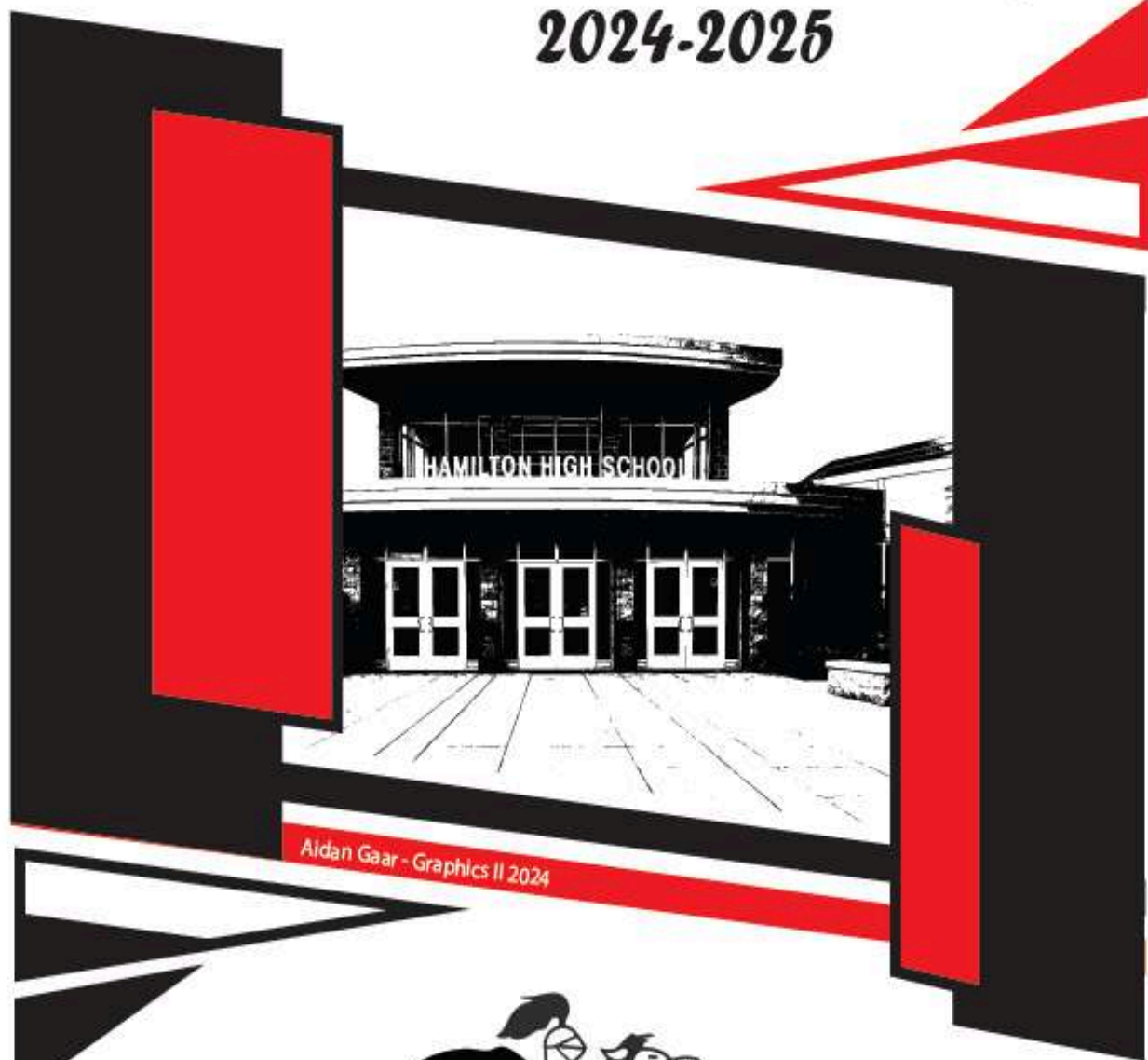


Hamilton High School

Course Catalog

2024-2025





W220 N6151 Town Line Road | Sussex, WI 53089 | (262) 246-6471

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Title IX Coordinator/Nondiscrimination Compliance Officer:
John Roubik, Assistant Superintendent of Human Resources and Organizational Development
Hamilton School District
W220N6151 Town Line Road
Sussex, WI 53089
(262) 246-1973

Any questions regarding Title IX or other nondiscrimination laws may be referred to the Title IX Coordinator/Nondiscrimination Compliance Officer or to:
U.S. Dept. of Education, Office for Civil Rights
230 S. Dearborn, 37 th Floor
Chicago, IL 60604
(312) 730-1560 or OCR.Chicago@ed.gov

Please refer to School Board Policies 411 - Equal Educational Opportunities and 411.2 - Discrimination and Harassment Prohibited for additional information regarding the District's student nondiscrimination policies and procedures, including information regarding the accommodation of sincerely held religious beliefs, the nondiscriminatory offering of career and technical education opportunities, equal educational access for homeless students, and requests for accommodations under Section 504 of the Rehabilitation Act.

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REGISTRATION & SCHEDULING

Selecting courses to fulfill graduation requirements involves many choices and decisions. Students and their parents or guardians are responsible for making these choices and for the consequences and outcomes of their choices. This decision-making is part of the educational process. The school seeks to aid the student in the process of subject selection in several ways.

This catalog outlines the process of course selection, course descriptions, graduation requirements, services offered, and course preparation for post high school. It is important that all of these sections be read carefully, and any questions directed to counselors or staff members.

Please note: Depending on state funding, course offerings may change.

The process of registration and scheduling affords the student many opportunities to consult with parents, counselors, and staff members. The process is:

Information Distribution

Catalogs and course sign-up sheets are available soon after the start of second semester.

Advisement teachers and school counselors discuss the catalog with students and emphasize any major areas of concern that students may have regarding graduation requirements, course descriptions, and post high school planning. It is at this time that questions should be asked, and appointments made to see counselors if the student has not already done so.

Registration

About one week after the information is distributed, students are asked to make a final decision regarding the courses they want for next year. Students should have adequately planned so that course selections are a matter of recording and validation by an instructor. Close attention should be paid to course sequence and prerequisites.

Advisement teacher and school counselor recommendations should be followed. Choose courses carefully. The master schedule is based on student requests, so late schedule changes may be difficult or not possible.

Scheduling

After all course requests have been tabulated, the number of sections and teachers needed are determined. Any change will be based on improving availability for student requests. It is at this time some courses may be canceled due to lack of enrollment.

A list of canceled courses along with a copy of the requested courses will be available for either change or validation. Once the registered courses have been validated, students will be placed in a specific hour with a specific teacher. Students are not given a choice in this area.

Conflicts

It is possible that a student may not be able to get into the course he or she requested because of a scheduling difficulty. When this happens, the student's alternate course will be used, or the student will be called to a counselor to work out the problem as soon as possible. It is important that the student has some options in mind if this happens.

Schedule Changes

After schedules are released, schedule changes will require administrative approval and **will take place for the following reasons only:**

1. A requested course is canceled due to low enrollment.
2. Failure of a required or prerequisite course.
3. Adding a course needed to graduate on time.
4. To balance section numbers.

Courses dropped after the first week of the semester will result in a failing grade on the transcript.

SERVICES FOR STUDENTS

Counselors

School counselors can be very helpful people to work with in planning one's high school and post high school career. Counselors are trained to facilitate personal development and work with students in planning their high school program, for decision-making, educational and career planning, and personal or social concerns. They do this through individual counseling, small group counseling, and large or small group guidance. Counselors have knowledge of graduation requirements and what is needed each year to fulfill those requirements. They can assist students in career decision-making by providing current information on post-secondary program entrance requirements, employment trends, and how individual skills and interests affect their choices.

Two programs initiated through Student Services are the Early College Credit Program (ECCP) and early graduation. Under ECCP, students may be eligible to take course work at a university. Deadlines are March 1 for fall term and October 1 for the spring term. The deadline to apply for early graduation is January 15th of the graduating year. Consult with a school counselor if interested. Counselors are available to students throughout their four years at Hamilton. Parents are welcomed and encouraged to consult with a counselor regarding any of the above areas.

Teachers

During their years at Hamilton High School, students will have an opportunity to take many different courses in several areas. The teachers of Hamilton are experts in their areas of instruction. Often teachers are called upon to make recommendations regarding course sequence

and ability placement. Should students have questions involving course content or placement in a particular area of skill, any teacher would be able to help them or, at the very least, direct them to the instructor who can provide more expertise.

At any time, students are encouraged to ask questions of the staff, but especially during the crucial process of selecting course work for the following year.

Administration

Administrators can aid the student in a variety of ways, should the student or parent so desire. The administration works directly with the registration and scheduling process. If there are questions or concerns that cannot be answered by the administration, they will direct them to the professionals who can. An administrator is also able to work with students on a variety of concerns should other avenues be unavailable.

Special Services

Hamilton High School offers a variety of services for students with special needs. Social workers, special education instructors, psychologists, and other special needs services are available. Contact an administrator or counselor if a special service is needed.



ADMINISTRATIVE OFFICES (262) 246-6471

Principal	Dominc Bauer	1104
Associate Principal	Jacob Doyle	1105
Associate Principal	Marquea Goike	1190
Athletics & Co-Curricular Activities Office	Jeff Newcomer	1125
Attendance	Janet Enters	262-246-1800
Extended Learning Opportunities	Marquea Goike	1190
Health Room, Medications, & Illnesses	Jenny Galbavy	1122
Library/Media Questions	Jacque Gorski	1123
Police Liaison	SRO Leah Estes	1189
Student Issues		
Student Last Names Beginning A-C, Q-W	Jacob Doyle	1105
Student Last Names Beginning D-P, X-Z	Marquea Goike	1190
Academic or Class Concerns		
Teacher Message Line (262) 246-1801 and teacher's voicemail extension		

STUDENT SERVICES DEPARTMENT (262) 246-6476**Personal, Social Issues, General Academic Concerns, and Post High School Planning**

Student Last Names Beginning A-C	Kristin Hasbrook	1128
Student Last Names Beginning D-I, X-Z	Helen Geracie	1135
Student Last Names Beginning J-P	David Johnson	1133
Student Last Names Beginning Q-W	Tricia Rigg	1134
Alcohol & Other Drugs	Kristin Hasbrook	1128
Exceptional Education	John Peterson	1184
Psychological Testing	Arthur Anderson	1124
Truancy, Personal & Social Issues	Liz Mistele	1132
220 Program Coordinator & Registrar	Ann Wodarczak	1164

DEFINITION OF TERMS

Academic Electives & Applied Academics

Credits or courses taken by choice beyond the minimum graduation requirements, regardless of the department in which they are earned.

Advanced Placement

These courses are designed for students who will be pursuing a college education and who are willing to accept the rigor these classes require. Students will be held to standards comparable to those of actual college-level courses. Students may elect to take an Advanced Placement Examination administered by the College Board for each Advanced Placement course they are taking. **Students are responsible for the cost for each exam.** College credit may be earned based on the individual student's AP exam scores.

Contingent on class enrollment, Hamilton offers Advanced Placement courses in Drawing/2D Art and Design, Computer Science, Language and Composition, Literature and Composition, Calculus, Statistics, Biology, Chemistry, Environmental Science (fall semester only, 1 credit), Physics, Macroeconomics (spring semester only, 1 credit), U.S. History, Comparative Government & Politics (spring semester only, 1 credit), Human Geography (fall semester only, 1 credit), Microeconomics (fall semester only, 1 credit), Psychology (fall semester only, 1 credit), US Government & Politics (fall semester only, 1 credit), and European History. AP grades are weighted on a 5.0 scale (A=5; B=4; C=3; D=2; and F=0).

Beginning with the graduating class of 2028, all AP courses will be weighted on a 4.0 scale

Class Load

All students are required to take a minimum of eight (8) credits each year. No student shall leave school before the end of the fourth period unless enrolled in an approved alternative program.

Classes & Credits

A one-credit course is offered every day for a semester; (18 weeks). A two-credit course is offered every day for two semesters (36 weeks.)

CO-OP

A program, open only to seniors, which combines classroom instruction and a related work experience. Co-op programs are offered in Applied Engineering & Technology, Business & Marketing, and Family & Consumer Science.

Students must complete a required set of courses, which culminates in a work experience where they authentically apply the lessons of the classroom. To enter a co-op program, students must complete the following steps in order:

1. Register for a course in the area that you would like to complete a co-op (Business Education, Family Consumer Sciences, or Applied Engineering and Technology).
2. Talk to the coordinating teacher of the program of study.
3. Complete the application process.
4. Get consent of Co-op Coordinator, Mr. Otto.
5. Secure a job.*

***Please note:** Students must secure their own jobs. The jobs must be secured within the first week of school or the student will be dropped from the program.

Dual Enrollment Academy

Students interested in earning college credit while still in high school may consider partnering their senior year at Hamilton with Waukesha County Technical College's Dual Enrollment Academy.

Students must apply and be accepted to a specific program and will attend WCTC for half of the day during their entire senior year. Programs include Automation, Building Construction Trades, Criminal Justice, Early Childhood Education, Firefighter/EMT, IT Systems Specialist, PreNursing, Tool and Die/CNC, and Welding/Fabrication.

Honors Courses

The honors course curriculum is highly rigorous and challenging. The curriculum is designed to meet the needs of students who:

- Have a strong interest in a particular subject area (Communication Arts, Science, etc.).
- Have proven academic achievement as demonstrated through standardized testing and strong documentation of achievement.
- Are willing to accept a highly rigorous, challenging, and fast-paced curriculum.
- Want to strengthen their preparation for future study.

Honors courses begin at the 9th grade level at Hamilton High School. Students and guardians should read the course descriptions and ask questions before choosing an Honors course.

Independent Study

A program whereby students may supplement or enrich their education through self-directed study under the guidance of qualified instructional personnel. Independent Study may include correspondence and online coursework options. An Independent Study Contract must be approved by an administrator.

***Please note:** Fees may be charged to the student when adding Independent Study courses.

Prerequisite

A requirement that must be met or a course that must be completed successfully before a more advanced course can be attempted.

Requirements

Courses that must be taken, common experiences, or minimum levels of competence expected of all students. Required courses are prescribed by state law or the Board of Education.

Start College Now/Early College Credit Program

Students at public and private high schools in Wisconsin can earn college credit through the Early College Credit Program (ECCP). A student selected for the program may be permitted to enroll in a UW System institution, or an alternative private, non-profit institution of higher education (IHE) to take one or more courses for which the student may earn high school credit, post-secondary credit, or both. Under ECCP, the costs of the courses are shared among the IHE, the school district or private school, the state, and in some cases the student's family.

This is a program that allows high school students to earn college credit during their high school years. Pay close attention to the application deadlines as they are very strict guidelines set by the state. You will need to apply by March 1st the year prior to when you want to participate in the program for the first semester, and by October 1st for the second semester. Mr. Johnson in student services is the point of contact for any student interested in this program.

Transcribed Credit

The course is officially offered by WCTC and the student is officially enrolled as a student at WCTC and taught by an instructor with Wisconsin Technical College certification. Freshmen through seniors are eligible for the transcribed credit. Transcribed credit is available for some courses offered through Business, Mathematics, Applied Engineering & Technology, Social Studies, and Family & Consumer Sciences. Students must earn a "C" or better to earn college credit.

Youth Apprenticeship

This program is open to all juniors and seniors. The program provides an opportunity for students to start preparing for a career while still in high school. These one- and two-year programs combine academics, occupational instruction, and work-based learning with an employer.

Youth Apprenticeship (cont.)

Students acquire the skills needed for the jobs of the twenty-first century and businesses develop a highly skilled workforce allowing them to remain competitive in the global marketplace. Youth apprenticeship programs are offered in the areas of Health, Finance, Manufacturing, Autos, Printing, and Architecture & Construction along with Arts, A/V Technology and Communications. All students who are interested in the Youth Apprenticeship program must complete the following process:

1. Attend the information session in February of sophomore or junior year.
2. Complete the application process.
3. Participate in a resume workshop.
4. Interview at various employment sites that have received the program requirements and your resume.*

***Please note:** Students must obtain employment to participate in the program. The job must be secured within the first month of school or the student will be dropped from the program.

COLLEGE, VOCATIONAL, & TECHNICAL COLLEGE

The following courses are considered the minimum requirements for students planning on attending college:

Communication Arts (4 credits)

- Comm. Arts 9 or Comm. Arts 9 Honors.
- Comm. Arts 10 or Comm. Arts 10 Honors
- A minimum of two additional Communication Art credits

Mathematics (3 Credits)

- Algebra
- Geometry
- At least 1 credit in Advanced Mathematics (typically Advanced Algebra)

Social Studies (3 Credits)

- AP Human Geography or World History & Modern Affairs
- AP US History or 20th Century US History
- AP US Government & Politics **AND** AP Macroeconomics or AP Microeconomics **OR** Civics & Economics

Please note: AP US Govt. & AP Econ pairing do not need to be taken in the same year

Science (3 Credits)

- Biology or Biology Honors
- Chemistry, Chemistry Honors, Physical Science, Physics, Physics 1
- Any other Science course

Electives (4 credits)

Additional credits from the areas listed above, and/or other academic areas.

Additional Information

These classes are considered minimum recommendations for preparation for college entrance. Students who take a program such as this tend to score higher on college admissions tests such as the ACT and SAT. Research shows that students who take courses beyond this minimum, regardless of how high they achieve, score higher on the ACT. In addition, a typical freshman at the University of Wisconsin-Madison prepares for college by taking the following courses in high school:

- 4+ credits in Communication Arts
- 1 credit in Algebra 1 credit in Geometry
- 2+ credits in Advanced Mathematics
- 4+ credits in Social Studies
- 4 credits in Science
- 4 credits in a single World Language
- 2+ credits in additional academics or fine arts

Rigor of the academic program is an important consideration in college admissions.

COLLEGE, VOCATIONAL, & TECHNICAL COLLEGE (cont.)

Academic & Career Planning (ACP)

Students will graduate from Hamilton High School with a clear plan for their future, by creating a comprehensive academic and career plan. Students will use an online platform to help them develop a college/career ready portfolio. This personalized plan will be cultivated throughout their high school career. Students will have access to their portfolio after they graduate.

Practice ACT

This testing program is designed to help 9th and 10th graders explore a broad range of options for their future and assess achievement of skills required for success in postsecondary studies. It serves as the entry point into ACT's Educational Planning and Assessment System. Group results from this assessment help improve curriculum and instructional practices.

PSAT

When taken in the junior year, it is the qualifying test for the National Merit Scholar Program. Sophomores can take the PSAT for practice. This is an optional test given each school year in October.

ACT/SAT Assessment

The ACT and SAT assesses skills that enable students to be successful in college level work. Students who apply to a college or university in Wisconsin must take the ACT or the SAT. The following checklist will assist students and parents in determining the level of preparation for participation in the ACT or SAT examinations. Research indicates that completing the following recommendations will, in most cases, have a positive impact on ACT and/or SAT scores. Students should check whether the college they wish to apply to requires the ACT writing test.

A practice ACT test is administered to all juniors in the fall and the ACT exam used for college admission is administered and required for all juniors in the spring.

To maximize an ACT score, complete the recommended curriculum prior to taking the test. Parents and students should consider the following to increase the probability of higher scores.

- Take 9th grade Practice ACT test (mandatory)
- Take the Practice ACT (mandatory) and PSAT (optional) test in 10th grade.
- Take the ACT practice test administered at Hamilton High School in 11th grade.
- Use the ACT and/or SAT website for helpful information and materials.
- Take the PSAT and ACT in 11th grade.
- Take an ACT prep course.
- Take other ACT and/or SAT preparation courses outside of Hamilton such as: Learning Exchange, WCTC, WI Test Prep.
- Take the ACT and/or SAT practice test provided with the ACT and/or SAT registration packet or through XELLO
- Use Method Test Prep program in XELLO during advisement.

Core curriculum recommended by ACT/SAT:

- 4 credits of English (Communication Arts)
- 3 credits of Social Studies
- 3 credits of Science (Biology, Chemistry, Physics)
- 3 credits of Mathematics (Algebra, Geometry, Advanced Algebra)

PREPARING FOR TECHNICAL COLLEGE, APPRENTICESHIPS, & THE WORKFORCE

If planning to attend a vocational/technical college or if planning to seek employment immediately upon graduation, students will have greater flexibility selecting and pursuing a career if they have completed the following high school course work:

- 4 credits of Communication Arts
- 3 credits of Social Studies
- 3 credits of Mathematics
- 3 credits of Science
- 3 to 4 credits in specific vocational courses.*

****Please note:** These are recommendations on preparing for study at a vocational or technical college, note requirements. However, taking these classes does make a difference in students' readiness for vocational/technical college programs. If students have decided on a course of study or career, they should work with their counselor and consult the catalogs of schools that offer the program desired. Students should begin the search as soon as possible to know what high school courses will best prepare them for specific programs or careers.*

GRADUATION REQUIREMENTS

Hamilton High School requires **28 credits** for graduation. Students must complete all requirements by the end of the senior year to participate in the graduation ceremony.

Elective Departments (13 credits)

Courses will vary based on student preferences and future career path.

- NOTE* 9th grade class of 2028 – 12 credits.
10th through 12th grade – 13 credits.
- Beginning with the graduating class of 2028 one credit must be **Personal Finance (BE120)**



GRADUATION REQUIREMENTS (cont.)

Communication Arts (4 credits)

- Comm. Arts 9 or Comm. Arts 9 Honors (1 credit)
- Comm. Arts 10 or Comm. Arts 10 Honors (1 credit)

A minimum of one additional credit must be taken each year throughout your high school career:

JUNIOR & SENIOR COURSE OPTIONS
American Literature
Sports & Motivational Literature
AP Language & Composition
AP Literature & Composition
Contemporary Literature
College Reading & Writing
AP Seminar
Literature and Film Studies
World Literature & Cultural Studies
AP Research
Oral and Interpersonal Communication
SENIOR YEAR ONLY COURSE OPTIONS
College Reading & Writing-Blended/Online
World Literature & Cultural Studies-Blended/Online

Fitness Education (2 credits)

- Personal Fitness 9 (1 credit)
- Fitness/Health 10* (1 credit)

Please note: Fitness 10 consists of a .5 credit of health and .5 credit of fitness education. Incoming Sophomore students who successfully completed an entire season in a WIAA high school sanctioned activity including HHS Poms and Cheerleading during their freshman year are eligible to receive .5 credit of fitness education, but only if they enroll in a Social Studies, Communication Arts, Science or Math class the following school year. Students earn the .5 credit of health by participating in

a .5 credit of required health curriculum during a six-week summer school course through the Hamilton School District, prior to the sophomore year.

