Biology	X	X		
221	Chemistry		X	X	X
222	Human Biology			X	X
322	Physics			X	X
328	Principles of Engineering		X	X	X
421	AP Chemistry			X	X

In addition to the classes listed above, there are several science-related classes students can take to meet requirements for graduation. *Courses include:* Animal Science, Plant/Soil Science, Food Science, Vet Science and Exploring Natural Resources. *****You will need to check with the specific post-secondary institution you plan to attend, to verify acceptance for college admission; these courses are not typically accepted as science requirements for four-year institutions.***

Biology (121) 1 credit

Grades 9-10

Biology is the first course in the Platteville High School science curriculum sequence. This class covers the basics of the study of life as well as the societal implications of recent discoveries in biology. Topics include biochemistry, cell structure and function, genetics, genetic engineering, evolution and ecology. Student activities range from labs and reading assignments to a major project each quarter.

Chemistry (221) 1 credit

Grades 10-12 Prerequisite: Biology and Algebra 1 (or concurrent enrollment in Algebra 1B)

Chemistry deals with all the substances that make up our environment and the changes that take place in those substances. Chemistry has two objectives at PHS. One is to give the students a basic understanding of the principles and theories of chemistry as a science. The other objective is to aid the student in using these principles and theories in explaining some of the observable changes in their environment.

Human Biology (222) 1 credit

Grades 11-12 Prerequisite: Biology, Chemistry, and concurrent registration in Physics if you are a Junior (*Seniors do not need concurrent registration*) or Instructor Permission

Human Biology covers the anatomy and physiology of the human body. Students will learn medical vocabulary as they review the cellular processes covered in Biology. You will learn how the integumentary, musculoskeletal, cardiovascular, respiratory, digestive, urinary and immune systems work together to maintain homeostasis. Activities range from experiments to case studies.

Physics (322) 1 credit**Grades 11-12 Prerequisite: Chemistry and Algebra II (or concurrent enrollment)**

Physics is the study of how the Universe works; from the very large to the very small. You will gain problem solving and critical thinking skills and it's guaranteed to get you a better score on the PSAT & ACT! It is full of mind bending 'magical' demonstrations and intriguing concepts. The math prerequisites are included because we will be using sine, cosine, and tangent. The first semester focuses on particles and the second semester on waves. Within the first semester we will study how we represent motion and acceleration and how forces affect motion. We will also study momentum, energy, and simple machines. The second semester we will discover thermodynamics, waves, sound, light, reflection, refraction, and electricity.

Principles of Engineering (328) 1 credit**Grades 10-12 Prerequisite: Algebra 1 or Algebra A**

This is the second course in the Project Lead the Way Sequence. This course will expose students to the important concepts involved with engineering. Students will work on real life case studies that are examples of the type of problems they would be solving in this career. While working on case studies, students will be implementing acquired math and science skills. This hands-on laboratory course will cover the concepts, principles, skills, techniques, and attitudes needed for a career in engineering.

AP Chemistry (421) 1 credit**Grade 11-12 Prerequisite: Chemistry and Physics (or concurrent enrollment)**

Chemistry deals with the fundamental structure and composition of materials and changes that they undergo. This course is a continuation of chemistry expanding into areas such as: Atomic Theory, Kinetics, Equilibrium, Thermodynamics, Acid-Base Chemistry, Redox, and Electrochemistry. This course will adequately prepare the student to successfully take the Advanced Placement Test in Chemistry. By passing the AP Exam, the student will receive between 3-10 college credits in Chemistry depending on score and school where credits will be applied.

SOCIAL STUDIES

The Social Studies department strives to develop reflective, democratic citizenship within a global context. Students can pursue coursework within the social and behavioral sciences.

Each student is required to have successfully completed 3 credits in Social Studies for graduation. World History & Geography and American History are required of all PHS students to graduate.