- Summer health course is capped at 30 students.
- Students must sign up for this option during scheduling in February.
- Summer school dates are released in April and will be shared with students and parents at that time.
- Attendance is mandatory. A maximum of two absences are permitted in the summer, there are no exceptions.

Mathematics (3 credits)

- Algebra or Algebra A and B (1 credit)
- Geometry (1 credit)
- At least 1 credit in Advanced Mathematics (Intermediate Alg. or Adv. Alg.)

Also recommended: Pre-Calculus I, Pre-Calculus II, AP Statistics and/or AP Calculus, Business Math, Math & Logic, Advance Topics.

Science (3 credits)

- Grade 9: Biology or Biology Honors (1 credit)
- Grade 10: Physical Science Course: (Chemistry, Chemistry Honors, Physical Science, Physics or Physics 1) (1 credit)
- Science elective (Earth & Space Science, Environmental Science, Human Anatomy & Physiology, Principles of Engineering, Biology, AP Chemistry, AP Environmental Science or AP Physics, AP Physics 1, 2, or C)

Social Studies (3 credits)

- Grade 9: World History Credit (AP Human Geography or World History & Modern Affairs)
- Grade 10 or 11: US History credit (AP US History or 20th Century US History)
- Grade 11 or 12: Civics & Economics Credit (AP US Govt. **and** AP Macro Econ **or** AP Micro Econ

Please note: AP US Govt. & AP Econ pairing do not need to be taken in the same year. Civics & Economics students must pass a state mandated civics exam.

LAUDE RECOGNITION SYSTEM

Beginning with the **Class of 2028**, Hamilton High School will recognize graduating seniors through the Laude System. The Laude System acknowledges student achievement through a combination of student cumulative grade point average and the number of advanced courses completed in their high school career as calculated at the end of the 7th semester.

CUM LAUDE

white honors cord

3.0 – 3.49 cumulative GPA

At least **4** advanced course credits

MAGNA CUM LAUDE

silver honors cord

3.5 – 3.749 cumulative GPA

At least **6** advanced course credits

SUMMA CUM LAUDE

gold honors cord

3.75 – 4.00 cumulative GPA

At least **8** advanced course credits

ref. Board Policy 345.12 Class Rank

Courses that qualify as advanced for the purposes of Laude recognition include:

- Dual Enrollment Courses
- AP Courses
- Honors Courses
- Early College Credit Program (ECCP) Courses
- Start College Now (SCN) Courses
- Transcribed coursework from an accredited post secondary institution
- French IV
- French V
- German IV
- German V
- Spanish IV
- Spanish V
- Early Childhood 2: Careers/Assistant Childcare
- Early Childhood 3: CO-OP
- Principles of Engineering
- Digital Electronics
- Graphic Communications
- Graphics III
- Wood Design & Manufacturing III
- Wind Symphony
- Jazz Ensemble 1
- A Capella
- Synergy Show Choir
- Advanced Accounting
- Pre-Calculus I
- Pre-Calculus 2



CAREER PATHWAYS

ACCOUNTING & FINANCE PATHWAY

Related National Career Cluster: Finance

POTENTIAL CAREERS IN THIS PATHWAY

Securities & Investments	Business Finance	Banking Services	Insurance
Personal Financial Advisor Investment Advisor Stock Broker	Accountant Real Estate Analyst Benefits Specialist	Credit Analyst Insurance Broker Loan Officer	Insurance Appraiser Actuary Loss Prevention Analyst

Academic Planning

To pursue careers in this area, the following courses are recommended. This plan is flexible and changes can be made to best fit student interest and time frame. This plan does not guarantee admittance to colleges. Please check with colleges for their requirements. **The shaded courses are required.**

GRADE 9		GRADE 10	
Comm. Arts 9 or Comm. Arts 9 Honors	World History or AP Human Geography	Comm. Arts 10 or Comm. Arts 10 Honors	20th Century History or AP US History
Personal Fitness 9	Biology or Biology Honors	Fitness 10 / Health	Physical Science (Chemistry, Chemistry Honors, Physical Science, or Physics)
Algebra A/B, Algebra, or Geometry	Personal Finance (<i>required for those graduating in 2028 or later; recommended for this pathway</i>) or Elective	Geometry or another related Math course	Personal Finance (<i>required for those graduating in 2028 or later; recommended for this pathway</i>) or Elective
Computer Applications	World Language	Entrepreneurship	World Language or AP US History

GRADE 11		GRADE 12	
Related Communication Arts course	Related Science course	Related Communication Arts course	Personal Finance (<i>required for those graduating in 2028 or later; recommended for this pathway</i>) or Elective
Related Math course	Civics / Economics	Related Math course	Elective (<i>choose from core, career-focused, or personal interest list on next page</i>)
Personal Finance (<i>required for those graduating in 2028 or later; recommended for this pathway</i>) or Elective	Elective (<i>choose from core, career-focused, or personal interest list on next page</i>)	Advanced Accounting (Prerequisite: Accounting)	Elective (<i>choose from core, career-focused, or personal interest list on next page</i>)
AP Macroeconomics	Accounting	AP Microeconomics	World Language

ACCOUNTING & FINANCE PATHWAY

Course Recommendations

The following are classes to consider after you fulfill your graduation requirements. Many of these courses are recommended by colleges or future employers and will help you with your career pursuits.

MATHEMATICS COURSES

- ☐ Intermediate or Advanced Algebra
- ☐ Pre-Calculus
- ☐ AP Calculus (2 semester course; highly recommended if planning to attend 4-year college)
- ☐ AP Statistics
- ☐ Business Math

COMMUNICATION ARTS COURSES

- ☐ Oral and Interpersonal Communications
- ☐ College Reading and Writing
- ☐ AP Language & Composition
- ☐ AP Seminar
- ☐ AP Research

SCIENCE COURSES

- ☐ Environmental Science
- ☐ Earth and Space Science
- ☐ AP Biology, AP Chemistry, or AP Physics (if you are planning to attend 4-year college)

SOCIAL STUDIES COURSES

- ☐ US Law
- ☐ Global Issues & Current Affairs
- ☐ Sociology

CAREER FOCUSED COURSES

Courses listed below are in addition to the ones on the front page

- ☐ Marketing
- ☐ World Language
- ☐ Retail Management Internship (Prerequisite: Marketing & application/instructor approval)
- ☐ Youth Apprenticeship

PERSONAL INTEREST COURSES

It is important to broaden your experiences as well as pursue things you enjoy and are interested in

- ☐ Elective courses (Applied Engineering & Technology, Art, Business, Family & Consumer Science, Fitness, or Music, World Language)
- ☐ FOCUS (if taking multiple AP courses)
- ☐ Work Experience

ARCHITECTURE & CONSTRUCTION

Related National Career Cluster: Architecture & Construction

POTENTIAL CAREERS IN THIS PATHWAY		
Design & Pre-Construction	Construction	Maintenance & Operations
Architect Civil Engineer Code Official Surveyor	Carpenter Electrician HVAC Plumber	Landscaper Project Inspector Hazardous Materials Remover Safety Director

Academic Planning

To pursue careers in this area, the following courses are recommended. This plan is flexible and changes can be made to best fit student interest and time frame. This plan does not guarantee admittance to colleges. Please check with colleges for their requirements. **The shaded courses are required.**

GRADE 9		GRADE 10	
Comm. Arts 9 or Comm. Arts 9 Honors	World History or AP Human Geography	Comm. Arts 10 or Comm. Arts 10 Honors	20th Century History or AP US History
Personal Fitness 9	Biology or Biology Honors	Fitness 10 / Health	Physical Science (Chemistry, Chemistry Honors, Physical Science, or Physics)
Algebra A/B, Algebra, or Geometry	Personal Finance <i>(required for those graduating in 2028 or later)</i> or Elective	Geometry or another related Math course	Personal Finance <i>(required for those graduating in 2028 or later)</i> or AP US History or Elective
Drawing	Woods Design and Manufacturing I	Architecture and Building Construction I	Woods Design and Manufacturing II

GRADE 11		GRADE 12	
Related Communication Arts course	Related Science course	Related Communication Arts course	Personal Finance <i>(required for those graduating in 2028 or later)</i> or Elective
Related Math course	Civics / Economics	Related Math course	Fundamentals of Engineering
Personal Finance <i>(required for those graduating in 2028 or later)</i> or Elective	Welding and Fabrication I	Woods Design and Manufacturing III	Elective <i>(choose from core, career-focused, or personal interest list on next page)</i>
Graphics I	Architecture and Building Construction II	Elective <i>(choose from core, career-focused, or personal interest list on next page)</i>	Elective <i>(choose from core, career-focused, or personal interest list on next page)</i>

ARCHITECTURE & CONSTRUCTION

Course Recommendations

The following are classes to consider after you fulfill your graduation requirements. Many of these courses are recommended by colleges or future employers and will help you with your career pursuits.

MATHEMATICS COURSES

- ☐ Math and Logic
- ☐ Advanced Topics
- ☐ Business Math

COMMUNICATION ARTS COURSES

- ☐ Oral and Interpersonal Communications
- ☐ College Reading and Writing
- ☐ World Literature and Cultural Studies

SCIENCE COURSES

- ☐ Physics
- ☐ AP Physics *(if you are planning to attend 4-year college)*

SOCIAL STUDIES COURSES

- ☐ US Law
- ☐ Global Issues & Current Affairs
- ☐ Sociology
- ☐ Psychology or AP Psychology

CAREER FOCUSED COURSES

Courses listed below are in addition to the ones on the front page

- ☐ Introduction to 3D Modeling and Engineering
- ☐ Fundamentals of Engineering
- ☐ Principles of Engineering
- ☐ Graphics II and III
- ☐ Performance Conditioning
- ☐ World Language
- ☐ Youth Apprenticeship and/or Dual Enrollment *(senior year)*

PERSONAL INTEREST COURSES

It is important to broaden your experiences as well as pursue things you enjoy and are interested in

- ☐ Elective courses *(Applied Engineering & Technology, Art, Business, Family & Consumer Science, Fitness, or Music, World Language)*
- ☐ FOCUS *(if taking multiple AP courses)*
- ☐ Work Experience

BUSINESS, MARKETING, & MANAGEMENT PATHWAY

Related National Career Cluster: Hospitality & Tourism, Marketing, Transportation, Distribution & Logistics

POTENTIAL CAREERS IN THIS PATHWAY

Management	Hospitality & Tourism	Marketing	Logistics Planning
Entrepreneurship Acquisitions Human Resources	Event Planner Tourism Specialist Sales Representative	Retail Merchandising Public Relations Advertising Specialist	Procurement Analyst Logistician Logistics Consultant

Academic Planning

To pursue careers in this area, the following courses are recommended. This plan is flexible and changes can be made to best fit student interest and time frame. This plan does not guarantee admittance to colleges. Please check with colleges for their requirements. ***The shaded courses are required.***

GRADE 9		GRADE 10	
Comm. Arts 9 or Comm. Arts 9 Honors	World History or AP Human Geography	Comm. Arts 10 or Comm. Arts 10 Honors	20th Century History or AP US History
Personal Fitness 9	Biology or Biology Honors	Fitness 10 / Health	Physical Science (Chemistry, Chemistry Honors, Physical Science, or Physics)
Algebra A/B, Algebra, or Geometry	Personal Finance <i>(required for those graduating in 2028 or later; recommended for this pathway)</i> or Elective	Geometry or another related Math course	Personal Finance <i>(required for those graduating in 2028 or later; recommended for this pathway)</i> or Elective
Entrepreneurship	World Language	Marketing	Graphics or AP US History

GRADE 11		GRADE 12	
Related Communication Arts course	Related Science course	Related Communication Arts course	Personal Finance <i>(required for those graduating in 2028 or later; recommended for this pathway)</i> or Elective
Related Math course	Civics / Economics	Related Math course	Psychology or AP Psychology
Personal Finance <i>(required for those graduating in 2028 or later; recommended for this pathway)</i> or Elective	Accounting	Sports and Entertainment Marketing <i>(Prereq: Marketing)</i>	AP Microeconomics
Personal Finance	AP Macroeconomics	Social Media Marketing Internship <i>(Prereq: Marketing & Instructor approval)</i>	Elective <i>(choose from core, career-focused, or personal interest list on next page)</i>

BUSINESS, MARKETING, & MANAGEMENT PATHWAY

Course Recommendations

The following are classes to consider after you fulfill your graduation requirements. Many of these courses are recommended by colleges or future employers and will help you with your career pursuits.

MATHEMATICS COURSES

- ☐ Intermediate or Advanced Algebra
- ☐ Business Math
- ☐ Math & Logic
- ☐ AP Statistics (2 semester course; highly recommended if planning to attend 4-year college)

COMMUNICATION ARTS COURSES

- ☐ Oral and Interpersonal Communications
- ☐ College Reading and Writing
- ☐ AP Language & Composition
- ☐ Film Production
- ☐ Podcasting & Media Production

SCIENCE COURSES

- ☐ Environmental Science
- ☐ Earth and Space Science
- ☐ AP Biology, AP Chemistry, or AP Physics (if you are planning to attend 4-year college)

SOCIAL STUDIES COURSES

- ☐ US Law
- ☐ Global Issues & Current Affairs
- ☐ Sociology

CAREER FOCUSED COURSES

Courses listed below are in addition to the ones on the front page

- ☐ Retail Management Internship (Prerequisite: Marketing & application/instructor approval)
- ☐ Photography
- ☐ Graphics II & Graphics III
- ☐ Computer Applications
- ☐ Digital Design & Web Development
- ☐ World Language

PERSONAL INTEREST COURSES

It is important to broaden your experiences as well as pursue things you enjoy and are interested in

- ☐ Elective courses (Applied Engineering & Technology, Art, Business, Family & Consumer Science, Fitness, or Music, World Language)
- ☐ FOCUS (if taking multiple AP courses)
- ☐ Work Experience

COMMUNICATIONS

Related National Career Cluster: Arts, A/V Technology & Communications

POTENTIAL CAREERS IN THIS PATHWAY

Blogger Clergy Editor Author	Song Writer Motivational Speaker Publicist Poet	Stenographer Script Writer Librarian
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Academic Planning

To pursue careers in this area, the following courses are recommended. This plan is flexible and changes can be made to best fit student interest and time frame. This plan does not guarantee admittance to colleges. Please check with colleges for their requirements. **The shaded courses are required.**

GRADE 9		GRADE 10	
Comm. Arts 9 or Comm. Arts 9 Honors	World History or AP Human Geography	Comm. Arts 10 or Comm. Arts 10 Honors	20th Century History or AP US History (<i>AP US History recommended</i>)
Personal Fitness 9	Biology or Biology Honors	Fitness 10 / Health	Physical Science (Chemistry, Chemistry Honors, Physical Science, or Physics)
Algebra A/B, Algebra, or Geometry	Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective	Geometry or another related Math course	Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective
Elective (<i>choose from core, career-focused, or personal interest list on next page</i>)	World Language	World Language	Elective or AP US History
GRADE 11		GRADE 12	
Related Communication Arts course	Related Science course	Related Communication Arts course	Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective
Related Math course	Civics / Economics or AP US Government (<i>AP US Government recommended</i>)	Related Math course	Psychology or AP Psychology
Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective	Marketing	Academic Assistant in Communication Arts course	Advanced Communications Arts course (<i>from career-focused list on the next page</i>)
World Language	Elective or AP Micro or AP Macro (<i>if taking AP Gov</i>)	Elective (<i>choose from core, career-focused, or personal interest list on next page</i>)	Elective (<i>choose from core, career-focused, or personal interest list on next page</i>)

COMMUNICATIONS

Course Recommendations

The following are classes to consider after you fulfill your graduation requirements. Many of these courses are recommended by colleges or future employers and will help you with your career pursuits.

MATHEMATICS COURSES
<input type="checkbox"/> Intermediate or Advanced Algebra
<input type="checkbox"/> Math and Logic
<input type="checkbox"/> Advanced Topics
<input type="checkbox"/> AP Statistics <i>(2 semester course; highly recommended if planning to attend 4-year college)</i>

COMMUNICATION ARTS COURSES
<input type="checkbox"/> Oral and Interpersonal Communications
<input type="checkbox"/> Creative Writing
<input type="checkbox"/> Literature and Film Studies
<input type="checkbox"/> College Reading and Writing
<input type="checkbox"/> AP Language and Composition
<input type="checkbox"/> AP Seminar
<input type="checkbox"/> AP Research

SCIENCE COURSES
<input type="checkbox"/> Environmental Science
<input type="checkbox"/> Earth and Space Science
<input type="checkbox"/> AP Biology, AP Chemistry, or AP Physics <i>(if you are planning to attend 4-year college)</i>

SOCIAL STUDIES COURSES
<input type="checkbox"/> US Law
<input type="checkbox"/> Global Issues & Current Affairs

CAREER FOCUSED COURSES
<i>Courses listed below are in addition to the ones on the front page</i>
<input type="checkbox"/> Course from Communication Arts list
<input type="checkbox"/> Any advanced courses in field of interest
<input type="checkbox"/> World Language
<input type="checkbox"/> Individual/Dual Sports
<input type="checkbox"/> Team Sports

PERSONAL INTEREST COURSES
<i>It is important to broaden your experiences as well as pursue things you enjoy and are interested in</i>
<input type="checkbox"/> Elective courses <i>(Applied Engineering & Technology, Art, Business, Family & Consumer Science, Fitness, or Music, World Language)</i>
<input type="checkbox"/> FOCUS <i>(if taking multiple AP courses)</i>
<input type="checkbox"/> Work Experience

EDUCATION & DEVELOPMENT

Related National Career Cluster: Education & Training, Human Services

POTENTIAL CAREERS IN THIS PATHWAY		
Administration & Administrative Support	Professional Support Services	Teaching and Training
Principal Instructional Coach Education Researcher Curriculum Designer	School Psychologist Social Worker Counselor Speech and Language Pathologist	K-12 Teacher Professor Child Care Worker Early Childhood Teacher

Academic Planning

To pursue careers in this area, the following courses are recommended. This plan is flexible and changes can be made to best fit student interest and time frame. This plan does not guarantee admittance to colleges. Please check with colleges for their requirements. **The shaded courses are required.**

GRADE 9		GRADE 10	
Comm. Arts 9 or Comm. Arts 9 Honors	World History or AP Human Geography	Comm. Arts 10 or Comm. Arts 10 Honors	20th Century History or AP US History
Personal Fitness 9	Biology or Biology Honors	Fitness 10 / Health	Physical Science (Chemistry, Chemistry Honors, Physical Science, or Physics)
Algebra A/B, Algebra, or Geometry	Personal Finance <i>(required for those graduating in 2028 or later)</i> or Elective	Geometry or another related Math course	Personal Finance <i>(required for those graduating in 2028 or later)</i> or Elective
Child Development	Elective <i>(choose from core, career-focused, or personal interest list on next page)</i>	Early Childhood Foundations I	Elective or AP US History
GRADE 11		GRADE 12	
Related Communication Arts course	Related Science course	Related Communication Arts course	Personal Finance <i>(required for those graduating in 2028 or later)</i> or Elective
Related Math course	Civics / Economics	Related Math course	World Language
Personal Finance <i>(required for those graduating in 2028 or later)</i> or Elective	Sociology	Academic Assistant in area of interest	Early Childhood Education 3-Co-op
World Language	Early Childhood Education 2-Careers	Psychology or AP Psychology	Elective <i>(choose from core, career-focused, or personal interest list on next page)</i>

EDUCATION & DEVELOPMENT

Course Recommendations

The following are classes to consider after you fulfill your graduation requirements. Many of these courses are recommended by colleges or future employers and will help you with your career pursuits.

MATHEMATICS COURSES	COMMUNICATION ARTS COURSES
<input type="checkbox"/> Intermediate or Advanced Algebra	<input type="checkbox"/> Oral and Interpersonal Communications
<input type="checkbox"/> Business Math	<input type="checkbox"/> Creative Writing
<input type="checkbox"/> Math and Logic	<input type="checkbox"/> World Literature and Cultural Studies
<input type="checkbox"/> Advanced Topics	<input type="checkbox"/> College Reading and Writing
<input type="checkbox"/> AP Statistics (2 semester course; highly recommended if planning to attend 4-year college)	<input type="checkbox"/> AP Language and Composition

SCIENCE COURSES	SOCIAL STUDIES COURSES
<input type="checkbox"/> Human Anatomy and Physiology	<input type="checkbox"/> US Law
<input type="checkbox"/> AP Biology, AP Chemistry, or AP Physics (if you are planning to attend 4-year college)	<input type="checkbox"/> Global Issues & Current Affairs
	<input type="checkbox"/> AP Human Geography

CAREER FOCUSED COURSES	PERSONAL INTEREST COURSES
<i>Courses listed below are in addition to the ones on the front page</i>	<i>It is important to broaden your experiences as well as pursue things you enjoy and are interested in</i>
<input type="checkbox"/> Any advanced course in field of interest	<input type="checkbox"/> Elective courses (Applied Engineering & Technology, Art, Business, Family & Consumer Science, Fitness, or Music, World Language)
<input type="checkbox"/> World Language	<input type="checkbox"/> FOCUS (if taking multiple AP courses)
<input type="checkbox"/> Individual/Dual Sports	<input type="checkbox"/> Work Experience
<input type="checkbox"/> Team Sports	
<input type="checkbox"/> Youth Apprenticeship	

ENGINEERING

Related National Career Cluster: Science, Technology, Engineering & Mathematics

POTENTIAL CAREERS IN THIS PATHWAY

Aerospace Engineer Biomedical Engineer Electrical Engineer Mechanical Engineer	Systems Engineer Civil Engineer Nuclear Engineer Industrial Engineer	Software Engineer Robotics Engineer Environmental Engineer Product Design Engineer
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Academic Planning

To pursue careers in this area, the following courses are recommended. This plan is flexible and changes can be made to best fit student interest and time frame. This plan does not guarantee admittance to colleges. Please check with colleges for their requirements. **The shaded courses are required.**

GRADE 9		GRADE 10	
Comm. Arts 9 or Comm. Arts 9 Honors	World History or AP Human Geography	Comm. Arts 10 or Comm. Arts 10 Honors	20th Century History or AP US History
Personal Fitness 9	Biology or Biology Honors	Fitness 10 / Health	Chemistry or Chemistry Honors
Algebra A/B, Algebra, or Geometry	Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective	Geometry, Intermediate Algebra, or Advanced Algebra	Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective
Introduction to 3D Modeling and Engineering (<i>Prerequisite: Algebra</i>)	Geometry or Elective	Fundamentals of Engineering	Advanced Algebra or AP US History or Elective
GRADE 11		GRADE 12	
Related Communication Arts course	Physics or AP Physics (<i>or another related Science course</i>)	Related Communication Arts course	Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective
Pre-Calculus I or Another related Math course	Civics / Economics	AP Calculus or Elective	AP Calculus or another related Math course
Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective	Principles of Engineering	Science course (<i>based on type of Engineering</i>)	Digital Electronics and Automation
Elective or AP Physics	Pre-Calculus II or Elective	Elective (<i>choose from core, career-focused, or personal interest list on next page</i>)	Elective (<i>choose from core, career-focused, or personal interest list on next page</i>)

ENGINEERING

Course Recommendations

The following are classes to consider after you fulfill your graduation requirements. Many of these courses are recommended by colleges or future employers and will help you with your career pursuits.

MATHEMATICS COURSES

- ☐ Math and Logic
- ☐ AP Statistics *(2 semester course; highly recommended if planning to attend 4-year college)*

COMMUNICATION ARTS COURSES

- ☐ Oral and Interpersonal Communications
- ☐ College Reading and Writing
- ☐ World Literature and Cultural Studies
- ☐ AP Language and Composition

SCIENCE COURSES

- ☐ Environmental Science *(if interested in Environmental Engineering)*
- ☐ AP Biology *(if interested in Biomedical Engineering)*
- ☐ AP Chemistry *(if interested in Chemical Engineering)*
- ☐ AP Physics C

SOCIAL STUDIES COURSES

- ☐ US Law
- ☐ Psychology or AP Psychology
- ☐ AP Microeconomics
- ☐ AP Microeconomics

CAREER FOCUSED COURSES

Courses listed below are in addition to the ones on the front page

- ☐ Introduction to Machining and Automation *(if interested in Mechanical Engineering)*
- ☐ Advanced Machining and Automation *(if interested in Mechanical Engineering)*
- ☐ Architecture and Construction *(if interested in Architectural or Civil Engineering)*
- ☐ Digital Electronics and Automation *(if interested in Electrical, Robotic, or Computer Engineering)*
- ☐ Computer Programming
- ☐ Video Game Design
- ☐ AP Computer Science

PERSONAL INTEREST COURSES

It is important to broaden your experiences as well as pursue things you enjoy and are interested in

- ☐ Elective courses *(Applied Engineering & Technology, Art, Business, Family & Consumer Science, Fitness, or Music, World Language)*
- ☐ FOCUS *(if taking multiple AP courses)*
- ☐ Work Experience

FITNESS

Related National Career Cluster: Human Services

POTENTIAL CAREERS IN THIS PATHWAY

Kinesiology Exercise Science Exercise Physiology Biomechanics Sports Psychology	Exercise Psychology Exercise Sociology Motor Learner Physical Education Sports Pedagogy	Nutrition Science Coach Athletic Trainer Physical Therapist Occupational Therapist
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Academic Planning

To pursue careers in this area, the following courses are recommended. This plan is flexible and changes can be made to best fit student interest and time frame. This plan does not guarantee admittance to colleges. Please check with colleges for their requirements. **The shaded courses are required.**

GRADE 9		GRADE 10	
Comm. Arts 9 or Comm. Arts 9 Honors	World History or AP Human Geography	Comm. Arts 10 or Comm. Arts 10 Honors	20th Century History or AP US History
Personal Fitness 9	Biology or Biology Honors	Fitness 10 / Health	Chemistry or Chemistry Honors
Algebra A/B, Algebra, or Geometry	Personal Finance <i>(required for those graduating in 2028 or later)</i> or Elective	Geometry or another related Math course	Personal Finance <i>(required for those graduating in 2028 or later)</i> or Elective
Elective <i>(choose from core, career-focused, or personal interest list on next page)</i>	Elective <i>(choose from core, career-focused, or personal interest list on next page)</i>	Sociology	Elective or AP US History
GRADE 11		GRADE 12	
Related Communication Arts course	Physics or AP Physics	Related Communication Arts course	Personal Finance <i>(required for those graduating in 2028 or later)</i> or Elective
Related Math course	Civics / Economics	Related Math course	Advanced Fitness course <i>(listed under career-focused courses on next page)</i>
Personal Finance <i>(required for those graduating in 2028 or later)</i> or Elective	Individual / Dual Sports	Human Anatomy and Physiology	Psychology or AP Psychology
AP Physics or Elective	Elective <i>(choose from core, career-focused, or personal interest list on next page)</i>	Elective <i>(choose from core, career-focused, or personal interest list on next page)</i>	Elective <i>(choose from core, career-focused, or personal interest list on next page)</i>

FITNESS

Course Recommendations

The following are classes to consider after you fulfill your graduation requirements. Many of these courses are recommended by colleges or future employers and will help you with your career pursuits.

MATHEMATICS COURSES	COMMUNICATION ARTS COURSES
<input type="checkbox"/> Intermediate or Advanced Algebra	<input type="checkbox"/> Oral and Interpersonal Communications
<input type="checkbox"/> Math and Logic	<input type="checkbox"/> World Literature and Cultural Studies
<input type="checkbox"/> Advanced Topics	<input type="checkbox"/> American Literature
<input type="checkbox"/> AP Statistics <i>(2 semester course; highly recommended if planning to attend 4-year college)</i>	<input type="checkbox"/> Sports and Motivational Literature
	<input type="checkbox"/> AP Seminar
	<input type="checkbox"/> AP Research

SCIENCE COURSES	SOCIAL STUDIES COURSES
<input type="checkbox"/> AP Biology, AP Chemistry, or AP Physics <i>(if you are planning to attend 4-year college)</i>	<input type="checkbox"/> US Law
	<input type="checkbox"/> Global Issues & Current Affairs

CAREER FOCUSED COURSES	PERSONAL INTEREST COURSES
<i>Courses listed below are in addition to the ones on the front page</i>	<i>It is important to broaden your experiences as well as pursue things you enjoy and are interested in</i>
<input type="checkbox"/> Fitness Fusion	<input type="checkbox"/> Elective courses <i>(Applied Engineering & Technology, Art, Business, Family & Consumer Science, Fitness, or Music, World Language)</i>
<input type="checkbox"/> Lifetime Fitness	<input type="checkbox"/> FOCUS <i>(if taking multiple AP courses)</i>
<input type="checkbox"/> Performance Conditioning I through IV	<input type="checkbox"/> Work Experience
<input type="checkbox"/> Team Sports	
<input type="checkbox"/> World Language	
<input type="checkbox"/> Academic Assistant in Fitness course	

GLOBAL CULTURES & COMMUNICATION

Related National Career Cluster: Government & Public Administration, Hospitality & Tourism

POTENTIAL CAREERS IN THIS PATHWAY		
National Security	Foreign Services	Travel & Tourism
National Security Officer Military Intelligence Intelligence Analyst	Foreign Service Officer Political Officer Economic Officer	Translator Travel Agent Customer Service Representative

Academic Planning

To pursue careers in this area, the following courses are recommended. This plan is flexible and changes can be made to best fit student interest and time frame. This plan does not guarantee admittance to colleges. Please check with colleges for their requirements. **The shaded courses are required.**

GRADE 9		GRADE 10	
Comm. Arts 9 or Comm. Arts 9 Honors	World History or AP Human Geography	Comm. Arts 10 or Comm. Arts 10 Honors	20th Century History or AP US History (<i>AP US History recommended</i>)
Personal Fitness 9	Biology or Biology Honors	Fitness 10 / Health	Geometry or another related Math course
Algebra A/B, Algebra, or Geometry	Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective	Physical Science (Chemistry, Chemistry Honors, Physical Science, or Physics)	Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective
World Language	Elective (<i>choose from core, career-focused, or personal interest list on next page</i>)	World Language	Elective or AP US History
GRADE 11		GRADE 12	
Related Communication Arts course	Related Science course	Related Communication Arts course	Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective
Related Math course	Civics / Economics or AP US Government (<i>AP US Government recommended</i>)	Related Math course	Elective (<i>choose from core, career-focused, or personal interest list on next page</i>)
Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective	AP Macroeconomics or AP Microeconomics (<i>required if taking AP US Government</i>) or Elective	Psychology or AP Psychology	AP Macroeconomics or AP Microeconomics (<i>whichever not taken in previous year</i>) or Elective
World Language	Sociology	Academic Assistant in World Language course	World Language (<i>should end with level 5</i>)

GLOBAL CULTURES & COMMUNICATION

Course Recommendations

The following are classes to consider after you fulfill your graduation requirements. Many of these courses are recommended by colleges or future employers and will help you with your career pursuits.

MATHEMATICS COURSES	COMMUNICATION ARTS COURSES
<input type="checkbox"/> Math and Logic	<input type="checkbox"/> Oral and Interpersonal Communications
<input type="checkbox"/> Advanced Topics	<input type="checkbox"/> World Literature and Cultural Studies
<input type="checkbox"/> Business Math	<input type="checkbox"/> College Reading and Writing
	<input type="checkbox"/> AP Language and Composition
	<input type="checkbox"/> AP Literature and Composition
	<input type="checkbox"/> AP Seminar
	<input type="checkbox"/> AP Research

SCIENCE COURSES	SOCIAL STUDIES COURSES
<input type="checkbox"/> Environmental Science	<input type="checkbox"/> US Law
<input type="checkbox"/> Earth and Space Science	<input type="checkbox"/> Global Issues & Current Affairs
<input type="checkbox"/> AP Biology, AP Chemistry, or AP Physics <i>(if you are planning to attend 4-year college)</i>	<input type="checkbox"/> AP Comparative Government
	<input type="checkbox"/> Global Issues & Current Affairs

CAREER FOCUSED COURSES	PERSONAL INTEREST COURSES
<i>Courses listed below are in addition to the ones on the front page</i>	<i>It is important to broaden your experiences as well as pursue things you enjoy and are interested in</i>
<input type="checkbox"/> Entrepreneurship <i>(if interested in International Business)</i>	<input type="checkbox"/> Elective courses <i>(Applied Engineering & Technology, Art, Business, Family & Consumer Science, Fitness, or Music, World Language)</i>
<input type="checkbox"/> Marketing <i>(if interested in International Business)</i>	<input type="checkbox"/> FOCUS <i>(if taking multiple AP courses)</i>
<input type="checkbox"/> Lifetime Fitness	<input type="checkbox"/> Work Experience
<input type="checkbox"/> Performance Conditioning	

GOVERNMENT AND PUBLIC POLICY

Related National Career Cluster: Government & Public Administration; Law, Public Safety, Corrections & Security

POTENTIAL CAREERS IN THIS PATHWAY		
Governance	Planning	Public Management and Administration
Politician Cabinet Member Chief of Staff Commissioner Legislative Aide	Economic Development Coordinator Census Clerk County Director Federal Aid Coordinator Policy Advisor	City Manager City Council County Clerk Chamber of Commerce Rep. Program Administration Officer

Academic Planning

To pursue careers in this area, the following courses are recommended. This plan is flexible and changes can be made to best fit student interest and time frame. This plan does not guarantee admittance to colleges. Please check with colleges for their requirements. **The shaded courses are required.**

GRADE 9		GRADE 10	
Comm. Arts 9 or Comm. Arts 9 Honors	World History or AP Human Geography	Comm. Arts 10 or Comm. Arts 10 Honors	AP US History
Personal Fitness 9	Biology or Biology Honors	Fitness 10 / Health	Physical Science (Chemistry, Chemistry Honors, Physical Science, or Physics)
Algebra A/B, Algebra, or Geometry	Personal Finance <i>(required for those graduating in 2028 or later)</i> or Elective	Geometry or another related Math course	Personal Finance <i>(required for those graduating in 2028 or later)</i> or Elective
World Language	Elective <i>(choose from core, career-focused, or personal interest list on next page)</i>	AP US History <i>(as it is two semesters)</i>	World Language or Elective
GRADE 11		GRADE 12	
Related Communication Arts course	Related Science course	Related Communication Arts course	Personal Finance <i>(required for those graduating in 2028 or later)</i> or Elective
Related Math course	AP US Government	Related Math course	World Language
Personal Finance <i>(required for those graduating in 2028 or later)</i> or Elective	World Language	AP Comparative Government and Politics	AP Microeconomics
AP Macroeconomics	Elective <i>(choose from core, career-focused, or personal interest list on next page)</i>	Elective <i>(choose from core, career-focused, or personal interest list on next page)</i>	Elective <i>(choose from core, career-focused, or personal interest list on next page)</i>

GOVERNMENT AND PUBLIC POLICY

Course Recommendations

The following are classes to consider after you fulfill your graduation requirements. Many of these courses are recommended by colleges or future employers and will help you with your career pursuits.

<div>MATHEMATICS COURSES</div> <div><input type="checkbox"/> Math and Logic</div> <div><input type="checkbox"/> Advanced Topics</div> <div><input type="checkbox"/> Business Math</div> <div><input type="checkbox"/> AP Statistics (2 semester course; highly recommended if planning to attend 4-year college)</div>	<div>COMMUNICATION ARTS COURSES</div> <div><input type="checkbox"/> Oral and Interpersonal Communications</div> <div><input type="checkbox"/> American Literature</div> <div><input type="checkbox"/> World Literature and Cultural Studies</div> <div><input type="checkbox"/> AP Language and Composition</div> <div><input type="checkbox"/> AP Literature and Composition</div>
<div>SCIENCE COURSES</div> <div><input type="checkbox"/> AP Biology, AP Chemistry, or AP Physics (if you are planning to attend 4-year college)</div>	<div>SOCIAL STUDIES COURSES</div> <div><input type="checkbox"/> US Law</div> <div><input type="checkbox"/> Global Issues & Current Affairs</div> <div><input type="checkbox"/> Sociology</div> <div><input type="checkbox"/> Psychology or AP Psychology</div>
<div>CAREER FOCUSED COURSES</div> <div>Courses listed below are in addition to the ones on the front page</div> <div><input type="checkbox"/> Courses from Social Studies list</div> <div><input type="checkbox"/> World Language</div> <div><input type="checkbox"/> Lifetime Fitness</div> <div><input type="checkbox"/> Performance Conditioning I through IV</div> <div><input type="checkbox"/> Academic Assistant in Social Studies course</div>	<div>PERSONAL INTEREST COURSES</div> <div>It is important to broaden your experiences as well as pursue things you enjoy and are interested in</div> <div><input type="checkbox"/> Elective courses (Applied Engineering & Technology, Art, Business, Family & Consumer Science, Fitness, or Music, World Language)</div> <div><input type="checkbox"/> FOCUS (if taking multiple AP courses)</div> <div><input type="checkbox"/> Work Experience</div>

HEALTH SCIENCE

Related National Career Cluster: Health Science; Human Services

POTENTIAL CAREERS IN THIS PATHWAY

Therapeutic Services	Diagnostic Services	Health Informatics	Medical Research and Development
Anesthesiologist Nurse Doctor Pharmacist	Lab Technician Sonographer Pathologist Radiologist	Health Educator Medical Coder Patient Account Tech Risk Manager	Biochemist Cell Biologist Genetic Counselor Microbiologist

Academic Planning

To pursue careers in this area, the following courses are recommended. This plan is flexible and changes can be made to best fit student interest and time frame. This plan does not guarantee admittance to colleges. Please check with colleges for their requirements. **The shaded courses are required.**

GRADE 9		GRADE 10	
Comm. Arts 9 or Comm. Arts 9 Honors	World History or AP Human Geography	Comm. Arts 10 or Comm. Arts 10 Honors	20th Century History or AP US History
Personal Fitness 9	Biology or Biology Honors	Fitness 10 / Health	Chemistry or Chemistry Honors
Algebra A/B, Algebra, or Geometry	Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective	Geometry or another related Math course	Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective
Introduction to Healthcare Professions	Elective (<i>choose from core, career-focused, or personal interest list on next page</i>)	Culture of Healthcare	Elective or AP US History
GRADE 11		GRADE 12	
Related Communication Arts course	Human Anatomy and Physiology (<i>or another related Science course</i>)	Related Communication Arts course	Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective
Related Math course	Civics / Economics	Related Math course	AP Biology or AP Chemistry or Elective
Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective	Medical Terminology	AP Biology or AP Chemistry or Elective	Elective (<i>choose from core, career-focused, or personal interest list on next page</i>)
Elective (<i>choose from core, career-focused, or personal interest list on next page</i>)	Elective (<i>choose from core, career-focused, or personal interest list on next page</i>)	Elective (<i>choose from core, career-focused, or personal interest list on next page</i>)	Youth Apprenticeship

HEALTH SCIENCE

Course Recommendations

The following are classes to consider after you fulfill your graduation requirements. Many of these courses are recommended by colleges or future employers and will help you with your career pursuits.

MATHEMATICS COURSES

- ☐ Intermediate or Advanced Algebra
- ☐ Math and Logic
- ☐ Advanced Topics
- ☐ Pre-Calculus I and II
- ☐ AP Calculus (2 semester course; highly recommended if planning to attend 4-year college)
- ☐ AP Statistics (2 semester course; highly recommended if planning to attend 4-year college)

COMMUNICATION ARTS COURSES

- ☐ Oral and Interpersonal Communications
- ☐ World Literature and Cultural Studies
- ☐ College Reading and Writing
- ☐ AP Language and Composition
- ☐ AP Seminar
- ☐ AP Research

SCIENCE COURSES

- ☐ AP Physics (depending on future career)
- ☐ AP Enviro. Science (depending on future career)

SOCIAL STUDIES COURSES

- ☐ US Law
- ☐ Global Issues & Current Affairs
- ☐ Sociology
- ☐ AP US Government and Politics

CAREER FOCUSED COURSES

Courses listed below are in addition to the ones on the front page

- ☐ Child Development (if wanting to work with kids)
- ☐ Psychology or AP Psychology
- ☐ Sociology
- ☐ World Language
- ☐ Lifetime Fitness
- ☐ Performance Conditioning I through IV

PERSONAL INTEREST COURSES

It is important to broaden your experiences as well as pursue things you enjoy and are interested in

- ☐ Elective courses (Applied Engineering & Technology, Art, Business, Family & Consumer Science, Fitness, or Music, World Language)
- ☐ FOCUS (if taking multiple AP courses)
- ☐ Work Experience

INFORMATION TECHNOLOGY

Related National Career Cluster: Information Technology

POTENTIAL CAREERS IN THIS PATHWAY			
Network Systems	Information Systems	Digital Communications	Programming & Services
Network Design Information Systems Administrator Network Engineer	Data Analyst Desktop Support Specialist Technical Support Specialist Systems Analyst	Web Designer Virtual Reality Specialist Media Designer	Programmer Software Applications Specialist Software Engineer

Academic Planning

To pursue careers in this area, the following courses are recommended. This plan is flexible and changes can be made to best fit student interest and time frame. This plan does not guarantee admittance to colleges. Please check with colleges for their requirements. **The shaded courses are required.**

GRADE 9		GRADE 10	
Comm. Arts 9 or Comm. Arts 9 Honors	World History or AP Human Geography	Comm. Arts 10 or Comm. Arts 10 Honors	20th Century History or AP US History
Personal Fitness 9	Biology or Biology Honors	Fitness 10 / Health	Physical Science (Chemistry, Chemistry Honors, Physical Science, or Physics)
Algebra A/B, Algebra, or Geometry	Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective	Geometry or another related Math course	Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective
Entrepreneurship	Computer Applications	Digital Design & Web Development	Elective or AP US History
GRADE 11		GRADE 12	
Related Communication Arts course	Related Science course	Related Communication Arts course	Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective
Related Math course	Civics / Economics	Related Math course	World Language
Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective	Computer Programming	Video Game Design	AP Microeconomics
AP Macroeconomics	World Language	Elective (<i>choose from core, career-focused, or personal interest list on next page</i>)	Elective (<i>choose from core, career-focused, or personal interest list on next page</i>)

INFORMATION TECHNOLOGY

Course Recommendations

The following are classes to consider after you fulfill your graduation requirements. Many of these courses are recommended by colleges or future employers and will help you with your career pursuits.

<div>MATHEMATICS COURSES</div> <div><input type="checkbox"/> Intermediate or Advanced Algebra</div> <div><input type="checkbox"/> Pre-Calculus I and II</div> <div><input type="checkbox"/> AP Calculus <i>(2 semester course; highly recommended if planning to attend 4-year college)</i></div> <div><input type="checkbox"/> Math and Logic</div>	<div>COMMUNICATION ARTS COURSES</div> <div><input type="checkbox"/> Oral and Interpersonal Communications</div> <div><input type="checkbox"/> College Reading and Writing</div> <div><input type="checkbox"/> AP Language & Composition</div>
<div>SCIENCE COURSES</div> <div><input type="checkbox"/> Environmental Science</div> <div><input type="checkbox"/> Earth and Space Science</div> <div><input type="checkbox"/> AP Biology, AP Chemistry, or AP Physics <i>(if you are planning to attend 4-year college)</i></div>	<div>SOCIAL STUDIES COURSES</div> <div><input type="checkbox"/> US Law</div> <div><input type="checkbox"/> Global Issues & Current Affairs</div> <div><input type="checkbox"/> Sociology</div>
<div>CAREER FOCUSED COURSES <i>Courses listed below are in addition to the ones on the front page</i></div> <div><input type="checkbox"/> AP Computer Science</div> <div><input type="checkbox"/> Introduction to 3D Modeling and Engineering <i>(Prerequisite: Algebra)</i></div> <div><input type="checkbox"/> Fundamentals of Engineering</div> <div><input type="checkbox"/> Digital Electronics and Automation</div> <div><input type="checkbox"/> Introduction to Machining and Automation</div> <div><input type="checkbox"/> Youth Apprenticeship</div>	<div>PERSONAL INTEREST COURSES <i>It is important to broaden your experiences as well as pursue things you enjoy and are interested in</i></div> <div><input type="checkbox"/> Elective courses <i>(Applied Engineering & Technology, Art, Business, Family & Consumer Science, Fitness, or Music, World Language)</i></div> <div><input type="checkbox"/> FOCUS <i>(if taking multiple AP courses)</i></div> <div><input type="checkbox"/> Work Experience</div>

JOURNALISM AND BROADCASTING

Related National Career Cluster: Arts, A/V Technology & Communications

POTENTIAL CAREERS IN THIS PATHWAY

Audio and Video Technology and Film	Journalism and Broadcasting
Video Systems Technician Audio-Video System Service Technician Video Graphics, Special Effects, and Animation Audio-Video Designer and Engineer	Audio/Video Operator Station Manager Radio & TV Announcer Journalist

Academic Planning

To pursue careers in this area, the following courses are recommended. This plan is flexible and changes can be made to best fit student interest and time frame. This plan does not guarantee admittance to colleges. Please check with colleges for their requirements. **The shaded courses are required.**

GRADE 9		GRADE 10	
Comm. Arts 9 or Comm. Arts 9 Honors	World History or AP Human Geography	Comm. Arts 10 or Comm. Arts 10 Honors	20th Century History or AP US History (<i>AP US History recommended</i>)
Personal Fitness 9	Biology or Biology Honors	Fitness 10 / Health	Physical Science (Chemistry, Chemistry Honors, Physical Science, or Physics)
Algebra A/B, Algebra, or Geometry	Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective	Geometry or another related Math course	Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective
Podcasting and Media Production	Elective (<i>choose from core, career-focused, or personal interest list on next page</i>)	Film Production	Elective or AP US History
GRADE 11		GRADE 12	
Related Communication Arts course	Related Science course	Related Communication Arts course	Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective
Related Math course	Civics / Economics or AP US Government (<i>AP US Government recommended</i>)	Related Math course	Elective (<i>choose from core, career-focused, or personal interest list on next page</i>)
Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective	World Language	Advanced Communications Arts course	World Language
Marketing	AP Macroeconomics or AP Microeconomics (<i>required if taking AP US Government</i>) or Elective	Elective (<i>choose from core, career-focused, or personal interest list on next page</i>)	AP Macroeconomics or AP Microeconomics (<i>whichever not taken in previous year</i>) or Elective

JOURNALISM AND BROADCASTING

Course Recommendations

The following are classes to consider after you fulfill your graduation requirements. Many of these courses are recommended by colleges or future employers and will help you with your career pursuits.