Course	Title	Grade			
		9	10	11	12
111	World History and Geography	X			
214	United States History		X		
215	AP United States History		X	X	X
312	Civics			X	X
314	AP United States Government and Politics			X	X
315	Global Studies			X	X
413	Introduction to Psychology			X	X
414	AP Psychology			X	X

World History and Geography (111) 1 credit

Grade 9 Prerequisite: None

This course is required of all freshmen and is designed to help students understand the origins of Western Civilization and gain a global perspective of the world we live in. The first semester of the course will focus on the Ancient Greeks, Romans, Middle Ages, Renaissance, Reformation, Scientific Revolution, and Enlightenment. The second semester curriculum emphasis will shift towards world geography, physical geography, world regions, emerging global powers, and global issues.

United States History (214) 1 credit

Grade 10-11 Prerequisite: None

American History is a general survey course of the history of the United States from the time period of European exploration to the present. Emphasis is placed on the following areas pertaining to American history: (1) Geography of the U.S., (2) time periods in American history, (3) concepts and terminology for understanding history, (4) relations with other countries, (5) significant people from our country's history, (6) chronology of events, (7) cause-effect relationships, (8) relationships between the past and the present. This course is designed to help students increase their understanding of America's past history and the world they live in at present.

AP United States History (215) 1 credit

Grade 10-12 Prerequisite: Students will be admitted to the class based on the following criteria: English and Social Studies teacher recommendations, and written application.

This course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in United States history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. It is designed for students who seek to waive unspecified college history credits by successfully completing the national Advanced Placement in United States history test upon course completion.

Civics (312) ½ credit

Grades 11-12 Prerequisite: None

This course emphasizes the principles, functions, organizational structure and problems of United States government today. Students will learn the process of analyzing political, social, and economic issues rationally and objectively. Students will develop civic competence by learning to recognize the purpose of the democratic process, the forces of conflict and compromise, the role of selection and participation, and the adjustment of grievance in a responsible manner within a democratic society. The ultimate goal of this course is active, responsible citizenship.

AP United States Government and Politics (314) 1 credit

Grade 11-12 Prerequisite: Students will be admitted based upon the following criteria: **English and social**

studies teacher recommendation and completion of United States History.

This course will give students an analytical perspective on government and politics in the United States. This course involves both the studies of general concepts used to interpret U.S. politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. political reality. The student will examine six political/governmental themes: Constitutional Underpinnings of United States Government, Political Beliefs and Behaviors, Political Parties and Interest Groups, The Congress, the Presidency, the Bureaucracy, and the Federal Courts, Public Policy, and Civil Rights and Civil Liberties.

Global Studies (315) ½ credit

Grades 11-12 Recommended for Juniors

This course is designed to broaden a student's global perspective, raise awareness of current issues, increase college and career readiness and facilitate the understanding of connections between the global community and students' lives. The course will focus on a study of current events in a global context using perspectives of history and current social norms.

Introduction to Psychology (413) ½ credit

Grade 11-12 Prerequisite: None

This semester class uses scientific reasoning to explore human behavior and mental processes. Students will examine psychological issues and how these issues impact our relationships with individuals, family, and society. Application of content to real life situations is stressed. Topics include experimental psychology, the brain, learning and memory, personality, psychological disorders, development, altered states of consciousness, and social psychology.

AP Psychology (414) 1 credit

Grade 11-12 Prerequisite: None

This year-long, college-level course is designed to introduce students to the scientific study of human behavior and mental processes. Students will explore the historical foundations as well as modern methodology and recent research in the major subfields of psychology. Topics studied include experimentation, the brain, human development, sensation and perception, motivation, emotions, learning, memory and cognition, consciousness, intelligence, personality, social psychology, and psychology disorders and treatment. College credit may be earned by passing an advanced placement test given in May.

TECHNOLOGY, ENGINEERING & COMMUNICATIONS

COURSE	TITLE	GRADE			
		9	10	11	12
156	Welding & Fabrication			X	X
172	Introduction to Engineering Design	X	X	X	X
174	Energy, Power and Transportation	X	X	X	X
176	Explorations in Manufacturing and Construction	X	X	X	X
179	Production Graphics		X	X	X
272	Computer Science & Software Engineering		X	X	X
276	Construction Technology I	X	X	X	X
278	Construction Technology II		X	X	X
476	Construction Technology III			X	X
478	Construction Technology IV			X	X
277	Advanced Manufacturing		X	X	X
279	Multimedia Communications	X	X	X	X
328	Principles of Engineering		X	X	X
376	Woodworking & Design I	X	X	X	X
378	Woodworking & Design II		X	X	X
379	Photography			X	X
475	Technology Education Cooperative Work Experience				X

Technology and Engineering offerings are elective courses providing students the opportunity to explore skills and careers in a rapidly advancing technological world. Courses in this department are divided into three areas: Engineering, Manufacturing and Construction, and Communications. Students are invited to sample from each area but will gain the most benefit by understanding the sequences within the areas. Prerequisite courses are essential elements if students hope to take advantage of the advanced level courses offered.

Energy, Power, and Transportation (174) ½ credit **Grades 9-12 Prerequisite: None**

This course is designed to provide students with an overview of energy, power, and transportation technologies and their effect on everyday life. Areas of study will include electrical power generation and distribution, fossil fuels and renewable energy resources, hydraulics and pneumatics, and small engines. Small engine maintenance will be a large portion of the course.

ENGINEERING COURSES

Introduction to Engineering Design (172) 1 credit **Grades 9-12 Prerequisite: None**

This course emphasized the development of a design. Students use computer software to produce, analyze, and evaluate models of projects and/or solutions. Students will study the design concepts of form and function, and then use state-of-the-art technology to translate conceptual design into reproducible products.

Principles of Engineering (328) 1 credit **Grades 10-12 Prerequisite: Algebra I or Algebra A**

Note: Credit for this course may be applied to the science requirement for high school graduation.

This course will expose students to the important concepts involved with engineering. Students will work on real life case studies that are examples of the type of problems they would be solving in this career. While working on case studies, students will be implementing acquired math and science skills. This hands-on laboratory course will cover the concepts, principles, skills techniques, and attitudes needed for a career in engineering.

Computer Science and Software Engineering (272) 1 Credit **Grades 10-12 Prerequisite: Successful completion or concurrent enrollment in Geometry**

This is a Project Lead the Way course during which students work in teams to develop computational thinking and solve problems. The course covers the College Board's Computer Science Principles framework. The course does not aim to teach mastery of a single programming language but aims to develop computational thinking, to generate excitement about the field of computing, and to introduce computational tools that foster creativity.

Advanced Manufacturing (277) ½ credit
Grades 10-12 Prerequisite: None

This is a course that applies the principles of automation. The course builds on computer solid modeling skills developed in the Introduction to Engineering Design. Students use CNC equipment to produce actual models of their three-dimensional designs. Equipment utilized throughout the course includes 3D Printers, CNC Routers, CNC Mill, Laser-Engraver, and Vinyl Cutter.

MANUFACTURING and CONSTRUCTION COURSES

Explorations in Manufacturing and Construction (176) ½ credit Lab Fee: \$10.00
Grades 9-12 Prerequisite: None

Students will complete introductory projects in the construction, electrical, welding, and metalworking areas. Students will also learn the safe operation of several woodworking and metalworking machines utilized in those respective industries. Students will be expected to measure with precision and accuracy and read a blueprint to fabricate various parts in the shop.

Welding & Fabrication (156) ½ credit Lab Fee: \$10.00
Grades 11 – 12 Prerequisite: Exploring Manufacturing & Construction (176)

Note: This course has been approved as a transcribed credit course through SWTC. The credits can be used at SWTC or may be transferable to another 2 or 4-year college/university.