MATHEMATICS COURSES	COMMUNICATION ARTS COURSES
<input type="checkbox"/> Intermediate or Advanced Algebra	<input type="checkbox"/> Oral and Interpersonal Communications
<input type="checkbox"/> Math and Logic	<input type="checkbox"/> Creative Writing
<input type="checkbox"/> Advanced Topics	<input type="checkbox"/> Literature and Film Studies
<input type="checkbox"/> AP Statistics (2 semester course; highly recommended if planning to attend 4-year college)	<input type="checkbox"/> College Reading and Writing
	<input type="checkbox"/> AP Language & Composition
	<input type="checkbox"/> AP Seminar
	<input type="checkbox"/> AP Research

SCIENCE COURSES	SOCIAL STUDIES COURSES
<input type="checkbox"/> Environmental Science	<input type="checkbox"/> US Law
<input type="checkbox"/> Earth and Space Science	<input type="checkbox"/> Global Issues & Current Affairs
<input type="checkbox"/> AP Biology, AP Chemistry, or AP Physics (if you are planning to attend 4-year college)	<input type="checkbox"/> Sociology
	<input type="checkbox"/> Psychology or AP Psychology
	<input type="checkbox"/> U.S. Government

CAREER FOCUSED COURSES	PERSONAL INTEREST COURSES
<i>Courses listed below are in addition to the ones on the front page</i>	<i>It is important to broaden your experiences as well as pursue things you enjoy and are interested in</i>
<input type="checkbox"/> Computer Applications	<input type="checkbox"/> Elective courses (Applied Engineering & Technology, Art, Business, Family & Consumer Science, Fitness, or Music, World Language)
<input type="checkbox"/> Computer Programming	<input type="checkbox"/> FOCUS (if taking multiple AP courses)
<input type="checkbox"/> Music courses (if interested in pursuing audio pathway)	<input type="checkbox"/> Work Experience
<input type="checkbox"/> World Language	
<input type="checkbox"/> Individual/Dual Sports	
<input type="checkbox"/> Team Sports	

LAW AND PUBLIC SAFETY

Related National Career Cluster: Law, Public Safety, Corrections & Security

POTENTIAL CAREERS IN THIS PATHWAY		
Law Enforcement and Emergency Services	Legal Services	National Security
Emergency Management and Response Coordinator Corrections Officer Police Officer Dispatcher	Attorney Case Management Specialist Adjudicator Negotiator Mediator/Arbitrator	Special Defenses Operator Military Intelligence Intelligence Analyst Staff or Field Officer Air Defense Operator

Academic Planning

To pursue careers in this area, the following courses are recommended. This plan is flexible and changes can be made to best fit student interest and time frame. This plan does not guarantee admittance to colleges. Please check with colleges for their requirements. **The shaded courses are required.**

GRADE 9		GRADE 10	
Comm. Arts 9 or Comm. Arts 9 Honors	AP Human Geography	Comm. Arts 10 or Comm. Arts 10 Honors	20th Century History or AP US History
Personal Fitness 9	Biology or Biology Honors	Fitness 10 / Health	Physical Science (Chemistry, Chemistry Honors, Physical Science, or Physics)
Algebra A/B, Algebra, or Geometry	Personal Finance (required for those graduating in 2028 or later) or Elective	Geometry or another related Math course	Personal Finance (required for those graduating in 2028 or later) or Elective
World Language	Elective (choose from core, career-focused, or personal interest list on next page)	AP US History (as it is two semesters)	World Language

GRADE 11		GRADE 12	
Related Communication Arts course	Related Science course	Related Communication Arts course	Personal Finance (required for those graduating in 2028 or later) or Elective
Related Math course	AP US Government	Related Math course	AP Microeconomics
Personal Finance (required for those graduating in 2028 or later) or Elective	World Language	AP Comparative Government and Politics	Elective (choose from core, career-focused, or personal interest list on next page)
AP Macroeconomics	US Law	Global Issues	World Language

LAW AND PUBLIC SAFETY

Course Recommendations

The following are classes to consider after you fulfill your graduation requirements. Many of these courses are recommended by colleges or future employers and will help you with your career pursuits.

<div>MATHEMATICS COURSES</div> <div><input type="checkbox"/> Intermediate or Advanced Algebra</div> <div><input type="checkbox"/> Math and Logic</div> <div><input type="checkbox"/> Advanced Topics</div> <div><input type="checkbox"/> Business Math</div> <div><input type="checkbox"/> AP Statistics (2 semester course; highly recommended if planning to attend 4-year college)</div>	<div>COMMUNICATION ARTS COURSES</div> <div><input type="checkbox"/> Oral and Interpersonal Communications</div> <div><input type="checkbox"/> American Literature</div> <div><input type="checkbox"/> World Language and Cultural Studies</div> <div><input type="checkbox"/> AP Language and Composition</div> <div><input type="checkbox"/> AP Literature and Composition</div>
<div>SCIENCE COURSES</div> <div><input type="checkbox"/> Environmental Science</div> <div><input type="checkbox"/> Human Anatomy and Physiology</div> <div><input type="checkbox"/> AP Biology, AP Chemistry, or AP Physics (if you are planning to attend 4-year college)</div>	<div>SOCIAL STUDIES COURSES</div> <div><input type="checkbox"/> Sociology</div> <div><input type="checkbox"/> Psychology or AP Psychology</div> <div><input type="checkbox"/> Global Issues & Current Affairs</div>
<div>CAREER FOCUSED COURSES</div> <div>Courses listed below are in addition to the ones on the front page</div> <div><input type="checkbox"/> Courses from Social Studies list</div> <div><input type="checkbox"/> Lifetime Fitness</div> <div><input type="checkbox"/> Performance Conditioning I through IV</div> <div><input type="checkbox"/> Academic Assistant in Social Studies course</div> <div><input type="checkbox"/> World Language</div>	<div>PERSONAL INTEREST COURSES</div> <div>It is important to broaden your experiences as well as pursue things you enjoy and are interested in</div> <div><input type="checkbox"/> Elective courses (Applied Engineering & Technology, Art, Business, Family & Consumer Science, Fitness, or Music, World Language)</div> <div><input type="checkbox"/> FOCUS (if taking multiple AP courses)</div> <div><input type="checkbox"/> Work Experience</div>

MANUFACTURING

Related National Career Cluster: Manufacturing

POTENTIAL CAREERS IN THIS PATHWAY

Production	Manufacturing Production Process Development	Maintenance, Installation, and Repair	Health, Safety, and Environmental Assurance
Calibration Technician Tool and Die Maker Welder Millwright	Manufacturing Technician Production Manager Electrical Technician Engineering Technician	Electrician Plumber, Pipefitter, and Steamfitter Mechanic	Dispatcher Logistician Quality Control Technician Material Handler

Academic Planning

To pursue careers in this area, the following courses are recommended. This plan is flexible and changes can be made to best fit student interest and time frame. This plan does not guarantee admittance to colleges. Please check with colleges for their requirements. **The shaded courses are required.**

GRADE 9		GRADE 10	
Comm. Arts 9 or Comm. Arts 9 Honors	World History or AP Human Geography	Comm. Arts 10 or Comm. Arts 10 Honors	20th Century History or AP US History
Personal Fitness 9	Biology or Biology Honors	Fitness 10 / Health	Physical Science (Chemistry, Chemistry Honors, Physical Science, or Physics - <i>Physics recommended</i>)
Algebra A/B, Algebra, or Geometry	Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective	Geometry or another related Math course	Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective
Introduction to Machining and Automation	Welding I	Introduction to 3D Solid Modeling and Engineering	Welding II or AP US History

GRADE 11		GRADE 12	
Related Communication Arts course	Related Science course	Related Communication Arts course	Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective
Related Math course	Civics / Economics	Related Math course	Psychology or AP Psychology
Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective	Advanced Machining and Automation	Youth Apprenticeship	Elective (<i>choose from core, career-focused, or personal interest list on next page</i>)
Architecture and Construction I	Elective (<i>choose from core, career-focused, or personal interest list on next page</i>)	Elective (<i>choose from core, career-focused, or personal interest list on next page</i>)	Elective (<i>choose from core, career-focused, or personal interest list on next page</i>)

MANUFACTURING

Course Recommendations

The following are classes to consider after you fulfill your graduation requirements. Many of these courses are recommended by colleges or future employers and will help you with your career pursuits.

MATHEMATICS COURSES	COMMUNICATION ARTS COURSES
<input type="checkbox"/> Intermediate or Advanced Algebra	<input type="checkbox"/> Oral and Interpersonal Communications
<input type="checkbox"/> Math and Logic	<input type="checkbox"/> College Reading and Writing
<input type="checkbox"/> Advanced Topics	<input type="checkbox"/> American Literature
<input type="checkbox"/> Business Math	<input type="checkbox"/> World Literature and Culture

SCIENCE COURSES	SOCIAL STUDIES COURSES
<input type="checkbox"/> Principles of Engineering	<input type="checkbox"/> US Law
<input type="checkbox"/> AP Physics (if you are planning to attend 4-year college)	<input type="checkbox"/> Global Issues & Current Affairs
	<input type="checkbox"/> Sociology

CAREER FOCUSED COURSES	PERSONAL INTEREST COURSES
<i>Courses listed below are in addition to the ones on the front page</i>	<i>It is important to broaden your experiences as well as pursue things you enjoy and are interested in</i>
<input type="checkbox"/> Woods I through III	<input type="checkbox"/> Elective courses (Applied Engineering & Technology, Art, Business, Family & Consumer Science, Fitness, or Music, World Language)
<input type="checkbox"/> Fundamentals of Engineering	<input type="checkbox"/> FOCUS (if taking multiple AP courses)
<input type="checkbox"/> Graphics I through III	<input type="checkbox"/> Work Experience
<input type="checkbox"/> Architecture and Building Construction I	
<input type="checkbox"/> Entrepreneurship	
<input type="checkbox"/> Marketing	
<input type="checkbox"/> Dual Enrollment (senior year recommendation)	
<input type="checkbox"/> Youth Apprenticeship (junior and/or senior year)	

MATHEMATICS

Related National Career Cluster: Science, Technology, Engineering & Mathematics

POTENTIAL CAREERS IN THIS PATHWAY		
Statistics	Actuarial Science	Applied Mathematics
Statistician Financial Risk Analyst Operational Researcher Insurance Underwriter	Auditor Data Analyst Research Analyst Appraiser	Commodities Trader Math Teacher Forecast Analyst Researcher

Academic Planning

To pursue careers in this area, the following courses are recommended. This plan is flexible and changes can be made to best fit student interest and time frame. This plan does not guarantee admittance to colleges. Please check with colleges for their requirements. **The shaded courses are required.**

GRADE 9		GRADE 10	
Comm. Arts 9 or Comm. Arts 9 Honors	World History or AP Human Geography	Comm. Arts 10 or Comm. Arts 10 Honors	20th Century History or AP US History
Personal Fitness 9	Biology or Biology Honors	Fitness 10 / Health	Chemistry or Chemistry Honors
Algebra A/B, Algebra, or Geometry	Personal Finance <i>(required for those graduating in 2028 or later)</i> or Elective	Geometry or another related Math course	Personal Finance <i>(required for those graduating in 2028 or later)</i> or Elective
Elective <i>(choose from core, career-focused, or personal interest list on next page)</i>	Elective <i>(choose from core, career-focused, or personal interest list on next page)</i>	Advanced Algebra or Elective	Elective or AP US History
GRADE 11		GRADE 12	
Related Communication Arts course	Physics or AP Physics	Related Communication Arts course	Personal Finance <i>(required for those graduating in 2028 or later)</i> or Elective
Advanced Algebra or Pre-Calculus I or Another related Math course	Civics / Economics	AP Calculus or Another related Math course	AP Calculus or Elective
Personal Finance <i>(required for those graduating in 2028 or later)</i> or Elective	Pre-Calculus II or Elective	Academic Assistant for Math course	Elective <i>(choose from core, career-focused, or personal interest list on next page)</i>
Elective or AP Physics <i>(as it is two semesters)</i>	Elective <i>(choose from core, career-focused, or personal interest list on next page)</i>	Elective <i>(choose from core, career-focused, or personal interest list on next page)</i>	Elective <i>(choose from core, career-focused, or personal interest list on next page)</i>

MATHEMATICS

Course Recommendations

The following are classes to consider after you fulfill your graduation requirements. Many of these courses are recommended by colleges or future employers and will help you with your career pursuits.

MATHEMATICS COURSES	COMMUNICATION ARTS COURSES
<input type="checkbox"/> Advanced Topics	<input type="checkbox"/> Oral and Interpersonal Communications
<input type="checkbox"/> AP Statistics (2 semester course; highly recommended if planning to attend 4-year college)	<input type="checkbox"/> World Literature and Cultural Studies
<input type="checkbox"/> Advanced math courses at WCTC	<input type="checkbox"/> College Reading and Writing
	<input type="checkbox"/> AP Language and Composition
	<input type="checkbox"/> AP Seminar
	<input type="checkbox"/> AP Research

SCIENCE COURSES	SOCIAL STUDIES COURSES
<input type="checkbox"/> AP Biology	<input type="checkbox"/> US Law
<input type="checkbox"/> AP Chemistry	<input type="checkbox"/> Global Issues & Current Affairs
<input type="checkbox"/> AP Physics C	<input type="checkbox"/> AP US Government and Politics

CAREER FOCUSED COURSES	PERSONAL INTEREST COURSES
<i>Courses listed below are in addition to the ones on the front page</i>	<i>It is important to broaden your experiences as well as pursue things you enjoy and are interested in</i>
<input type="checkbox"/> Any advanced courses in field of interest (example - if interested in being a insurance underwriter, taking personal finance would be a good choice)	<input type="checkbox"/> Elective courses (Applied Engineering & Technology, Art, Business, Family & Consumer Science, Fitness, or Music, World Language)
<input type="checkbox"/> Drawing	<input type="checkbox"/> FOCUS (if taking multiple AP courses)
<input type="checkbox"/> Ceramics	<input type="checkbox"/> Work Experience
<input type="checkbox"/> World Language	
<input type="checkbox"/> Performance Conditioning I through IV	
<input type="checkbox"/> Lifetime Fitness	

PERFORMING ARTS

Related National Career Cluster: Arts, A/V Technology & Communications

POTENTIAL CAREERS IN THIS PATHWAY		
Digital, Video, and Stage Production Manager Cinematographer Film/Video Editor Play, Screen, or Script Writer Lighting Designer	Director Performers Make-Up Artist Costume Designer Stagecraft Designer Sound Designer	Musician Actor Composer Conductor Music Teacher Technical Director

Academic Planning

To pursue careers in this area, the following courses are recommended. This plan is flexible and changes can be made to best fit student interest and time frame. This plan does not guarantee admittance to colleges. Please check with colleges for their requirements. **The shaded courses are required.**

GRADE 9		GRADE 10	
Comm. Arts 9 or Comm. Arts 9 Honors	World History or AP Human Geography	Comm. Arts 10 or Comm. Arts 10 Honors	20th Century History or AP US History
Personal Fitness 9	Biology or Biology Honors	Fitness 10 / Health	Physical Science (Chemistry, Chemistry Honors, Physical Science, or Physics)
Algebra A/B, Algebra, or Geometry	Personal Finance <i>(required for those graduating in 2028 or later)</i> or Elective	Geometry or another related Math course	Personal Finance <i>(required for those graduating in 2028 or later)</i> or Elective
Symphonic Band or Choir	Elective <i>(choose from core, career-focused, or personal interest list on next page)</i>	Symphonic Band or Choir	Elective or AP US History
GRADE 11		GRADE 12	
Related Communication Arts course	Related Science course	Related Communication Arts course	Personal Finance <i>(required for those graduating in 2028 or later)</i> or Elective
Related Math course	Civics / Economics	Related Math course	Academic Assistant in Music course
Personal Finance <i>(required for those graduating in 2028 or later)</i> or Elective	Elective <i>(choose from core, career-focused, or personal interest list on next page)</i>	Elective <i>(choose from core, career-focused, or personal interest list on next page)</i>	Psychology or AP Psychology
Symphonic Band or Choir	Elective <i>(choose from core, career-focused, or personal interest list on next page)</i>	Symphonic Band or Choir	Elective <i>(choose from core, career-focused, or personal interest list on next page)</i>

PERFORMING ARTS

Course Recommendations

The following are classes to consider after you fulfill your graduation requirements. Many of these courses are recommended by colleges or future employers and will help you with your career pursuits.

MATHEMATICS COURSES
<input type="checkbox"/> Intermediate or Advanced Algebra
<input type="checkbox"/> Math and Logic
<input type="checkbox"/> Advanced Topics
<input type="checkbox"/> AP Statistics <i>(2 semester course; highly recommended if planning to attend 4-year college)</i>

COMMUNICATION ARTS COURSES
<input type="checkbox"/> Oral and Interpersonal Communications
<input type="checkbox"/> College Reading and Writing
<input type="checkbox"/> AP Language & Composition

SCIENCE COURSES
<input type="checkbox"/> Environmental Science or AP Environmental Science
<input type="checkbox"/> Earth and Space Science
<input type="checkbox"/> AP Biology, AP Chemistry, or AP Physics <i>(if you are planning to attend 4-year college)</i>

SOCIAL STUDIES COURSES
<input type="checkbox"/> US Law
<input type="checkbox"/> Global Issues & Current Affairs
<input type="checkbox"/> Sociology

CAREER FOCUSED COURSES
<i>Courses listed below are in addition to the ones on the front page</i>
<input type="checkbox"/> Guitar / Music Lab
<input type="checkbox"/> Advanced Guitar
<input type="checkbox"/> Piano (Beginning)
<input type="checkbox"/> Piano (Advanced)
<input type="checkbox"/> Basic / Intermediate Music Theory
<input type="checkbox"/> AP Music Theory
<input type="checkbox"/> A Cappella Choir
<input type="checkbox"/> Synergy Show Choir
<input type="checkbox"/> Intro to Theater and Performance
<input type="checkbox"/> Advanced Theater and Performance

PERSONAL INTEREST COURSES
<i>It is important to broaden your experiences as well as pursue things you enjoy and are interested in</i>
<input type="checkbox"/> Elective courses <i>(Applied Engineering & Technology, Art, Business, Family & Consumer Science, Fitness, or Music, World Language)</i>
<input type="checkbox"/> FOCUS <i>(if taking multiple AP courses)</i>
<input type="checkbox"/> Work Experience

SCIENCE

Related National Career Cluster: Science, Technology, Engineering & Mathematics

POTENTIAL CAREERS IN THIS PATHWAY

Physical Science	Earth Science	Life Science
Physicist Quantum Physicist Chemist Astronomer Cosmologist	Meteorologist Land Planner Geologist Paleontologist Environmental Scientist	Marine Biologist Pharmacologist Forensic Scientist Agricultural Scientist Virologist

Academic Planning

To pursue careers in this area, the following courses are recommended. This plan is flexible and changes can be made to best fit student interest and time frame. This plan does not guarantee admittance to colleges. Please check with colleges for their requirements. **The shaded courses are required.**

GRADE 9		GRADE 10	
Comm. Arts 9 or Comm. Arts 9 Honors	World History or AP Human Geography	Comm. Arts 10 or Comm. Arts 10 Honors	20th Century History or AP US History
Personal Fitness 9	Biology or Biology Honors	Fitness 10 / Health	Chemistry or Chemistry Honors
Algebra A/B, Algebra, or Geometry	Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective	Geometry or another related Math course	Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective
Geometry or Elective	Elective (<i>choose from core, career-focused, or personal interest list on next page</i>)	Elective or AP US History	Advanced Algebra or Elective
GRADE 11		GRADE 12	
Related Communication Arts course	Physics or AP Physics or AP Chemistry	Related Communication Arts course	Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective
Related Math course	Civics / Economics	AP Environmental Science or Environmental Science	Related Math Course
Personal Finance (<i>required for those graduating in 2028 or later</i>) or Elective	Human Anatomy and Physiology	AP Biology or Elective	AP Biology or Elective
AP Physics or AP Chemistry or Elective	Elective (<i>choose from core, career-focused, or personal interest list on next page</i>)	Earth and Space Science	Elective (<i>choose from core, career-focused, or personal interest list on next page</i>)

SCIENCE

Course Recommendations

The following are classes to consider after you fulfill your graduation requirements. Many of these courses are recommended by colleges or future employers and will help you with your career pursuits.