Students will develop skills in basic welding & metal fabrication. Skills taught include metal shop safety, weld joints, blueprint reading, Oxy fuel cutting, and SMAW, GMAW, and GTAW welding processes. Emphasis is placed on SMAW welding projects, safety, and proper use of tools and equipment.

Woodworking & Design I (376) ½ credit Lab Fee: \$20.00 + Final Project Costs
Grades 9-12 Prerequisite: Exploring Manufacturing and Construction (176)

This course is designed to instruct students in the areas of reading project drawings, knowledge of woods and uses, calculations of materials, numerous joinery techniques, wood finishing, and project procedures. A major emphasis will be placed on shop safety, proper hand and power tool usage, and wood processes. Students will construct various teacher assigned projects as well as the opportunity to create, design and build personal projects of their choice with teacher guidance and close supervision.

Woodworking & Design II (378) ½ credit Lab Fee: \$20.00 + Final Project Costs
Grades 10-12 Prerequisite: Successful completion of Woodworking I with A- or better or instructor approval.

This course is designed to instruct students in the areas of reading project drawings, knowledge of woods and uses, calculations of materials, numerous joinery techniques, wood finishing, and project procedures. A major emphasis will be placed on shop safety, proper hand and power tool usage, and wood processes. The teacher helps explain projects, but this is primarily an independent class. Projects include (but not limited to) design of a project with a door and/or a drawer incorporated. Students will utilize Google and YouTube to learn techniques of door and/or drawer construction.

Construction Technology I (276) ½ credit Lab Fee: \$10.00
Grades 9-12 Prerequisite: Explorations in Manufacturing and Construction (176)

Students will apply construction practices and materials. This will be accomplished with a systematic process involving: material estimates/permits, foundations, flooring, wall and roofing systems, along with exterior covering options. This course has a required project that enhances or develop previously learned skills while introducing new skills associated with residential construction.

Construction Technology II (278) ½ credit Lab Fee: \$10.00
Grades 10-12 Prerequisite: Construction Technology I (276)

Students will be introduced to residential interior work: insulating, mechanicals, wall coverings, doors/windows, trim work, and flooring. All content from Construction Technology II will later be applied to the full home build in Construction 3 & 4. *(Pending board approval)*

Construction Technology III (476) 2 credits Lab Fee: \$20.00

Grades 11-12 Prerequisite: Construction Tech I (276) and Construction Tech II (278), Teacher approval.

Residential Build. Students will spend a multi-hour block on-site in an authentic residential construction experience, utilizing previously learned skills from Construction Technology I (framing and exteriors) and Construction Technology II (interiors and finish work). Construction Tech III and IV courses are both yearlong courses.

Construction Technology IV (478) 2 credits Lab Fee: \$20.00

Grades 11-12 Prerequisite: Construction Tech I, II, and III and/or Teacher Approval.

Residential Build. Students will spend a multi-hour block on-site in an authentic residential construction experience, utilizing previously learned skills from Construction Technology I (framing and exteriors) and Construction Technology II (interiors and finish work). Construction Tech III and IV courses are both yearlong courses.

Technology Education Cooperative Work Experience (475) 1 credit

Grade 12

This cooperative work experience is designed to develop entry-level job skills in technology education related occupations such as construction and electronics. This practical (on-the-job) course is designed to provide each student with an opportunity to apply for a job and then accept it, in order to gain work experience. The student's schedule will be structured to provide a minimum of 10 hours per week of work experience. In addition to earning a credit, the student can earn an hourly wage. The district has an obligation to ensure that students acquire relevant employability skills that could not otherwise be developed in a traditional classroom or the home environment. As a result, employment placements with a family business will not be approved.

COMMUNICATIONS COURSES

Production Graphics (179) ½ credit Lab Fee: \$10.00

Grades 10-12 Prerequisite: None

This course is designed to teach students basic techniques of preparing mass viewed production graphics. This course involves the extensive use of computers and graphic producing software. 21st Century Makerspace equipment such as 3D printers, vinyl cutter, CNC Routers, and a laser engraver will be utilized in the production of student created designs and projects.