MATHEMATICS COURSES
<input type="checkbox"/> Math and Logic
<input type="checkbox"/> Advanced Topics
<input type="checkbox"/> Pre-Calculus I and II
<input type="checkbox"/> AP Calculus (2 semester course; highly recommended if planning to attend 4-year college)

COMMUNICATION ARTS COURSES
<input type="checkbox"/> Oral and Interpersonal Communications
<input type="checkbox"/> College Reading and Writing
<input type="checkbox"/> World Literature and Cultural Studies
<input type="checkbox"/> AP Language & Composition
<input type="checkbox"/> AP Seminar
<input type="checkbox"/> AP Research

SCIENCE COURSES
<input type="checkbox"/> Principles of Engineering
<input type="checkbox"/> AP Physics C

SOCIAL STUDIES COURSES
<input type="checkbox"/> US Law
<input type="checkbox"/> Global Issues & Current Affairs
<input type="checkbox"/> Sociology
<input type="checkbox"/> Psychology or AP Psychology

CAREER FOCUSED COURSES
Courses listed below are in addition to the ones on the front page
<input type="checkbox"/> Advanced courses in field of interest (example - if interested in pharmacology, Introduction to Health Care would be a good choice)
<input type="checkbox"/> Lifetime Fitness
<input type="checkbox"/> Performance Conditioning I through IV
<input type="checkbox"/> World Language

PERSONAL INTEREST COURSES
It is important to broaden your experiences as well as pursue things you enjoy and are interested in
<input type="checkbox"/> Elective courses (Applied Engineering & Technology, Art, Business, Family & Consumer Science, Fitness, or Music, World Language)
<input type="checkbox"/> FOCUS (if taking multiple AP courses)
<input type="checkbox"/> Work Experience

VISUAL ARTS

Related National Career Cluster: Arts, A/V Technology & Communications

POTENTIAL CAREERS IN THIS PATHWAY

Commercial Photographer Interior Designer Commercial or Residential Home Furnishing Coordinator	Textile Designer Fashion Illustrator Commercial Artist Commercial Illustrator	Curator Gallery Manager Fashion Designer
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Academic Planning

To pursue careers in this area, the following courses are recommended. This plan is flexible and changes can be made to best fit student interest and time frame. This plan does not guarantee admittance to colleges. Please check with colleges for their requirements. **The shaded courses are required.**

GRADE 9		GRADE 10	
Comm. Arts 9 or Comm. Arts 9 Honors	World History or AP Human Geography	Comm. Arts 10 or Comm. Arts 10 Honors	20th Century History or AP US History
Personal Fitness 9	Biology or Biology Honors	Fitness 10 / Health	Physical Science (Chemistry, Chemistry Honors, Physical Science, or Physics)
Algebra A/B, Algebra, or Geometry	Personal Finance (required for those graduating in 2028 or later) or Elective	Geometry or another related Math course	Personal Finance (required for those graduating in 2028 or later) or Elective
Art Survey	Drawing	Photo Expression	Elective or AP US History
GRADE 11		GRADE 12	
Related Communication Arts course	Related Science course	Related Communication Arts course	Personal Finance (required for those graduating in 2028 or later) or Elective
Related Math course	Civics / Economics	Related Math course	Advanced Art course (choose from career-focused course list on next page)
Personal Finance (required for those graduating in 2028 or later) or Elective	Advanced Art course (choose from career-focused course list on next page)	Elective (choose from core, career-focused, or personal interest list on next page)	Elective (choose from core, career-focused, or personal interest list on next page)
Graphics I	Marketing	Elective (choose from core, career-focused, or personal interest list on next page)	Elective (choose from core, career-focused, or personal interest list on next page)

VISUAL ARTS

Course Recommendations

The following are classes to consider after you fulfill your graduation requirements. Many of these courses are recommended by colleges or future employers and will help you with your career pursuits.

MATHEMATICS COURSES

- ☐ Intermediate or Advanced Algebra
- ☐ Math and Logic
- ☐ Advanced Topics
- ☐ AP Statistics *(2 semester course; highly recommended if planning to attend 4-year college)*

COMMUNICATION ARTS COURSES

- ☐ Oral and Interpersonal Communications
- ☐ Creative Writing
- ☐ World Literature and Cultural Studies
- ☐ College Reading and Writing

SCIENCE COURSES

- ☐ Environmental Science
- ☐ Earth and Space Science
- ☐ AP Biology, AP Chemistry, or AP Physics *(if you are planning to attend 4-year college)*

SOCIAL STUDIES COURSES

- ☐ US Law
- ☐ Global Issues & Current Affairs
- ☐ Sociology
- ☐ Psychology or AP Psychology

CAREER FOCUSED COURSES

Courses listed below are in addition to the ones on the front page

- ☐ Advanced Ceramics
- ☐ Advanced Photo Expression
- ☐ Painting
- ☐ AP 2-D Design
- ☐ AP 3-D Design
- ☐ Graphics II and III
- ☐ World Language

PERSONAL INTEREST COURSES

It is important to broaden your experiences as well as pursue things you enjoy and are interested in

- ☐ Elective courses *(Applied Engineering & Technology, Art, Business, Family & Consumer Science, Fitness, or Music, World Language)*
- ☐ FOCUS *(if taking multiple AP courses)*
- ☐ Work Experience

HAMILTON HIGH SCHOOL



Course Descriptions 2024 - 2025

Andrew Hofer Graphic Arts II

APPLIED ENGINEERING & TECHNOLOGY

Department Goal

The goal of the Applied Engineering & Technology Department is to successfully combine core class concepts with the latest technological trends and applications. We will provide students with opportunities to apply their knowledge to project work and advanced hands-on activities. We, as a whole department, want to prepare students for their future, no matter which path they choose to take, by facilitating authentic learning experiences.

ARCHITECTURE & CONSTRUCTION		MACHINING & AUTOMATION		WELDING & FABRICATION	
AE850	Architecture & Building Construction I	AE860	Introduction to Machining and Automation	AE870	Welding Fabrication I
AE851	Architecture & Building Construction II	AE865	Advanced Machining and Automation	AE871	Welding Fabrication II

ENGINEERING		WOODWORKING		GRAPHIC ARTS	
AE829	Introduction to 3D Modeling and Engineering	AE820	Woods Design and Manufacturing I	AE812	Graphic Arts I
AE830	Fundamentals of Engineering	AE800	Woods Design and Manufacturing II	AE813	Graphic Arts II
AE835	Digital Electronics and Automation*	AE803	Woods Design and Manufacturing III	AE814	Graphic Arts III – Graphic Production
				AE815	Graphic Communications & Graphic Production

*Digital Electronics and Automation accepts any one of the following prerequisites: Fundamentals of Engineering, Principles of Engineering, and Advanced Machining and Automation.
All other courses are sequential as shown above



EXPAND YOUR LEARNING BEYOND THE CLASSROOM

SkillsUSA is America’s proud champion of the skilled trades. We’re a student-led partnership of education and industry that’s building the future skilled workforce our nation depends on with graduates who are career ready, day one. From our mission to our reach, from our brand to our history, learn who we are, what we do and why we do it.

Applied Engineering & Technology Course Offerings

AE829 INTRODUCTION TO 3D MODELING & ENGINEERING	
GRADE LEVEL	9, 10, 11, 12
CREDITS	1
FEES & SUPPLIES	\$25 lab fee
DESCRIPTION	This STEM course is designed as a basic introduction to engineering. Students will learn to create 3D solid models and use the design process to apply it to simple engineering projects. Students will apply: Basic understanding of linear functions and equations to analyze data. Geometric relationships, calculations, and spatial skills to create designs in Solidworks. Students will learn: Use of basic measuring instruments and basic statistical methods to analyze products. Basic functions of Solidworks to design parts and assemblies. Basic Engineering drawing layout and proper dimensioning through hand drawings and Solidworks generated drawings. Mathematical modeling in spreadsheet software to test and analyze designs.
PREREQUISITES	Pre-Algebra 8 with C- or higher, or Algebra 8, or Algebra (505), or Algebra A & B (506, 507) with C- or higher

AE830 FUNDAMENTALS OF ENGINEERING	
GRADE LEVEL	10, 11, 12
CREDITS	1
FEES & SUPPLIES	\$20 lab fee
DESCRIPTION	This STEM course is designed as a team based, intermediate introduction to engineering. Students will learn how to use the Design Process in teams of 3-42-3 students to develop and communicate design ideas. Hands-on learning activities using experimental design, data analysis, building, and testing, will be used to design and fabricate products. Math and Science concepts will be used to design and test the products. Some designs will be created using 3D Solid Modeling, so prior use and knowledge is highly recommended.
PREREQUISITES	C- or higher in Algebra (505) or B- or higher in Algebra A & B (506 & 507)

AE835 DIGITAL ELECTRONICS & AUTOMATION	
GRADE LEVEL	11, 12
CREDITS	1
FEES & SUPPLIES	\$20 lab fee
DESCRIPTION	This course exposes students to combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation. Students will study digital electronic circuits that are used to process digital signal outputs to program and control lab scale pneumatic manufacturing equipment. Students will learn pneumatic and electrical schematic design using logic-based control. This course will align with the current engineering and manufacturing learning pathways. It is also a good compliment course to take with Math and Logic (MA528).
PREREQUISITES	Fundamentals of Engineering (AE830), or Principles of Engineering (SC625), or Advanced Machining & Automation (AE865), or Physics (SC617), or Honors Physics (SC620), OR approval from the instructor.


Applied Engineering & Technology Course Offerings

AE812		GRAPHIC ARTS I
GRADE LEVEL	9, 10, 11, 12	
CREDITS	1	
FEES & SUPPLIES	\$25 lab fee	
DESCRIPTION	This course will introduce you to the graphic arts (printing and publishing) field. Students will be introduced to various graphic arts computer programs such as Adobe Illustrator, Adobe Photoshop, and Adobe InDesign as they design and print various personal jobs using the offset and screen-printing methods. An awareness of the many graphic arts schooling, and career opportunities will be studied.	
PREREQUISITES	None	

AE813		GRAPHIC ARTS II
GRADE LEVEL	10, 11, 12	
CREDITS	1	
FEES & SUPPLIES	\$20 lab fee	
DESCRIPTION	Students will begin to develop a working knowledge of single and multi-color printing techniques using both offset and screen printing. Principles of electronic imaging and PDF workflows will be covered including computer design, digital imaging, Adobe Illustrator, Adobe Photoshop and Adobe InDesign and online graphics resources.	
PREREQUISITES	Grade of "C" or better in Graphic Arts I (812) or consent of instructor.	

AE814		GRAPHICS III - GRAPHIC PRODUCTION
GRADE LEVEL	10, 11, 12	
CREDITS	1	
FEES & SUPPLIES	\$25 lab fee	
DESCRIPTION	Students will continue to develop skills in multi-color printing techniques. Advanced industrial and textile screen printing, dye sublimation as well as offset printing and production will be emphasized. Wide-format printing, vinyl cutting, and laser engraving/cutting will be used for digital signage and package design. Graphic Arts computer programs used include Adobe Illustrator, Adobe Photoshop, Acrobat, and Adobe InDesign with an opportunity for Adobe certifications. This course may be combined with Graphics Communications to accommodate enrollment/scheduling issues.	
PREREQUISITES	Grade of "C" or better in Graphic Arts II (813) or consent of instructor.	

Applied Engineering & Technology Course Offerings

AE815 GRAPHIC COMMUNICATIONS & GRAPHIC PRODUCTION	
GRADE LEVEL	12
CREDITS	1
FEES & SUPPLIES	\$20 lab fee
DESCRIPTION	Open only to seniors. This is a production course (when available). Advanced use of graphic arts software including Adobe Illustrator, Adobe Photoshop, Adobe InDesign, and Adobe Dreamweaver. Color desktop publishing and book layout, digital photography and video, dye sublimation and four-color process separation and printing will be emphasized. Students may have the opportunity to become Adobe Certified in Illustrator. (This certification may have an additional fee). This course may be combined with Graphics III to accommodate low enrollment/scheduling issues.
PREREQUISITES	Grade of "C" or better in Graphic Arts III (814) or consent of instructor.
ADDITIONAL INFORMATION	 WAUKESHA COUNTY TECHNICAL COLLEGE Articulated course: Advanced standing with WCTC.

AE950 ARCHITECTURE & BUILDING CONSTRUCTION I	
GRADE LEVEL	9, 10, 11, 12
CREDITS	1
FEES & SUPPLIES	\$30 Lab Fee. Students will need to purchase safety glasses, pencils, and materials for projects that they take home (roughly \$20).
DESCRIPTION	This is an entry level architecture and construction course which provides students an opportunity to explore the processes used in the construction industry to design, plan and build residential buildings. Using Chief Architect, a 3D architectural software, students will work through basic residential design problems and then use knowledge gained from those projects to design a complete residence of their choice. Students will also be exposed to hands-on construction simulations to learn the proper safety of equipment and construction techniques used by specific construction trades. This course is beneficial for students interested in architectural design, interior design, or building construction. This course will also help a person develop basic home improvement and maintenance skills.
PREREQUISITES	None

Applied Engineering & Technology Course Offerings

AE851 ARCHITECTURE & BUILDING CONSTRUCTION II	
GRADE LEVEL	10, 11, 12
CREDITS	1
FEES & SUPPLIES	\$30 Lab Fee. Students will need to purchase pencils, safety glasses, and materials for projects that they take home (roughly \$20).
DESCRIPTION	This is an advanced level architecture and construction course designed to further develop the students' understanding of how a complete set of architectural plans is developed and used to construct residential and commercial buildings. Students will use Chief Architect to create a full set of plans for a residential and a commercial project including but not limited to floor plans, section views, elevation views, plot/site plans and presentation renderings. Students will also work in teams to apply construction related techniques and practices using trade specific hand tools and power equipment to construct a small residential structure. Students will create a design portfolio which will showcase their work throughout the duration of this course.
PREREQUISITES	Grade of "C" or better in Architecture and Building Construction I (AE861) or consent of the instructor.

AE820 WOODS DESIGN & MANUFACTURING I	
GRADE LEVEL	9, 10, 11, 12
CREDITS	1
FEES & SUPPLIES	\$30.00 lab fee. Students will need to purchase safety goggles, pencil, tape measure, and materials for projects.
DESCRIPTION	This is an entry level woodworking course which provides students an opportunity to explore the process of creating wood products using high-tech manufacturing equipment. Students will be exposed to the design, development and manufacturing processes commonly used in the furniture making industry to construct a quality end table. Students will learn to independently use the CNC laser and small CNC router to create and personalize small wood products.
PREREQUISITES	None

AE800 WOODS DESIGN & MANUFACTURING II	
GRADE LEVEL	10, 11, 12
CREDITS	1
FEES & SUPPLIES	\$30.00 lab fee. Students will need to purchase safety goggles, pencil, tape measure, and materials for projects.
DESCRIPTION	This is an intermediate level woodworking course which provides students an in-depth experience in cabinetmaking using high-tech manufacturing equipment. Students will apply the design, development and manufacturing processes commonly used in the cabinet making industry to construct a quality nightstand cabinet. Students will learn how to independently program and operate the larger industrial CNC router to build a cabinet.
PREREQUISITES	Grade of "C" or better in Wood Design and Manufacturing I (AE801) or consent of the instructor.

Applied Engineering & Technology Course Offerings

AE803 WOODS DESIGN & MANUFACTURING III (FORMERLY APPLIED CABINETMAKING)	
GRADE LEVEL	11, 12
CREDITS	1
FEES & SUPPLIES	\$30.00 lab fee. Students will need to purchase safety goggles, pencil, tape measure, and materials for projects.
DESCRIPTION	This is an advanced level woodworking course which provides students an opportunity to independently apply the engineering design process to manufacture their own wood product using high-tech manufacturing equipment. A product of high quality and thoughtful planning is the goal of this course. Students will create a portfolio which will include the project bill of materials, detailed plan of procedure, part drawings, assembly drawings, bi-weekly work reports and detailed pictures of the products.
PREREQUISITES	Grade of "C" or better in Woods Design and Manufacturing II (AE802) or consent of the instructor.

AE860 INTRODUCTION TO MACHINING & AUTOMATION	
GRADE LEVEL	9, 10, 11, 12
CREDITS	1
FEES & SUPPLIES	\$30 lab fee. Students will need to purchase safety glasses and materials for projects that they take home (roughly \$35).
DESCRIPTION	This course is designed to build fundamental skills needed for manual machining, Computer-numerical-controlled (CNC) machining, and industrial robotic programming. Students will translate information from technical drawings and instructions to create complete projects using industrial machinery and modern manufacturing practices. Students will receive an introduction to automation in industry and learn how to program and operate CNC machines and industrial robots. This course is designed to be very project and application based, giving students the chance to work in a modern machine shop and learn in a hands-on manner. Through this course, students will have the opportunity to earn industry-recognized CNC certifications.
PREREQUISITES	None

AE865 ADVANCED MACHINING & AUTOMATION	
GRADE LEVEL	10, 11, 12
CREDITS	1
FEES & SUPPLIES	\$30 Lab Fee. Students will need to purchase safety glasses and materials for projects that they take home (roughly \$20).
DESCRIPTION	This course will take the original metal working concepts covered in Introduction to Machining and Automation and greatly expand on them. Students taking this class will advance their knowledge in the areas of manual machining, CNC utilization, and advanced manufacturing processes. Students will learn advanced processes on manual and CNC machines. Students will also expand their knowledge of robotic programming, simulating the use of robots in industrial settings. Students successfully completing this course will have an excellent knowledge base to transition into a variety of industry settings in potential careers.
PREREQUISITES	Grade of "C" or better in Introduction to Machining and Automation (AE860) or consent of the instructor.

Applied Engineering & Technology Course Offerings

AE870 WELDING FABRICATION I	
GRADE LEVEL	9, 10, 11, 12
CREDITS	1
FEES & SUPPLIES	\$30 lab fee. There will be an approximately \$45 Project fee for the materials that students use to make their projects that they take home. This would include metal, paint, and additional accessories.
DESCRIPTION	Students taking this class will advance their knowledge in the areas of various types of welding and advanced design-to-fabrication projects. The course is very much lab based and is designed to teach students through numerous hands-on activities.
PREREQUISITES	None

AE871 WELDING FABRICATION II	
GRADE LEVEL	10, 11, 12
CREDITS	1
FEES & SUPPLIES	\$30 Lab Fee. There will be an additional project fee assessed once students submit their project proposal for their independent project. This fee will be determined by the student's design
DESCRIPTION	Students taking this class will advance their knowledge in the areas of welding and advanced design-to-fabrication projects. The course is very much lab-based and is designed to teach students through numerous hands-on activities.
PREREQUISITES	Grade of "C" or better in Welding Fabrication I (AE870) or consent of the instructor.

9006 GRAPHIC ARTS YOUTH APPRENTICESHIP	
GRADE LEVEL	11
CREDITS	2
FEES & SUPPLIES	None
DESCRIPTION	Two-year program is open to juniors that combines academic education, occupational instruction, and work-based learning with an employer in the field of printing. The work component is a paid experience and a two-year commitment with the student and employee. Candidates must have completed a class in printing and complete an application and interview process.
PREREQUISITES	Consent of Extended Learning Opportunities Coordinator and Instructor.
ADDITIONAL INFORMATION	Students must provide their own transportation to the work site.

Applied Engineering & Technology Course Offerings

AE824 MANUFACTURING YOUTH APPRENTICESHIP	
GRADE LEVEL	11
CREDITS	2
FEES & SUPPLIES	None
DESCRIPTION	Manufacturing Youth Apprenticeship is a two-year state certified program. It combines academic education with occupational instruction and work-based learning. The first year of the apprenticeship is taught on site in Manufacturing. The second year of the apprenticeship is taught at WCTC. State mandated competencies must be met in the classroom and at the work site. An onsite teaching mentor is required for all work experiences. Students may apply for the program their sophomore year, to begin their junior year. Applications are available from the Extended Learning Opportunities Coordinator. The application process also includes an interview with the Extended Learning Opportunities Coordinator as well as with an employer. If hired, the student becomes part of the apprenticeship program. Students must take Introduction to Technology Systems as a prerequisite.
PREREQUISITES	Consent of Extended Learning Opportunities Coordinator and Instructor.
ADDITIONAL INFORMATION	Students must provide their own transportation to the work site.

ART

Department Goal

Our goal in the Hamilton School District is to prepare our students for a richer and more rewarding life. Through the freedom of visual expression, we encourage creative thinking, use of imagination and problem-solving. Through a study of art heritage, students gain sensitivity to their environment and respect for self and others. The art curriculum emphasizes a performance-based approach.

Quality art education creates situations that cause the student to question, to make decisions, to think, to look, to understand, to change and to grow. Processes and media are important not for themselves, but for what they allow the student to know and be able to do. Classroom critiques help students practice constructive criticism and model good citizenship.

Hamilton High School offers students a variety of experiences through a wide range of art courses. Some courses are meant to be taken sequentially, while others do not require previous experience. Below is a chart listing possible course sequences for student selection. Please refer to course listings for more specific information and requirements

Art Course Sequence

Below you will find several sequences of classes that you can take to reach the highest-level Advanced Placement courses.

PATH A		PATH B		PATH C		PATH D	
AR6	Art Survey or 8th Grade Art	AR6	Art Survey or 8th Grade Art	AR6	Art Survey or 8th Grade Art	AR6	Art Survey or 8th Grade Art
AR2	Drawing	AR9	Painting	AR7	Ceramics/Sculpture	AR7	Ceramics/Sculpture
AR9	Painting	AR10	Photo Expression	AR2	Drawing	AR3	Advanced Ceramics & Sculpture
AR1	AP Drawing	AR1	AP 2D Art and Design				AP 3D and Design

- Art Survey is a required class for the sequence of Fine Art coursework offered at Hamilton. If a year of 8th grade art is completed (daily or A/B schedule) and a B or higher is achieved, Art Survey can be bypassed, and a studio may be chosen. It is possible to be recommended for a concentrated medium class without a B or higher with the recommendation of Art Survey or 8th grade instructor.
- Art courses without a prerequisite: Photo Expression
- Art course prerequisite: 8th grade art OR Art Survey—Drawing, Painting, Ceramics/Sculpture
- Clubs available if an art course doesn't fit into your schedule: Yearbook, Art Club, Photo Club

Art Course Offerings

AR6	ART SURVEY
GRADE LEVEL	9, 10, 11, 12
CREDITS	1
FEES & SUPPLIES	\$25.00 lab fee. Also needed: Folder or notebook, #2 pencils and eraser, black sharpie, plastic bags, and containers.
DESCRIPTION	Art Survey is designed as an introductory course for students interested in understanding, appreciating, and participating in the visual arts. This course explores drawing, painting, printmaking, design, ceramics, and sculpture.
PREREQUISITES	None

AR2	DRAWING
GRADE LEVEL	9, 10, 11, 12
CREDITS	1
FEES & SUPPLIES	\$25.00 lab fee. Students will receive a sketchbook, portfolio, erasers, and sketching pencils. Also needed: pencils, pocket folder, and materials received in Art Survey. Flash drive will be needed for your digital portfolio.
DESCRIPTION	Students will explore technical representation methods and the expressive qualities of the human image. Creativity and originality are emphasized as technical skills are developed through drawing, painting, printing, and technological processes. Students are immersed in art production and provided with opportunities for additional practice through weekly sketchbook drawings. Students regularly engage in critiques of their own work and the artwork of modern era artists.
PREREQUISITES	Art Survey (6) or B or higher in 8th grade art or demonstration of proficiency with portfolio and/or instructor's consent.