Multimedia Communications (279) ½ credit Lab Fee: \$10.00

Grades 9-12 Prerequisite: None

Students will develop skills related to the production of visual, audio, electronic, and printed media. Students will apply these skills in a variety of projects that enhance the skills developed in the course. Students should be imaginative and self-motivated before enrolling in this course.

Photography (379) ½ credit Lab Fee: \$10.00

Grades 11-12 Prerequisite: Multimedia Communications (279)

This course will take students beyond the "snapshot" stage to be able to critically evaluate their photo taking and printing techniques. Students should have their own digital camera before enrolling in this course. Students should expect a high volume of required photographs and their work to be turned in for evaluation.

WORLD LANGUAGES

Course	Title	Grade			
		9	10	11	12
108	French I	X	X	X	X
208	French II		X	X	X
308	French III			X	X
408	French IV				X
109	Spanish I	X	X	X	X
209	Spanish II	X	X	X	X
309	Spanish III		X	X	X
409	Spanish IV			X	X
509	Spanish V				X

French I (108) 1 credit

Grades 9-12 Prerequisite: None

The first year of French is the study of basic vocabulary, grammar and pronunciation of the target language. It also includes the study of the countries that speak French, their customs and their way of life. Activities in this course include singing French songs, passing both written and oral tests, writing sentences and short paragraphs, studying vocabulary, working in pairs and small groups, and participating in classroom activities. Students should show a willingness to perform in the four domains of language: speaking, reading, writing and listening. *The Platteville High School World Language Department recommends that students take a minimum of two consecutive years of a language to be prepared for post-secondary education plans.*

French II (208) 1 credit

Grades 10-12 Prerequisite: French I. It is recommended that students earn a B or better in French I to continue on to French II. Recommendation: Grade C or better in French I

The second year of French is the continued study of vocabulary, grammar and pronunciation. The student's ability to read, write, listen and speak in the target language will continue to advance in this class. *The Platteville High School World Language Department recommends that students take a minimum of two consecutive years of a language to be prepared for post-secondary education plans.*

French III (308) 1 credit

Grades 11-12 Prerequisite: French II

Recommendation: Grade B or better in French II. It is recommended that student earns a B or better in French II to continue to French III.

The third year of French includes the study of advanced grammar and vocabulary as well as francophone geography and culture, specifically in Africa and other French speaking countries. Students will be assessed on their ability to read, write, listen and speak in the target language. *If students are 4-year college bound, it is recommended that they continue with their study of French.*

French IV (408) 1 credit

Grade 12 Prerequisite: French III. It is recommended that students earn a B or better in French III to continue on to French IV.

The fourth year of French is the continued study of advanced grammar concepts and vocabulary. The emphasis of French IV is the study of France, specifically regional geography, history, literature, and current events. Students will also complete exercises from a French workbook. Students are expected to use only the target language in class and should show a willingness to participate and perform in the four domains of language: reading, writing, speaking and listening. During the final year of study at PHS, most students will complete a college placement exam where they will learn their level for future collegiate planning.

Spanish I (109) 1 credit

Grades 9-12 Prerequisite: None

The first year of a foreign language is the study of basic grammar, vocabulary and pronunciation of the target language. Students will be able to demonstrate proficiency in the four domains; speaking, reading, writing, and listening. It also includes the study of the countries that speak the language, their customs and their way of life. Activities in this course include: working with videos and music in the foreign language, passing both written and oral tests, writing short compositions, studying vocabulary, working in pairs and small groups, and participating in in-class activities. Students should show a willingness to speak the foreign language in class. *The Platteville High School World Language Department recommends that students take a minimum of two consecutive years of a language to be prepared for post-secondary education plans.*