AR9	PAINTING
GRADE LEVEL	9, 10, 11, 12
CREDITS	1
FEES & SUPPLIES	\$35.00 lab fee. Students receive a brush set, watercolor sketchbook, oil pastels and use of acrylic and watercolor paints. Also needed: portfolio, pocket folder, pencils, erasers, Tupperware, or Rubbermaid type of airtight container (approx. size 6" x 12" x 3"). Flash drive for storage of continuing your digital portfolio.
DESCRIPTION	The student will work through the major art genres of still life, landscape, portraiture, man and nature, and landscape. Students will explore acrylic, watercolor, and oil pastel techniques on a variety of surfaces. Originality and work from observation is stressed in both class work and weekly sketchbook homework. Art history is used as a guide for each class lesson. In addition, students select three artists to explore more in depth through the research and writing of quote papers. Continued development of the digital portfolio is pursued.
PREREQUISITES	Art Survey (6) or B or higher in 8 th grade art or demonstration of proficiency with portfolio and/or instructor's consent.

Art Course Offerings

AR7 CERAMICS & SCULPTURE	
GRADE LEVEL	9, 10, 11, 12
CREDITS	1
FEES & SUPPLIES	\$25.00 lab fee for materials. Also needed: smock, plastic bags, plastic containers with covers, hand cream, pocket folder or notebook, pencils, and flash drive for digital portfolio.
DESCRIPTION	Ceramics is a comprehensive exploration of ceramic processes with an emphasis on hand-building and an introduction to sculptural techniques and art forms. Students will utilize the expressive properties of clay as an artistic medium, while developing life-long skills inherent to the art experience such as creative thinking, problem solving, visual communication and self-expression. In addition to demonstration of technical skills, students will gain an understanding of historic and cultural aspects of ceramic art as well as compile and maintain a digital portfolio of finished work.
PREREQUISITES	Art Survey (6) or B or higher in 8 th grade art or demonstration of proficiency with portfolio and/or instructor's consent.

AR3 ADVANCED CERAMICS & SCULPTURE	
GRADE LEVEL	10, 11, 12
CREDITS	1
FEES & SUPPLIES	\$25.00 Lab Fee for materials. Additional fees and materials may be required on an individual basis. Also needed: folder, pencil and eraser, plastic bags and covered containers, flash drive for your digital portfolio.
DESCRIPTION	This is an advanced course for the student who has already developed the basic knowledge offered in Ceramics and Sculpture. Students will work on a series of problems leading to final works that investigate materials and processes relative to the three-dimensional arts. An important foundation for this course is knowledge of the art elements and design principles which will be reviewed through each project. Students learn to observe carefully and interpret what they see around them, the importance of art in human history, and how to work with a variety of modes of expression and materials. The students will work with various media to better understand additive and subtractive techniques, direct building, mold making, casting and carving, modeling and hand building methods in clay, as well as wheel throwing. Sketches, brainstorming and research will be used to plan projects. Objectives of the course are to expand the students' knowledge of three-dimensional art, develop broad art vocabulary, ability to respond to art forms, and practice new art skills.
PREREQUISITES	Art Survey (6) or B or higher in 8th grade art or demonstration of proficiency with portfolio and/or instructor's consent, Ceramics/Sculpture (AR7).

Art Course Offerings

AR10 PHOTOGRAPHIC EXPRESSION	
GRADE LEVEL	9, 10, 11, 12
CREDITS	1
FEES & SUPPLIES	\$35.00 Lab Fee. Students will be using both digital and film cameras during the semester. They will have a DSLR camera available for them to use if they do not have their own, but if a student has access to a DSLR camera or a 35mm film SLR camera, they are highly encouraged to bring and use their own. Students are also highly encouraged to purchase their own 64 GB SD card to store their digital images.
DESCRIPTION	Description: This visual art course combines elements of fine art and photographic processes and technology. Students will learn how to use a DSLR camera with a focus on understanding of the Exposure triangle and how to manipulate light through various labs. Students will also have the opportunity to learn how a 35 mm film camera works while processing and developing black and white film. Students will learn artistic composition and design, technology behind editing and manipulating creative images, and how to chemically develop film and prints. Students will also discover special effects possible with certain lighting, developing, and printing techniques.
PREREQUISITES	None

AR2170 ADVANCED PHOTOGRAPHIC EXPRESSION	
GRADE LEVEL	9, 10, 11, 12
CREDITS	1
FEES & SUPPLIES	\$35.00 Lab Fee. Students will be using both digital and film cameras during the semester. They will have a DSLR camera available for them to use if they do not have their own, but if a student has access to a DSLR camera or a 35mm film SLR camera, they are highly encouraged to bring and use their own. Students are also highly encouraged to purchase their own 64 GB SD card to store their digital images.
DESCRIPTION	This is an advanced level course that facilitates discussion of photographic processes within the larger context of contemporary art, photography, and digital media. Workshops in the context of the course will introduce lighting for studio applications, product photography, portraits and posing, digital design and creative manipulation of photographic images, and advanced dark room film photo processes. Students will use Adobe Photoshop along with other editing software to manipulate and fine tune their captured images, building upon the knowledge and experience gained in the first Photographic Expression course.
PREREQUISITES	Photographic Expression

Art Course Offerings

AR1 ADVANCED PLACEMENT DRAWING / 2D ART & DESIGN / 3D ART & DESIGN	
GRADE LEVEL	11, 12
CREDITS	2
FEES & SUPPLIES	\$25.00 Lab Fee each semester is required for materials. Additional fees may be required based on student production. Also needed: Portfolio (use the one from Drawing or a new one may be purchased), 3-ring binder, pencils, erasers, Tupperware or Rubbermaid type of airtight container (approx. size 6"x12"x3"). Flash drive for your digital portfolio.
DESCRIPTION	<p>This course is designed to give the highly motivated and serious art student the opportunity to improve and refine skills already developed in previously required course work. AP work involves significantly more commitment and accomplishment than the typical high school course and is not for the casually interested student. Students will need to work outside the classroom as well as in it. Maintaining a sketchbook, study of the text and portfolio are required. This course addresses three major concerns that are constants in the teaching of art:</p> <ol style="list-style-type: none"> 1. A sense of quality in a student's work. 2. The student's concentration on a particular visual interest or problem. 3. The student's need for breadth of experience in the formal, technical, and expressive means of an artist. <p>Therefore, the course work will reflect these areas of concern: quality or "Selected Works", and concentration, or "Sustained Investigation". Advanced Placement Art college credit is based on a submission of a portfolio for evaluation to the College Board in May. AP Art prepares the student to take either the Drawing or the 2D Art and Design portfolio exam. AP Art may be elected with teacher permission for a second year to prepare for and take the second exam.</p> <p>Drawing Portfolio: In the Drawing portfolio, the student's mastery of drawing can be demonstrated through a wide range of approaches and media. Light and shade, line quality, rendering of form, composition, surface manipulation, and the illusion of depth are drawing issues that can be addressed through a variety of means, which include drawing, painting, printmaking, and mixed media. Abstract, observational, and inventive works may be submitted. The range of marks used to make drawings, the arrangement of marks, and the materials used to make the marks are endless.</p> <p>2-D Art and Design Portfolio: 2-D Art and Design involves purposeful decision making about using the elements and principles of art in an integrative way. Students should demonstrate understanding of design principles as applied to a two-dimensional surface. The principles of design (unity/variety, balance, emphasis, contrast, rhythm, repetition, proportion/scale, and figure/ground relationship) can be articulated through the visual elements (line, shape, color, value, texture, space). Any 2-D process or medium may be submitted, including, but not limited to, graphic design, digital imaging, photography, collage, fabric design, illustration, painting and printmaking.</p> <p>3-D Art and Design Portfolio: This portfolio is designated for work that focuses on the application of three-dimensional (3-D) elements and principles of art and design, including point, line, shape, plane, layer, form, volume, mass, occupied/unoccupied space, texture, color, value, opacity, transparency, time; unity, variety, rhythm, movement, proportion, scale, balance, emphasis, contrast, repetition, connection, juxtaposition, hierarchy. Students should consider how materials, processes, and ideas can be used to make work that involves space and form.</p>
PREREQUISITES	'B' Average or higher in Art Survey (6), Drawing (2) and Painting (9)

BUSINESS & MARKETING

Department Goal

Business & Marketing students will engage in a variety of authentic learning experiences in which students come to understand the link between what is learned in the classroom and its application to various business professions.

Overview

The Business & Marketing department offers a variety of courses for all students in three career pathways (1) Accounting & Finance (2) Business, Marketing & Management, and (3) Information Technology.

GRADE 9		GRADE 10		GRADE 11		GRADE 12	
BE120	Personal Finance	BE120	Personal Finance	BE120	Personal Finance	BE120	Personal Finance
BE126	Entrepreneurship	BE100	Accounting	BE100	Accounting	BE100	Accounting
BE119	Marketing	BE102	Advanced Accounting	BE102	Advanced Accounting	BE102	Advanced Accounting
BE124	Computer Programming	BE126	Entrepreneurship	BE126	Entrepreneurship	BE126	Entrepreneurship
BE110	Computer Applications	BE119	Marketing	BE119	Marketing	BE119	Marketing
BE104	Digital Design & Web Development	BE127	Sports & Entertainment Marketing	BE127	Sports & Entertainment Marketing	BE127	Sports & Entertainment Marketing
		BE110	Computer Applications	BE110	Computer Applications	BE110	Computer Applications
		BE104	Digital Design & Web Development	BE104	Digital Design & Web Development	BE104	Digital Design & Web Development
		BE124	Computer Programming	BE124	Computer Programming	BE124	Computer Programming
		BE112	Video Game Programming	BE112	Video Game Programming	BE112	Video Game Programming
		BE125	AP Computer Science	BE125	AP Computer Science	BE125	AP Computer Science
		BEIND	Social Media Marketing Internship	BEIND	Social Media Marketing Internship	BEIND	Social Media Marketing Internship
				BEIND	Retail Management Internship	BEIND	Retail Management Internship
				BE107	Finance Youth Apprenticeship	BE107	Finance Youth Apprenticeship
						BE150	Business Co-Op



Business & Marketing Course Offerings


BE100 ACCOUNTING	
GRADE LEVEL	10, 11, 12
CREDITS	1
FEES & SUPPLIES	\$40 fee includes a workbook, simulation, and additional classroom materials.
DESCRIPTION	Students will learn the accounting principles and procedures and how they affect both their professional and personal lives. The complete accounting cycle is presented from starting an accounting system for a sole proprietorship to the accounting cycle for a corporation through related problems, projects, and a month-long simulation at the end of the course.
PREREQUISITES	None

BE102 ADVANCED ACCOUNTING	
GRADE LEVEL	10, 11, 12
CREDITS	1
FEES & SUPPLIES	\$35 fee includes a workbook, simulation, and additional classroom materials.
DESCRIPTION	Students will utilize skills from Accounting at an advanced level by independently learning how to do accounting for corporations including preparing payroll records, financial statements, and simulations. Activities will be done utilizing Excel spreadsheets and a month-long simulation at the end of the course. Students enrolled in this course will need to demonstrate independent learning skills.
PREREQUISITES	BE 102 – Accounting

BE120 PERSONAL FINANCE	
GRADE LEVEL	9, 10, 11, 12
CREDITS	1
FEES & SUPPLIES	\$10.00 fee for simulation and materials.
DESCRIPTION	This course will provide students with the skills and knowledge to facilitate their transition into competent, confident, and financially literate citizens. Students will develop a practical knowledge of the real world of personal financial management. Major units of study include, but are not limited to career exploration, consumerism, money management, savings & investing, managing your credit, purchasing a car and house, filing your income taxes.
PREREQUISITES	None



Business & Marketing Course Offerings

BE126 ENTREPRENEURSHIP	
GRADE LEVEL	9, 10, 11, 12
CREDITS	1
FEES & SUPPLIES	\$15.00 fee for simulation and materials.
DESCRIPTION	Entrepreneurship is a great course for students that are interested in starting their own business. This course teaches students the skills necessary to create and manage a business. Major units of study include, but are not limited to: entrepreneurial mindset, innovation, organizational planning, business ethics & legal responsibilities, managerial philosophies, human resources, marketing, and financial forecasting. Students in this class will not only learn about entrepreneurship but experience it first hand through the creation of their own business plan.
PREREQUISITES	None
ADDITIONAL INFORMATION	<div>  WAUKESHA COUNTY TECHNICAL COLLEGE </div> <p>Articulated course: This is a transcribed course through WCTC. Students can earn 3 elective college credits.</p> <div>  <p>Industry Certification: Students will have the opportunity to earn industry certification through the ASK Institute.</p> </div>


BE119 MARKETING	
GRADE LEVEL	9, 10, 11, 12
CREDITS	1
FEES & SUPPLIES	\$15.00 fee for simulation and materials.
DESCRIPTION	In this course, students gain knowledge of core marketing principles and strategies. Through hands-on projects, they will apply concepts in target marketing, branding, product development, pricing, distribution, advertising, and more. Students will build creative, analytical, and communication skills for potential careers in marketing, advertising, sales, or entrepreneurship. In taking this course, students also work in Hamilton's school-based enterprise, The Charger Corner.
PREREQUISITES	None
ADDITIONAL INFORMATION	<div>  WAUKESHA COUNTY TECHNICAL COLLEGE </div> <p>Articulated course: This is a transcribed course through WCTC. Students can earn 3 elective college credits.</p> <div>  <p>Industry Certification: Students will have the opportunity to earn industry certification through the ASK Institute.</p> </div>

BE127 SPORTS & ENTERTAINMENT MARKETING	
GRADE LEVEL	10, 11, 12
CREDITS	1
FEES & SUPPLIES	\$15.00 fee for simulation and materials.
DESCRIPTION	In this course, students will explore the operations of multi-billion-dollar organizations and find out what it takes to be a successful marketing professional in some of the largest economic industries including: professional & amateur sports, multimedia entertainment, hospitality, tourism, and event planning. Students will get a hands-on approach to growing their business knowledge and abilities.
PREREQUISITES	Marketing (119)



Business & Marketing Course Offerings

BE110	COMPUTER APPLICATIONS	
GRADE LEVEL	9, 10, 11, 12	
CREDITS	1	
FEES & SUPPLIES	\$10 lab fee for materials.	
DESCRIPTION	Students will develop and apply computer skills using Microsoft Office (Word, Excel, and PowerPoint) to produce personal, school-related, and business documents. The business world is seeking employees with a strong Microsoft background. This course will provide students with in-depth training AND give them an opportunity to become a Microsoft Office Specialist in Word, Excel, and PowerPoint. In addition, students who receive a "C" or better will receive "3" college credits transferable to a college of their choice.	
PREREQUISITES	None	
ADDITIONAL INFORMATION	<div>  WAUKESHA COUNTY TECHNICAL COLLEGE </div> <div> Articulated course: This is a transcribed course through WCTC. Students can earn 3 elective college credits. </div> <div>  Industry Certification: Students will have the opportunity to earn certification through Microsoft. </div>	

BE104	DIGITAL DESIGN & WEB DEVELOPMENT	
GRADE LEVEL	9, 10, 11, 12	
CREDITS	1	
FEES & SUPPLIES	\$10 lab fee for materials.	
DESCRIPTION	Students will utilize state-of-the-art Adobe Creative Cloud software to create custom digital designs, apps, and websites. Students will learn to develop, create and build professional web apps and sites using some of the most sophisticated software programs including Photoshop, InDesign, Express, and Illustrator. In addition, the high demand skill of coding using HTML, CSS and some JavaScript will be covered.	
PREREQUISITES	Computer Applications (110)	

BE124	COMPUTER PROGRAMMING	
GRADE LEVEL	9, 10, 11, 12	
CREDITS	1	
FEES & SUPPLIES	\$10.00 fee for simulation and materials.	
DESCRIPTION	In this beginning level programming course, students will understand the operation of browsers using the JavaScript programming language. The basics of HTML and CSS as they relate to designing the final pages will also be discussed. Students will learn to design and code interactive Web pages using algorithms and commands of the JavaScript language and jQuery library. Program design principles will also be discussed. This course will prepare students for Video Game Programming and AP Computer Programming.	
PREREQUISITES	Algebra (505) or Algebra A (506) and Algebra B (507)	
ADDITIONAL INFORMATION	<div>  WAUKESHA COUNTY TECHNICAL COLLEGE </div> <div> Articulated course: This is a transcribed course through WCTC. Students can earn 3 elective college credits. </div> <div> Industry Certification: Students will have the opportunity to earn HTML/CSS and JavaScript certification. </div>	

Business & Marketing Course Offerings

BE112 VIDEO GAME PROGRAMMING	
GRADE LEVEL	10, 11, 12
CREDITS	1
FEES & SUPPLIES	\$10.00 fee for simulation and materials.
DESCRIPTION	This course introduces the Python Programming Language. Students will learn to write Python scripts that process input and output files, manipulate strings, parse text, perform calculations, explore advanced data types, and object oriented coding within the context of design patterns. Students will learn techniques of game design by coding popular games, how to handle input from keyboard and mouse, use GUI libraries, program basic gameplay algorithms, and use object-oriented principles to create modular, well-designed games.
PREREQUISITES	Algebra (505) or Algebra A (506) and Algebra B (507) and C or higher in Computer Programming (124)
ADDITIONAL INFORMATION	<div>  Waukesha County Technical College </div> <div> Articulated course: This is a transcribed course through WCTC. Students can earn 3 elective college credits. </div> <div>  python™ </div> <div> Industry Certification: Students will have the opportunity to earn Python industry certification. </div>

BE125 AP COMPUTER SCIENCE	
GRADE LEVEL	10, 11, 12
CREDITS	2 (weighted grade – 5.0 scale)
FEES & SUPPLIES	\$10.00 fee for simulation and materials.
DESCRIPTION	Advanced Placement Computer Programming is the equivalent of a first course in computer programming offered in college and university computer science departments. Major topics include programming methodology, algorithms, and data structures as they are implemented in the JAVA programming language. This course will prepare students to take the AP Computer Science exam.
PREREQUISITES	Advanced Algebra (504), Computer Programming (124) and Teacher Recommendation



Expand Your Learning Through DECA!

The DECA experience starts in the classroom where students learn business concepts in preparation for college and careers. A powerful instructional component, DECA brings the classroom to life by empowering the teacher-advisor to make learning relevant with educational programs that integrate into classroom instruction, apply learning, connect to business and promote competition. The successful integration of each of these four interconnected components, also part of DECA's guiding principles, results in a strong program that produces college- and career-ready students.

Business & Marketing Work Experience

These courses do not offer direct instruction. Instead, students learn independently and enrollment is limited. Students must complete an application to be considered for these courses.

BE107 BUSINESS CO-OP	
GRADE LEVEL	12
CREDITS	1 or 2
FEES & SUPPLIES	None
DESCRIPTION	Students must be enrolled in an advanced level Business Education course directly related to their co-op experience. Students will apply skills and knowledge gained in upper-level courses to their related on-the-job training. Students could be released early in the school day and must work at their designated training station for the semester or entire school year. Students must successfully complete the application process, secure a job, and get consent from the instructor to be accepted into the co-op program.
PREREQUISITES	Consent of Extended Learning Opportunities Coordinator and Instructor consent AND Computer Applications (110) or Accounting (100)
ADDITIONAL INFORMATION	Students must provide their own transportation to and from their training station.

BE150 FINANCE YOUTH APPRENTICESHIP	
GRADE LEVEL	11, 12
CREDITS	2
FEES & SUPPLIES	None
DESCRIPTION	This is a program open to juniors and/or seniors that combines academic education, occupational instruction, and work-based learning with an employer in the field of finance. Students take two courses at WCTC, which accompanies a paid work experience. Students must apply and be selected by the Extended Learning Coordinator and instructor after an interview process in the winter/spring of his/her sophomore year.
PREREQUISITES	Consent of Extended Learning Coordinator and Business Education Instructor
ADDITIONAL INFORMATION	Students must provide their own transportation to and from their training station.

Business & Marketing Independent Study Course Offerings

These courses do not offer direct instruction. Instead, students learn independently and enrollment is limited. Students must complete an application to be considered for these courses.

RETAIL MANAGEMENT INTERNSHIP	
GRADE LEVEL	11-12
CREDITS	1
FEES & SUPPLIES	None
DESCRIPTION	In this independent study, students will gain hands-on retail management experience running the school-based enterprise (SBE), Charger Corner. Acting as management, students will oversee daily operations, manage inventory and suppliers, develop merchandise displays, track sales and expenses, and train employees. Students will develop customer service, sales, marketing, and managerial skills. Students will submit regular reports to the instructor, complete daily financial deposits, and develop a written portfolio to be submitted to DECA, Inc. to certify the store as a gold-certified SBE. This independent study provides students with the autonomy to develop business leadership skills while managing a real-world retail operation.
PREREQUISITES	C or better in Marketing (119) and teacher approval. Students should talk to their Marketing instructor to get an application for this course.
ADDITIONAL INFORMATION	Course is limited to 2 students per semester.

SOCIAL MEDIA MARKETING INTERNSHIP	
GRADE LEVEL	11-12
CREDITS	1
FEES & SUPPLIES	None
DESCRIPTION	In this independent study course, students will gain hands-on social media marketing experience through an internship environment. Throughout the semester, students will learn specific marketing strategies related to social media marketing while managing and developing content for Hamilton's student-run Instagram page. Through this real-world learning opportunity, students will apply classroom knowledge to build valuable skills in audience identification, community management, content creation, and more.
PREREQUISITES	C or better in Marketing (119) and teacher approval. Students should talk to their Marketing instructor to get an application for this course.
ADDITIONAL INFORMATION	Course is limited to 3 students per semester.

COMMUNICATION ARTS

Department Goal

To graduate from Hamilton, students are required to complete four credits of Communication Arts.

- At the freshman and sophomore level, all students not following the Honors course sequence enroll in Communication Arts 9 and 10.
- Students in the Honors course sequence enroll in Communication Arts 9 Honors in the freshman year, Communication Arts 10 Honors in the sophomore year, Advanced Placement Language and Composition or Advanced Placement Literature and Composition in the junior year and the other Advanced Placement class in the senior year.
- Students who have not taken the Honors track previously have the option, beginning in the junior year, to take Honors or Advanced Placement courses if prerequisites have been met.
- As students advance to the junior and senior levels, they will choose one credit a year from a list of more specialized courses: American Literature, Contemporary Literature, Creative Writing, Literature and Film Studies, Sports and Motivational Literature, Oral and Interpersonal Communication, World Literature and Cultural Studies (Traditional or Blended Format), College Reading and Writing (Traditional or Blended Format), Advanced Placement Language & Composition, Advanced Placement Literature & Composition. AP Seminar, AP Research (starting 2025-2026)

All courses offered incorporate the study of fiction and non-fiction literature, media, oral/written communication, and language study. In addition, skills in research and evaluation will be developed, requiring students to use outside resources. Communication Arts classes infuse activities from class web pages, on-line textbooks and other web-based resources. Access to the internet outside of school is needed. Daily homework is an expectation for all Communication Arts classes. In addition, the Communication Arts department offers elective courses in podcast/media production and filmmaking.

The Communication Arts curriculum has been designed to ensure that all students will achieve the same set of proficiencies in reading, writing, listening, speaking, and thinking skills that will prepare them for the future, including technical school, college, or a career beginning immediately after graduation.

COMMUNICATION ARTS GRADUATION REQUIREMENTS			
Communication Arts 9 or Communication Arts 9 Honors			
Communication Arts 10 or Communication Arts 10 Honors			
A minimum of two credits (one junior year, one senior year) of the following:			
American Literature	Contemporary Literature	Creative Writing	Literature and Film Studies
Sports and Motivational Literature	Oral and Interpersonal Communication	College Reading and Writing	College Reading and Writing – (Blended/Online – seniors only)
World Literature and Cultural Studies	World Literature and Cultural Studies – (Blended/Online – Seniors only)	Advanced Placement Language and Composition	Advanced Placement Literature and Composition
Advanced Placement Seminar	Advanced Placement Research		

COMMUNICATION ARTS ELECTIVE COURSES

These classes are offered for enrichment and do not satisfy the one credit per year requirement for graduation.

Film Production

Podcasting and Media Production

Selecting Courses

If one does not wish to continue in Honors classes:

- If a student is enrolled in Communication Arts 9 Honors and **does not wish to continue** in the honors program, the student should take Communication Arts 10 as a sophomore.
- If a student is enrolled in Communication Art 10 Honors and **does not wish to continue** in the honors program, the student should take a non-Advanced Placement course as a junior.

Use the following side-by-side comparison to help choose courses for 11th and 12th grade years

	TYPES OF READING	TYPES OF WRITING	TYPES OF SPEAKING	ASSIGNMENTS & TASKS
AMERICAN LITERATURE	<ul style="list-style-type: none"> • American fiction • Nonfiction • Drama • Poetry 	<ul style="list-style-type: none"> • Analytical • Research 	<ul style="list-style-type: none"> • Group • Presentation • Individual • Whole Class discussion 	<ul style="list-style-type: none"> • Present an Ignite speech • Individual & group presentations • Class discussion • Book project
CONTEMPORARY LITERATURE	<ul style="list-style-type: none"> • 21st century fiction • Nonfiction 	<ul style="list-style-type: none"> • Analytical • Creative • Research-driven • Persuasive 	<ul style="list-style-type: none"> • Group • Presentation • Individual • Whole Class discussion 	<ul style="list-style-type: none"> • Write in a variety of genres
CREATIVE WRITING	<ul style="list-style-type: none"> • Fiction • Drama • Poetry • Narrative nonfiction • Graphic 	<ul style="list-style-type: none"> • Fiction • Drama • Poetry • Narrative nonfiction 	<ul style="list-style-type: none"> • Small Group • Presentation 	<ul style="list-style-type: none"> • Various portfolios for each type of writing • Journaling
LITERATURE AND FILM STUDY	<ul style="list-style-type: none"> • Nonfiction • Fiction • Fairy Tales • Film/Images 	<ul style="list-style-type: none"> • Fiction • Essays • Scripts • Analytical • Creative 	<ul style="list-style-type: none"> • Group & individual presentations • Whole class & small group discussions 	<ul style="list-style-type: none"> • Write original fiction • Presentations • Research • Individual & group presentations
SPORTS AND MOTIVATIONAL LITERATURE	<ul style="list-style-type: none"> • Nonfiction • Fiction • Speeches • Film 	<ul style="list-style-type: none"> • Analytical • Research • Fiction • Narrative 	<ul style="list-style-type: none"> • Group • Presentation • Individual • Whole Class discussion 	<ul style="list-style-type: none"> • Research • Individual & group presentations • Analysis writing

continue on the next page

	TYPES OF READING	TYPES OF WRITING	TYPES OF SPEAKING	ASSIGNMENTS & TASKS	OTHER CONSIDERATIONS
WORLD LITERATURE AND CULTURAL STUDIES	<ul style="list-style-type: none"> • Drama • Mythology • Nonfiction • Historical fiction 	<ul style="list-style-type: none"> • Creative • Analytical • Argumentative 	<ul style="list-style-type: none"> • Group • Presentation • Individual • Whole Class • Discussion 	<ul style="list-style-type: none"> • Individual & group presentations • Class discussions • Analysis writing 	Blended/Online Offered to Seniors only
ORAL AND INTERPERSONAL COMMUNICATION	<ul style="list-style-type: none"> • Nonfiction • Speeches • Drama 	<ul style="list-style-type: none"> • Technical • Business • Argumentative • Analytical 	<ul style="list-style-type: none"> • Informative speech • Persuasive speech • Group/team speech 	<ul style="list-style-type: none"> • There will be more speeches than essays in this class 	Transcribed with WCTC Graded on WCTC grading scale
COLLEGE READING AND WRITING	<ul style="list-style-type: none"> • Nonfiction • Historical fiction • Technical literature • Memoirs 	<ul style="list-style-type: none"> • Argumentative • Research • College Scholarship/ Application Essay 	<ul style="list-style-type: none"> • Group • Presentation • Individual • Whole Class discussion 	<ul style="list-style-type: none"> • Write college-style assignments and complete technical research • Individual & group presentations • Class discussion 	Blended/Online Offered to Seniors only
AP LANGUAGE AND COMPOSITION	<ul style="list-style-type: none"> • Nonfiction 	<ul style="list-style-type: none"> • Analytical • Research • Argumentative • Narrative 	<ul style="list-style-type: none"> • Group • Presentation • Individual • Whole Class discussion 	<ul style="list-style-type: none"> • Write timed essays • Prepare for AP test in May • Individual presentations • Class discussion 	Weighted credit
AP LITERATURE AND COMPOSITION	<ul style="list-style-type: none"> • Fiction • Drama • Poetry 	<ul style="list-style-type: none"> • Analytical • Research Literary 	<ul style="list-style-type: none"> • Group • Presentation • Individual • Whole Class discussion 	<ul style="list-style-type: none"> • Write timed essays • Prepare for AP test in May • Individual presentations • Class discussion 	Weighted credit
AP SEMINAR	<ul style="list-style-type: none"> • Nonfiction • Fiction • Speeches • Film/images • Art 	<ul style="list-style-type: none"> • Analytical • Argumentative • Research 	<ul style="list-style-type: none"> • Group • Presentation • Individual • Whole Class discussion 	<ul style="list-style-type: none"> • Focus on research • Prepare for AP test in May 	Weighted Credit
AP RESEARCH	<ul style="list-style-type: none"> • Nonfiction • Fiction • Speeches • Film/images • Art 	<ul style="list-style-type: none"> • Analytical • Argumentative • Advanced 4,000– 	<ul style="list-style-type: none"> • Group • Presentation • Individual Oral Defense of Research thesis • Whole Class Discussion 	<ul style="list-style-type: none"> • Advanced and independent focus on research of student selected subject/topic • Prepare for AP test in May 	Weighted Credit (seniors only) Must have taken AP Seminar

Supply List For Communication Arts Courses

• Notebook	• Folder or 3-ring binder	• Black or blue pens	• #2 pencils
• 3" x 5" or 4" x 6" notecards	• Sticky notes	• Access to color pens & pencils, markers and highlighters	

Communication Arts Course Offerings


CA205 COMMUNICATION ARTS 9	
GRADE LEVEL	9
CREDITS	1
FEES & SUPPLIES	See supply list on page 75 for Communication Arts courses.
DESCRIPTION	Communication Arts 9 is a required course designed as a foundation for the further study of Communication Arts and all other subject areas in high school. Students will work on reading, writing, listening, speaking, thinking, note-taking, and researching skills. These skills will be used to examine prose, fiction, poetry, and mass media.
PREREQUISITES	None

CA206 COMMUNICATION ARTS 9 HONORS	
GRADE LEVEL	9
CREDITS	1
FEES & SUPPLIES	See supply list on page 75 for Communication Arts courses and a copy of No Fear Shakespeare: King Lear
DESCRIPTION	Communication Arts 9 Honors is a highly rigorous and challenging curriculum; however, not all college-bound students will take this course. The course is designed at a rapid pace and explores topics on a deeper level. Students must possess a strong interest in reading and writing. In addition, students will work on reading, writing, listening, speaking, critical thinking, note-taking, and researching skills. These skills will be applied to a variety of genres.
PREREQUISITES	Students are identified for participation in honors coursework by a combination of grades in class, standardized test scores and student interest. Students will be notified if they have qualified for grade 9 honors courses.

CA202 COMMUNICATION ARTS 10	
GRADE LEVEL	10
CREDITS	1
FEES & SUPPLIES	See supply list on page 75 for Communication Arts courses
DESCRIPTION	Although Communication Arts 10 builds on the reading, writing, and speaking skills fostered in Communication Arts 9, the sophomore year focuses primarily on writing skills. Students will apply the six-step writing process to formal essays, concentrating on persuasive, informative, and analytical writing. Students will also learn the skills of oral communication both individually and in collaborative groups and present a persuasive speech or debate. In addition, the process of composing a persuasive research paper of length with citations will be emphasized as well as analyzing a literary work of length.
PREREQUISITES	Communication Arts 9

Communication Arts Course Offerings

CA201	COMMUNICATION ARTS 10 HONORS
GRADE LEVEL	10
CREDITS	1
FEES & SUPPLIES	See supply list on page 75 for Communication Arts courses.
DESCRIPTION	Communications Arts 10 Honors is designed to help students hone close reading, clear writing, and analytical thinking. This course prepares students for future enrollment in all Communication Arts classes, especially AP Language and AP Literature courses.
PREREQUISITES	'B' or higher in previous Communication Arts course and/or consent of the instructor.

CA224	ORAL AND INTERPERSONAL COMMUNICATION
GRADE LEVEL	11, 12
CREDITS	1
FEES & SUPPLIES	See supply list on page 75 for Communication Arts courses
DESCRIPTION	<p>All junior/senior level Communication Arts courses begin by developing skills in writing before engaging in course specific content. Juniors will focus on the on-demand ACT style essay, and seniors will focus on effective postsecondary application/scholarship essays.</p> <p>Oral and Interpersonal Communication is a course designed to continue the skills learned in Communication Arts 9 and 10. This course is a speech class that focuses on developing public speaking, interpersonal communication, and nonverbal communication through individual presentations, group activities, and other projects. Students will also write using the writing process to produce pieces in which the development, organization, and style are appropriate to the task's purpose and audience. They will also present evidence or support to analyze and synthesize various ideas and listen attentively to build on others' ideas. Students will choose precise vocabulary, syntax, and conventions to communicate appropriately.</p>
PREREQUISITES	Communication Art 9 or 10 or Honors Communication Arts 9 or 10
ADDITIONAL INFORMATION	 <p>Articulated course: This is a transcribed course with WCTC and credit can be transferred to most UW System universities and state technical colleges. Students must finish class with a letter grade of C or better to earn the college credit.</p>

Communication Arts Course Offerings

CA204		AMERICAN LITERATURE
GRADE LEVEL	11, 12	
CREDITS	1	
FEES & SUPPLIES	See supply list on page 75 for Communication Arts courses	
DESCRIPTION	<p>All junior/senior level Communication Arts courses begin by developing skills in writing before engaging in course specific content. Juniors will focus on the on-demand ACT style essay, and seniors will focus on effective postsecondary application/scholarship essays.</p> <p>American Literature is designed to continue the skills learned in Communication Arts 9 and 10. Students will read and analyze a variety of texts from different time periods in American Literature to determine meaning and interpret content and structure appropriate to the text's purpose and audience. Students will use the writing process to produce pieces in which the development, organization, and style are appropriate to the task's purpose and audience. They will also present evidence or support to analyze and synthesize various ideas and listen attentively to build on others' ideas. Students will choose precise vocabulary, syntax, and conventions to communicate appropriately.</p>	
PREREQUISITES	Communication Art 9 or 10 or Honors Communication Arts 9 or 10	

CA223		CREATIVE WRITING
GRADE LEVEL	11, 12	
CREDITS	1	
FEES & SUPPLIES	See supply list on page 75 for Communication Arts courses	
DESCRIPTION	<p>Creative Writing is a course designed to unlock the creative potential of students. It will use a variety of methods of output to give students a myriad of opportunities to cultivate creativity. Students will be taught the various methods of literary creative thought while developing their own process and practice. There will be an emphasis on conventions of modern English and specific vocabulary development as well as reading critically for form and function. Students will be expected to produce at least one piece for publication.</p>	
PREREQUISITES	Communication Art 9 or 10 or Honors Communication Arts 9 or 10	

Communication Arts Course Offerings

CA207 CONTEMPORARY LITERATURE	
GRADE LEVEL	11, 12
CREDITS	1
FEES & SUPPLIES	See supply list on page 75 for Communication Arts courses
DESCRIPTION	<p>All junior/senior level Communication Arts courses begin by developing skills in writing before engaging in course-specific content. Juniors will focus on the on-demand ACT style essay and seniors will focus on effective post-secondary application/scholarship essays.</p> <p>In Contemporary Literature, students read award-winning, critically acclaimed contemporary novels from a wide range of genres, at an average pace of 20 pages per night. Course texts shift year-to-year, but include four whole-class novels, one literature circle novel, and one independent novel. Students learn how to apply literary and other critical terms to analyze multiple texts. Students synthesize a common idea between all texts and practice both oral and written communication skills. Contemporary Literature addresses current topics which may be sensitive.</p>
PREREQUISITES	Communication Art 9 or 10 or Honors Communication Arts 9 or 10

CA208 WORLD LITERATURE AND CULTURAL STUDIES (TRADITIONAL DELIVERY FORMAT)	
GRADE LEVEL	11, 12
CREDITS	1
FEES & SUPPLIES	See supply list on page 75 for Communication Arts courses
DESCRIPTION	<p>All junior/senior level Communication Arts courses begin by developing skills in writing before engaging in course specific content. Juniors will focus on the on-demand ACT style essay, and seniors will focus on effective postsecondary application/scholarship essays.</p> <p>This course focuses on the development and presentation of the student's creative abilities through the exploration of literature, composition, reading, writing and oral communication experiences. This class develops students' ability to comprehend, interpret, evaluate, and write about a variety of literature including but not limited to: Shakespearean, mystery, poetry, and non-fiction.</p>
PREREQUISITES	Communication Art 9 or 10 or Honors Communication Arts 9 or 10

CA235 LITERATURE AND FILM STUDIES	
GRADE LEVEL	11, 12
CREDITS	1
FEES & SUPPLIES	See supply list on page 75 for Communication Arts courses.
DESCRIPTION	<p>Students will gain an understanding of literature through examining and analyzing literature and film adaptations for author/director intent or purpose. Students will use written and oral communication skills to develop and enhance their critical thinking skills. Students will complete a variety of writings and activities that include analysis, argumentation, script creation, and reflection. Some material may address sensitive topics.</p>
PREREQUISITES	Communication Art 9 or 10 or Honors Communication Arts 9 or 10

Communication Arts Course Offerings

CA220 WORLD LITERATURE AND CULTURAL STUDIES (BLENDED-ONLINE FORMAT)	
GRADE LEVEL	12
CREDITS	1
FEES & SUPPLIES	See supply list on page 75 for Communication Arts courses
DESCRIPTION	<p>All senior level Communication Arts courses begin by developing skills in writing before engaging in course-specific content. Seniors will focus on effective post-secondary application/scholarship essays. This course is designed to help each student transition successfully to the increasingly online educational environment experienced in many colleges and universities.</p> <p>Blended instruction combines traditional face-to-face class time with off campus and online delivery of educational content. Students will meet face-to-face two days per week (unless the curricular needs dictate more time), and the rest of the content will be available through online class resources. Students will submit assignments electronically, communicate through email and/or instant chat, and share ideas with classmates through other applications, like discussion boards. Therefore, each student will need a computer with Internet access to complete the class requirements. Students without significant computer and internet availability outside of class should enroll in the traditional delivery format of this course.</p> <p>The class focuses on the development and presentation of the student's creative abilities through the exploration of literature, composition, reading, writing and oral communication experiences. This class develops students' ability to comprehend, interpret, evaluate, and write about a variety of literature including but not limited to: Shakespearean, mystery, poetry, and non-fiction.</p>
PREREQUISITES	<p>Communication Arts 9 (205), Communication Arts 10 (202), Internet and computer accessibility outside of school, and transportation to/from school</p> <p>Note: Limited sections of this class are being offered at this time; therefore, some students may be placed in the traditional, face-to-face version of the same class.</p>

CA218 COLLEGE READING AND WRITING	
GRADE LEVEL	11, 12
CREDITS	1
FEES & SUPPLIES	See supply list on page 75 for Communication Arts courses
DESCRIPTION	<p>All junior/senior level Communication Arts courses begin by developing skills in writing before engaging in course specific content. Juniors will focus on the on-demand ACT style essay, and seniors will focus on effective postsecondary application/scholarship essays.</p> <p>College Reading and Writing is a course for those who plan to attend a college, university, or technical school and want advanced work in analytical writing and reading. Students will review the traditional argumentative essay, and then will begin work on alternative writing forms such as the technical report, business letters and memos, and summary and evaluation. Specific skills such as organizational techniques, methods of documenting research, vocabulary strategies, and analysis of media will also be reinforced. Students will learn reading strategies, public speaking techniques, and study skills that can be applied to their post-secondary education.</p>
PREREQUISITES	Communication Art 9 or 10 or Honors Communication Arts 9 or 10

Communication Arts Course Offerings

CA217 COLLEGE READING AND WRITING (BLENDED-ONLINE FORMAT)	
GRADE LEVEL	12
CREDITS	1
FEES & SUPPLIES	See supply list on page 75 for Communication Arts courses
DESCRIPTION	<p>All senior level Communication Arts courses begin by developing skills in writing before engaging in course-specific content. Seniors will focus on effective post-secondary application/scholarship essays. This course is designed to help each student transition successfully to the increasingly online educational environment experienced in many colleges and universities.</p> <p>Blended instruction combines traditional face-to-face class time with off campus and online delivery of educational content. Students will meet face-to-face two days per week (unless the curricular needs dictate more time), and the rest of the content will be available through online class resources. Students will submit assignments electronically, communicate through email and/or instant chat, and share ideas with classmates through other applications, like discussion boards. Therefore, each student will need a computer with Internet access to complete the class requirements. Students without significant computer and internet availability outside of class should enroll in the traditional delivery format of this course.</p> <p>The class focuses on the development and presentation of the student's creative abilities through the exploration of literature, composition, reading, writing and oral communication experiences. The class develops students' ability to comprehend, interpret, evaluate, and write the following types of literature: Shakespearean, mystery, horror and supernatural, poetry and non-fiction</p>
PREREQUISITES	<p>Communication Arts 9 (205), Communication Arts 10 (202), Internet and computer accessibility outside of school, and transportation to/from school.</p> <p>Note: Limited sections of this class are being offered at this time; therefore, some students may be placed in the traditional, face-to-face version of the same class.</p>

CA238 SPORTS AND MOTIVATIONAL LITERATURE	
GRADE LEVEL	11, 12
CREDITS	1
FEES & SUPPLIES	See supply list on page 75 for Communication Arts courses.
DESCRIPTION	Sports and Motivational Literature will consist of an examination of the connection between sports and society from diverse perspectives. Readings in the course are selected to be high-interest and thought provoking, covering modern fiction, poetry, but will focus primarily on nonfiction, biographies, and commentaries. Students will complete a variety of writings and activities that include analysis, argumentation, creation, and reflection.
PREREQUISITES	Communication Art 9 or 10 or Honors Communication Arts 9 or 10

Communication Arts Course Offerings

CA221	ADVANCED PLACEMENT LANGUAGE AND COMPOSITION
GRADE LEVEL	11, 12
CREDITS	2 (Weighted Grade - 5.0 grading scale)
FEES & SUPPLIES	See supply list on page 75 for Communication Arts courses. It is recommended that students purchase an AP Language and Composition Exam preparation book.
DESCRIPTION	Advanced Placement Language and Composition is designed to hone close reading, cogent writing, and analytical thinking skills. This course prepares students for the Advanced Placement Language and Composition exam in May, which may allow students to earn advanced college status and/or credit.
PREREQUISITES	'B' or higher in previous Communication Arts course and/or consent of AP instructor
ADDITIONAL INFORMATION	<p>NOTE: The first semester satisfies a required English credit, and the second semester is an elective credit.</p> <p>NOTE: Students who will be seniors in the fall AND have taken AP Language and Composition are recommended to take AP Literature and Composition. Students who took another Comm Arts class as a junior may choose to take AP Language and Composition and/or AP Literature and Composition.</p>

CA250	ADVANCED PLACEMENT SEMINAR
GRADE LEVEL	11, 12
CREDITS	2 (Weighted Grade - 5.0 grading scale)
FEES & SUPPLIES	See supply list on page 75 for Communication Arts courses. Students will be required to purchase Barron's AP Literature Preparation books.
DESCRIPTION	AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision to craft and communicate evidence-based arguments. (From AP Seminar Course and Exam Description)
PREREQUISITES	'B' or higher in previous Communication Arts course and/or consent of AP instructor
ADDITIONAL INFORMATION	<p>NOTE: The first semester satisfies a required English credit, and the second semester is an elective credit.</p> <p>NOTE: Students who will be seniors in the fall AND have taken AP Seminar are recommended to take AP Research. Students who took another Comm Arts class as a junior may choose to take AP Seminar with a recommendation from the 11th grade teacher and approval from the AP Seminar teacher.</p>

Communication Arts Course Offerings

CA222 ADVANCED PLACEMENT LITERATURE AND COMPOSITION	
GRADE LEVEL	11, 12
CREDITS	2 (Weighted Grade - 5.0 grading scale)
FEES & SUPPLIES	See supply list on page 75 for Communication Arts courses. Students will be required to purchase Barron's AP Literature Preparation books.
DESCRIPTION	Advanced Placement English is designed to help students hone close reading, clear writing, and analytical thinking. This course prepares students for the Advanced Placement Literature and Composition exam in May, which may allow students to earn advanced college status and/or credit.
PREREQUISITES	'B' or higher in previous Communication Arts course and/or consent of AP instructor
ADDITIONAL INFORMATION	<p>NOTE: The first semester satisfies a required English credit, and the second semester is an elective credit.</p> <p>NOTE: Students who will be seniors in the fall AND have taken AP Language and Composition are recommended to take AP Literature and Composition. Students who took another Com Arts class as a junior may choose to take AP Language and Composition and/or AP Literature and Composition with a recommendation from the 11th grade teacher and approval from the AP teacher.</p>

ADVANCED PLACEMENT RESEARCH (OFFERED IN 2025 - 2026)	
GRADE LEVEL	12
CREDITS	2 (Weighted Grade - 5.0 grading scale)
FEES & SUPPLIES	See supply list on page 75 for Communication Arts courses. Students will be required to purchase Barron's AP Literature Preparation books.
DESCRIPTION	AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000–5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense. (From AP Research Course and Exam Description)
PREREQUISITES	AP Seminar

Communication Arts Elective Course Offerings

CA214	PODCASTING AND MEDIA PRODUCTION
GRADE LEVEL	10, 11, 12
CREDITS	1
FEES & SUPPLIES	Lab Fee \$20 for consumables (video tape, DVDs, batteries, etc.) Folder, loose-leaf paper, pens or pencils, wired headphones and a computer flash drive are also needed.
DESCRIPTION	<p>Media production is the focus of this elective course. The course focuses on digital production skills--the making of material for an on-line media world. No prior technical expertise or experience is required. Media Production/Podcasting emphasizes video production skills, sports broadcast production, radio production skills, and broadcast journalism as well as other interactive media. Students produce a variety of products from sports coverage, interviews, public service announcements, to music radio shows, movie trailers, and news broadcasts. Students also analyze professional productions for content, media ethics, and production style.</p> <p>This class may only be taken once, though additional production experience may be gained by taking Film Production and through Independent Study programs. This course alternates with Film Production.</p>
PREREQUISITES	Communication Art 9 or Communication Arts 9 Honors
ADDITIONAL INFORMATION	NOTE: This course may be taken for elective credit. It does not satisfy the one Communication Arts credit per year requirement for graduation.