Spanish II (209) 1 credit

Grades 9-12 Prerequisite: Spanish I

Recommend a C or better in Spanish I

The second year of Spanish language is the continued study of the grammar and vocabulary of the target language. Students should be able to demonstrate proficiency in the four domains: speaking, reading, writing and listening. It also includes further study of the geography and culture of countries where Spanish is spoken. Conversational ability is expected to improve this year, as is the ability to read and write in the target language. In order to enroll in this course, it is recommended that the student should have had at least a B average in Spanish I. *The Platteville High School World Language Department recommends that students take a minimum of two consecutive years of a language to be prepared for post-secondary education plans.*

Spanish III (309) 1 credit

Grades 10-12 Prerequisite: Spanish II

Recommend a B or better in Spanish II

In Spanish III, students continue developing communicative competence in Spanish. Students should be able to demonstrate proficiency in the four domains: speaking, reading, writing and listening. Students continue to expand their vocabulary, explore more difficult sentence structure, and study the various cultures. Students should be able to communicate their own ideas in Spanish with some ease, and should be able to accomplish in-class projects in Spanish. *If students are 4-year college bound, it is recommended that they continue with their study of Spanish.*

Spanish IV (409) 1 credit

Grade 11-12 Prerequisite: Spanish III

Recommend a B or better in Spanish III

After Spanish IV, a student and a native speaker accustomed to dealing with non-native speakers should be able to communicate with ease. Students should be able to demonstrate proficiency in the four domains: speaking, reading, writing and listening. Students continue to expand their vocabulary, explore more difficult sentence structure, and study the various cultures. Students should be able to communicate their own ideas in Spanish with some ease, and should be able to accomplish in-class projects in Spanish. *If students are 4-year college bound, it is recommended that they continue with their study of Spanish.*

Spanish V (509) 1 credit

Grade 12 Prerequisite: Spanish IV

Recommend a B or better in Spanish IV

At the completion of Spanish V, a student and a native speaker accustomed to dealing with non-native speakers should be able to communicate with ease. Students should be able to demonstrate proficiency in the four domains: speaking, reading, writing and listening. Students continue to expand their vocabulary, explore more difficult sentence structure, and study the various cultures. Students should be able to communicate their own ideas in Spanish with some ease, and should be able to accomplish in-class projects in Spanish. During the final year of study at PHS, most students will complete a college placement exam where they will learn their level for future collegiate planning.

YOUTH APPRENTICESHIP PROGRAMS

2021-2022

What is Youth Apprenticeship?

Youth Apprenticeship (YA) is an opportunity for high school juniors/seniors to explore a career while still in high school. Students may participate in a one or two-year YA program. The YA program integrates school-based and work-based experiences with relevant career and technical education (CTE) instruction. The YA program assists the student in developing skills necessary to succeed in the workforce. This program also helps businesses in developing, attracting, and retaining a qualified and skilled workforce. Platteville High School collaborates with CESA 3 in the enrollment of students into the YA program.

Class Locations

Classes may be offered by a Platteville High School staff member with the appropriate credentials, at the Southwest Wisconsin Technical College, through an online course, etc. A significant number of courses are held in locations other than Platteville High School.

Earned Credit

Enrolled YA students will earn course credit through the post-secondary institution, if applicable. Students will earn 0.25 credit per term with a maximum of 1.0 credits per school year. Up to 2.0 credits may count towards graduation at Platteville High School.

Program Timeframe

The following is established by the Department of Workforce Development:

<https://dwd.wisconsin.gov/youthapprenticeship/programs.htm>

Level One

- Junior or senior year of high school
- 450 hours of work-based learning (minimum)
- 2 semesters of related classroom instruction

Level Two

- Junior AND senior year of high school
- 900 hours of work-based learning (minimum)
- 4 semesters of related classroom instruction

Program Costs

CESA 3 will cover the cost of classroom instruction for post-secondary education classes (tuition and books). Additional expenses will be the responsibility of the student. **PLEASE NOTE: If a student fails or drops the class/program, CESA 3 will require and legally seek reimbursement for tuition and books.**

Education/Training Agreement

Student, parent/guardian, employer, school district, and CESA 3 will sign an agreement that outlines the responsibilities of all parties involved in the training program. Enrolled YA students agree to and will be required to participate in additional professional development and career exploration symposiums, workshops, and/or mini-course as established by CESA 3.

Student Expectations

Participation in a YA program is a significant commitment. Upon acceptance into the program, students must be willing to do the following in order to successfully complete the program:

1. Be knowledgeable of the “student learner” laws and other key program areas. It is important that participants understand the laws, rules, and expectations associated with the YA program.

DWD 106.13 Youth Apprenticeship Law: <https://docs.legis.wisconsin.gov/statutes/statutes/106/II/13>

Child Labor Laws: https://dwd.wisconsin.gov/dwd/publications/erd/pdf/erd_9212_p.pdf

2. Complete any and all work in your high school and secondary education classes.
3. Attend all high school and post-secondary education courses with no unexcused and very few excused absences. PLEASE NOTE: Some programs do not allow for any absences for any reasons.
4. At the appropriate time in the program, research job opportunities within your program area, interview with an employer, and acquire employment.
5. Communicate effectively with employers and instructors about paperwork that is required for the program. Employers will complete an evaluation each semester.
6. Complete all required paperwork including, but not limited to, the Registration Form and the Training Agreement.
7. Adhere to all policies and guidelines established of the YA Program and Platteville High School.

Learning More About the Program

Students interested in learning more about program opportunities should see the school CTE Coordinator.

Application to the Program

Students wishing to apply should see the school CTE Coordinator for the appropriate paperwork.

Supervision of Work-Based Experiences

Students will be supervised by an appropriately licensed PHS staff member. This supervision will entail periodic visits to the employer to communicate the student's progress and/or any concerns.

YOUTH APPRENTICESHIP PROGRAMS

NOTE: All programming contingent on the student's program of study after school.

Agriculture & Natural Resources

- Animal Systems
- Plant Systems
- Power & Technical Systems
- Water Systems

Architecture & Construction

- Design/Pre-Construction
- Construction

Arts, AV, Technology & Communication

- Graphic Design

Finance

- Accounting
- Banking

Health Science

- Medical Office
- Ambulatory/Support Services
- Dental Assistant
- Medical Assistant
- Nursing Assistant
- Pharmacy Technician

Hospitality, Lodging and Tourism

Semester Units in the following areas:

- Food & Beverage-Dining Area
- Food & Beverage-Kitchen
- Lodging-Front Office
- Lodging-Housekeeping
- Reservations & Tour/Activity
- Maintenance & Grounds
- Meetings & Events
- Marketing & Sales I
- Marketing & Sales II
- Management I
- Management II

Information Technology

Semester Units in the following areas:

- IT Essentials
- Hardware
- Software
- Web & Digital Media

Manufacturing

One Year Units in the following areas:

- Production Operations Management
- Basic Industrial Equipment
- Advanced Industrial Equipment
- Assembly and Packaging
- Manufacturing Processes
- Machining
- Welding

Marketing

One year units in the following areas:

- Marketing Research/Competitive Intelligence Unit
- Marketing Management/Leadership Unit
- Professional Sales Unit
- Merchandising Unit
- Marketing Communication Unit

STEM

One year units in the following areas:

- Bioscience Lab Foundations
- Bioscience Application
- Engineering Drafting
- Mechanical/Electrical Engineering
- Civil Engineering

Transportation, Distribution and Logistics

One semester units in the following areas:

Auto Collision

- Collision Repair Basics
- Non-structural Analysis & Repair
- Painting & Refinishing
- Damage Analysis & Electrical Repair

Auto Technician

- General Auto Service
- Auto/Light Truck Systems

Diesel Technician

- Diesel Technician Systems

Logistics/Supply Chain Management

- Planning & Purchasing Unit
- Inventory Management & Production
- Storage & Warehousing
- Distribution & Transportation Operations