CA219	FILM PRODUCTION (OFFERED IN 2025 - 2026)
GRADE LEVEL	9, 10, 11, 12
CREDITS	1
FEES & SUPPLIES	\$20 Lab Fee for consumables. Also needed: folder, loose-leaf paper, pens, or pencils. Personal hard drive and all other equipment provided
DESCRIPTION	<p>Digital and visual storytelling, camera and editing skills, audio reinforcement skills, and documentary and original film production are the emphasis in the Film Production course. No prior technical expertise or experience is required. Students produce a variety of products from music videos and short films (in a variety of genres) to documentaries and public service films. Screenwriting, storyboarding, and project management are also included. Students may also analyze professional productions for content and production style.</p> <p>This class may only be taken once, though additional production experience may be gained by taking Podcasting and Media Production (214) and through Independent Study programs. This course alternates with Podcasting and Media Production.</p>
PREREQUISITES	Communication Art 9 or Communication Arts 9 Honors
ADDITIONAL INFORMATION	NOTE: This course may be taken for elective credit. It does not satisfy the one Communication Arts credit per year requirement for graduation.

FAMILY & CONSUMER SCIENCES

Department Goal

Family & Consumer Sciences is concerned with providing educational opportunities for students to help prepare them for the world of work in family and consumer affairs. A variety of courses, which integrate the academic with the practical, helps students develop career awareness, a work ethic and employability skills while reinforcing the basic skills of reading, writing, computation and oral communication. Special emphasis is placed on the higher-level thinking skills including: problem-solving, evaluation, and inductive and deductive reasoning.


Family & Consumer Sciences Course Offerings

FC303		EARLY CHILDHOOD EDUCATION 1: FOUNDATIONS
GRADE LEVEL	9, 10, 11, 12	
CREDITS	1	
SUPPLIES & FEES	Pens, pencils, 2 highlighters, 2" binder or folder, spiral notebook, and other additional materials necessary to complete classroom projects. Field trip fees as needed.	
DESCRIPTION	Students will explore the foundations of early childhood education (ECE) including, but not limited to, the investigation of education across the world, the history of education and childhood; types of ECE settings; responsibility of ECE professionals; and ECE curriculum models. This course may offer 3 college credits under the course title: Foundations of Early Childhood Education.	
PREREQUISITES	None	
ADDITIONAL INFORMATION	 WAUKESHA COUNTY TECHNICAL COLLEGE Articulated course: This is a transcribed course with WCTC. After successful completion, the credits earned may be transferred to the following colleges: Stout, Stevens Point, Green Bay, Oshkosh, or any Wisconsin Technical College.	


FC302		EARLY CHILDHOOD EDUCATION 2: CAREERS/ASSISTANT CHILDCARE
GRADE LEVEL	11, 12 (or turning 17 during the semester the class is offered)	
CREDITS	1	
SUPPLIES & FEES	Fees & Supplies: \$12 Lab Fee (\$7 for Play Group t-shirt and \$5 for various materials used for Play Group). Pens, pencils, 2 highlighters, 2" binder for final portfolio, folder, spiral notebook, and other additional materials necessary to complete classroom projects. Field trip fees as needed.	
DESCRIPTION	This course consists of 10 weeks of instruction and 8 weeks of Play Group. After successfully completing this course students will obtain the Assistant Child Care Teacher (ACCT) Certificate through the Department of Public Instruction. The ACCT Certificate permits students to work in a childcare facility as an assistant teacher at 17 years of age. Students must complete 10 hours of observations in a licensed childcare facility outside of school hours to fulfill DPI's requirements.	
PREREQUISITES	Successful completion of Early Childhood Education (303)	


Family & Consumer Sciences Course Offerings

FC306		EARLY CHILDHOOD EDUCATION 3: CO-OP
GRADE LEVEL	12	
CREDITS	1 or 2	
SUPPLIES & FEES	Appropriate work attire.	
DESCRIPTION	<p>This Co-op enables students to work at a licensed childcare facility for high school credit. After working 480 hours and meeting DPI's requirements, students will obtain the Child Care Teacher (CCT) Certificate through the Department of Public Instruction (DPI). The CCT Certificate permits students to work in a childcare facility as a lead teacher. Students could be released early in the school day and must work at their designated place of employment for the entire semester. Students must successfully complete the application process, secure a job, and work every week for the duration of the semester. All students interested must have the instructor email their student services counselor.</p>	
PREREQUISITES	Students must have their ACCT certificate through DPI (earned in the Early Childhood Careers class) and consent of instructor	
ADDITIONAL INFORMATION	Note: Students must provide their own transportation to the job site.	

FC304		CHILD DEVELOPMENT
GRADE LEVEL	9, 10, 11, 12	
CREDITS	1	
SUPPLIES & FEES	Pens, pencils, 2 highlighters, 2" binder or folder, spiral notebook, and other additional materials necessary to complete classroom projects. Field trip fees as needed.	
DESCRIPTION	<p>Students will examine typical and atypical child development from conception through adolescence. Students will analyze social, cultural and economic influences on child development and explore the role of heredity versus the environment. This course may offer 3 college credits under the course title: Childhood Development.</p>	
PREREQUISITES	None	
ADDITIONAL INFORMATION	<div>  <div> WAUKESHA COUNTY TECHNICAL COLLEGE </div> </div> <p>Articulated course: This is a transcribed course with WCTC. After successful completion, the credits earned may be transferred to the following colleges: Stout, Stevens Point, Green Bay, Oshkosh, or any Wisconsin Technical College.</p>	

Family & Consumer Sciences Course Offerings

FC301 MEDICAL TERMINOLOGY	
GRADE LEVEL	10, 11, 12
CREDITS	1
SUPPLIES & FEES	\$40 textbook fee for access to electronic textbook from WCTC, field trip fees as needed, a 2" binder, and a lined notebook.
DESCRIPTION	This course provides students who are interested in medical and science careers the opportunity to learn terminology necessary in all areas of the medical field. Students will learn to spell, pronounce, and define common medical terminology, abbreviations, and the component parts of medical terms: prefixes, suffixes, and word roots. Students will practice formation, analysis, and reconstruction of terms. An introduction to operative, diagnostic, therapeutic, and symptomatic terminology of body systems, as well as systemic and surgical terminology, is covered.
PREREQUISITES	Culture of Healthcare recommended OR instructor consent (312) (Biology recommended)
ADDITIONAL INFORMATION	 WAUKESHA COUNTY TECHNICAL COLLEGE Articulated course: This is a transcribed course with WCTC.

FC312 CONTEMPORARY HEALTHCARE PRACTICES	
GRADE LEVEL	9, 10, 11, 12
CREDITS	1
SUPPLIES & FEES	Field trip fees as needed and a 1 ½" binder.
DESCRIPTION	<i>Formerly known as "Culture of Healthcare".</i> An introduction to the culture of healthcare for students interested in working in various healthcare settings. Learners examine professionalism, interpersonal and written communication skills, problem-solving skills, and patient privacy and confidentiality issues as they relate to healthcare. Learners will examine content and uses of health records while examining medical ethics and patient rights in relation to patient privacy and confidentiality issues.
PREREQUISITES	None
ADDITIONAL INFORMATION	 WAUKESHA COUNTY TECHNICAL COLLEGE Articulated course: This is a transcribed course with WCTC.

Family & Consumer Sciences Course Offerings

FC300	INTRODUCTION TO HEALTHCARE PROFESSIONS
GRADE LEVEL	9, 10, 11, 12
CREDITS	1
SUPPLIES & FEES	Field trip fees as needed and a 1 ½" binder
DESCRIPTION	This course introduces the field of healthcare, its institutions, financing and current topics in healthcare. It also investigates a variety of healthcare careers and their interaction with each other. Students will investigate the educational requirements, current employment trends, and necessary personal characteristics of each health science career. Students are introduced to ethical, legal and safety considerations in healthcare. This class helps students interested in working in the healthcare field to make a more informed choice of a program suited to their needs and interests.
PREREQUISITES	None

FC311	HEALTH YOUTH APPRENTICESHIP
GRADE LEVEL	11, 12
CREDITS	2
SUPPLIES & FEES	None
DESCRIPTION	Health Youth Apprenticeship is a one or two year state certified program. It combines academic education with occupational instruction and work-based learning. State mandated competencies must be met in the classroom and at the work site. An onsite teaching mentor is required for all work experiences. Students may apply for the program their sophomore or junior year, to begin either their junior or senior year. Applications are available from the Extended Learning Opportunities Coordinator. The application process also includes an interview with the Extended Learning Opportunities Coordinator as
PREREQUISITES	None
ADDITIONAL INFORMATION	<p>NOTE: Students must provide their own transportation to their work sites.</p> <p>NOTE: Students who wish to be a YA student in the Nurse Assisting track must successfully complete a CNA course and become certified. Students who wish to work in the Pharmacy Technician track will need to obtain a job at a pharmacy and complete the coursework required for the job.</p>

EXPAND YOUR EDUCATION BEYOND THE CLASSROOM!

The HOSA is a global student-led organization recognized by the U.S. Department of Education and the Department of Health and Human Services and several federal and state agencies. HOSA's mission is to empower HOSA-Future Health Professionals to become leaders in the global health community, through education, collaboration, and experience. HOSA actively promotes career opportunities in the health industry and to enhance the delivery of quality health care to all people. HOSA's goal is to encourage all health science instructors and students to affiliate and be actively involved in the HSE-HOSA Partnership.



FITNESS EDUCATION

Overview

- All students are required to pass both Personal Fitness Grade 9 and Fitness/Health Grade 10 to fulfill graduation requirements in Fitness Education and Health. This would fulfill the 1 ½ credit state mandated requirement for Fitness Education and the ½ credit state-mandated Health requirement.
- For **failures** in **any required** courses, the student must **repeat** the course.
- Grade 11 and Grade 12 Elective courses in Fitness Education **will not** be allowed to fulfill Fitness Education graduation requirements.
- Transfer students must assume responsibility to meet with Guidance counselors for a credit check and approve course registration.
- **Uniform:** Students will be required to have appropriate attire. The student may wear a t-shirt and jogging type shorts with gym shoes and white socks. Sweat suits are suggested for cool weather days. No cut-offs or any clothing with buttons, zippers, etc. is to be worn..
- **Lock:** A school purchased series Master lock (black dial) is required. The lock may be purchased from Templeton or Hamilton at a cost of \$6.00.

Fitness Education Course Offerings

FE409		PERSONAL FITNESS 9
GRADE LEVEL	9	
CREDITS	1	
COURSE FEES	\$15 field trip fee. Students will be required to have a three-ring binder (1½ inches in width).	
DESCRIPTION	This course is designed to develop an individual’s optimum level of physical fitness, and to help them acquire knowledge of physical fitness concepts and understand the significance of lifestyle on one’s health and fitness. Successful completion of this course will fulfill 1 credit of the state-mandated fitness education requirement.	
PREREQUISITES	None	

FE402		FITNESS/HEALTH 10
GRADE LEVEL	10	
CREDITS	1	
COURSE FEES	\$15 fee covers CPR certification and masks. Students will become certified in adult, child, and infant CPR and automated external defibrillator (AED) through the American Heart Association	
DESCRIPTION	This course is designed to develop students’ attitudes, habits, and skills involving their personal, family, and community health so that they can make intelligent decisions regarding their health-enhancing behaviors and quality of life. Successful completion of this course will fulfill: ½ credit of the state-mandated Fitness Education requirement and ½ credit of the health requirement. No Fitness Education courses may be taken until both the Personal Fitness 9 and Fitness/Health 10 courses have been passed.	
PREREQUISITES	Personal Fitness 9	

Fitness Education Course Offerings

FE417	HEALTH 10 ALTERNATIVE
GRADE LEVEL	10
CREDITS	.5
COURSE FEES	None
DESCRIPTION	<p>Fitness 10 consists of a half credit of health and half credit of fitness education. **Incoming sophomore students who successfully completed an entire season in a WIAA high school sanctioned activity including HHS Poms and Cheerleading during their freshman year are eligible to receive .5 credit of fitness education, but only if they enroll in a Social Studies, Communication Arts, Science or Math class for .5 credit the following school year. Students earn the .5 credit of fitness education by participating in a half credit of required health curriculum during a 6-week summer school course through the Hamilton School District, prior to the sophomore year.</p>
PREREQUISITES	Personal Fitness 9 (409) & completion of an HHS WIAA sanctioned activity during freshman year including HHS Poms and Cheerleading
ADDITIONAL INFORMATION	<p>The summer health course is capped at 60 students. Students must sign up for this option during scheduling in February. Summer school dates are released in April and will be shared with students and parents at that time.</p> <p>NOTE: Attendance is mandatory. A maximum of two absences are permitted in the summer, no exceptions.</p>

FE406	MODIFIED FITNESS/HEALTH
GRADE LEVEL	9, 10, 11, 12
CREDITS	1
COURSE FEES	None
DESCRIPTION	<p>This class is designed for students who have special needs due to cognitive or physical disabilities. The class will be geared to meet each student's needs. Students may be recommended by the Fitness Education staff or a physician.</p>
PREREQUISITES	Only through recommendation
ADDITIONAL INFORMATION	<p>NOTE: This course may fulfill a requirement for Fitness Education and Health needed for graduation.</p>

Fitness Education Course Offerings

FE404 INDIVIDUAL/DUAL SPORTS (OFFERED IN 2025 - 2026)	
GRADE LEVEL	11, 12
CREDITS	1
COURSE FEES	\$50.00 field trip fee, appropriate workout clothes, pen/pencil, and notebook
DESCRIPTION	The students will have opportunities to develop proficiency in movement forms through fine tuning skill development and strategies effective in individual and dual performer success. Individual and dual sports likely to be taught are: tennis, badminton, archery, pickleball, disc golf, table tennis, one-wall handball, and golf. Those who successfully complete this course should be able to compete in a recreational setting and serve life-long activity needs. No elective Fitness Education courses may be taken until both the Personal Fitness 9 and Fitness/Health 10 courses have been passed.
PREREQUISITES	None

FE416 LIFETIME FITNESS (OFFERED IN 2025 - 2026)	
GRADE LEVEL	11, 12
CREDITS	1
COURSE FEES	Appropriate workout clothes, pen/pencil, and notebook
DESCRIPTION	Lifetime Fitness will allow students to explore and compare options available to them outside of the school setting. Students will experience workouts that are found in various settings within today's society and focus on which outside sources best meet their needs. In addition, students will look at nutritional needs, and how to make good choices with what is available to them.
PREREQUISITES	Personal Fitness 9 (409) and Fitness/Health 10 (402)

FE420/421 PERFORMANCE CONDITIONING 3 OR 4 (OFFERED IN 2025 - 2026)	
GRADE LEVEL	11, 12
CREDITS	1 or 2
COURSE FEES	Appropriate workout clothes, pen/pencil, and notebook
DESCRIPTION	This course is designed to increase performance in all aspects of fitness. Students will be exposed to a variety of methods to improve all aspects of their overall health. Students will increase muscle strength and endurance, flexibility, speed, agility, and core strength. In addition, this course will promote and improve a student's nutritional and leadership abilities. Students will have a prescribed balance throughout the curriculum between exercise patterns, nutrition, and leadership skills.
PREREQUISITES	Personal Fitness 9 (409) and Fitness/Health 10 (402)
ADDITIONAL INFORMATION	NOTE: When registering for 1 credit, the student will take the class for 1 semester. When registering for 2 credits, the student will take the class for the full year (2 semesters).

Fitness Education Course Offerings

FE411	TEAM SPORTS
GRADE LEVEL	11, 12
CREDITS	1
COURSE FEES	None
DESCRIPTION	The students will have opportunities to develop proficiency in movement forms through fine tuning skill development and strategies effective in individual and team success. Ongoing fitness assessments and goal setting will ensure students demonstrate the link between physical activity and health-related fitness. Those who successfully complete the course should be able to compete in recreational or competitive local leagues and serve life-long activity needs.
PREREQUISITES	Personal Fitness 9 (409) and Fitness/Health 10 (402)

FE414	FITNESS FUSION
GRADE LEVEL	11, 12
CREDITS	1
COURSE FEES	None
DESCRIPTION	This course will focus on the individual who wants to achieve health and wellness but does not want to exercise in the competitive nature of team sports or individual/dual sports. Students will receive a complete workout and balance the physical workout with proper nutrition. Students will leave with a better understanding of how to manage their fitness within busy lifestyles.
PREREQUISITES	Personal Fitness 9 (409) and Fitness/Health 10 (402)

FE418/419	PERFORMANCE CONDITIONING 1 OR 2
GRADE LEVEL	11, 12
CREDITS	1 or 2
COURSE FEES	None
DESCRIPTION	This course is designed to increase performance in all aspects of fitness. Students will be exposed to a variety of methods to improve all aspects of their overall health. Students will increase muscle strength and endurance, flexibility, speed, agility, and core strength. In addition, this course will promote and improve a student's nutritional and leadership abilities. Students will have a prescribed balance throughout the curriculum between exercise patterns, nutrition, and leadership skills.
PREREQUISITES	Personal Fitness 9 (409) and Fitness/Health 10 (402)
ADDITIONAL INFORMATION	NOTE: When registering for 1 credit, the student will take the class for 1 semester. When registering for 2 credits, the student will take the class for the full year (2 semesters).

INTEGRATED STUDIES

Overview

Students desiring a placement must secure and complete an application **prior to registering** for this class. Students must also sign a volunteer letter of understanding and complete a successful background check prior to placement. No placements will be made without these forms.

- Students may only seek one (1) Academic Assistant placement for the school year.
- Students are **not allowed** to add an academic assistant placement after the school year has begun.
- All placements will be made from those registering in the spring of the previous school year.

Integrated Studies Course Offerings

9000 ACADEMIC TEACHING ASSISTANT	
GRADE LEVEL	12
CREDITS	1
FEES & SUPPLIES	None
DESCRIPTION	This course provides the opportunity for students to gain first-hand knowledge and experience about teaching as a career as well as similar professions which rely heavily on strong leadership, organization, communication, problem solving and time-management skills. Upon approval from the Alternative Programs Coordinator, the student will be assigned to a mentor teacher based upon GPA and scheduling implications. During the semester, students will report daily to their mentor's classroom to assist in a myriad of teaching duties but also complete a required curriculum as prescribed, monitored and assessed by the Alternative Programs Coordinator. The student is expected to balance the responsibilities between the mentor and the Program supervisor well, both of which maintain exceedingly high standards. This course may qualify as "previous experience" when applying for entrance to a teacher education program. Placements are available at the elementary, middle, and high school level. The high school placements now include the areas of Applied Engineering and Technology, Art, Business Education, Communication Arts, Family and Consumer Sciences, Fitness Education, Guidance, Mathematics, Music, Science, Social Studies, Special Education, Technology Integration and World Languages.
PREREQUISITES	3.0 GPA and Signature of Alternative Program Coordinator, Completion of the Volunteer Letter of Understanding, and a Successful Background Check

MATHEMATICS

Overview

It is the belief of the HHS Mathematics department that all students planning to pursue a post-secondary education should earn at least four credits in math—taking at least one class each year. Because concepts can be forgotten when not practiced, it is highly advisable for students to complete a mathematics course yearly. Standardized tests (PreACT – grades 9 and 10, ACT – grade 11) as well as college placement tests (Spring – grade 12) make it critical for students to study mathematics. Because Advanced Algebra content is included on the ACT, it is recommended that students complete Advanced Algebra before taking the ACT.

When selecting courses at HHS, students are encouraged to consider not only their career goals, but also their aptitude for and interest in mathematics. To that end, it is wise to plan a schedule that maximizes options, rather than one that closes doors.

The Math Department believes that success in advanced courses is predicated on the success in previous courses and students should earn a “C” or better in previous courses unless prerequisite is set at a higher level.

Listed below are some possible paths that students considering a post-secondary education could pursue. Students may consider other options as their post-secondary goals change. (The number of credits earned is indicated in parentheses.)

GRADE 9	GRADE 10	GRADE 11	GRADE 12
<ul style="list-style-type: none">Algebra (1)	<ul style="list-style-type: none">Geometry (1)	<ul style="list-style-type: none">Advanced Algebra (1) orAdvanced Algebra & Advanced Topics in Mathematics (2)	One of the following: <ul style="list-style-type: none">Pre-Calculus I & AP Statistics (3)Pre-Calculus I & Pre-Calculus II (2)AP Statistics (2)Pre-Calculus I (1)Advanced Topics in Mathematics (1)
<ul style="list-style-type: none">Geometry (1) orAlgebra & Geometry (2)	<ul style="list-style-type: none">Advanced Algebra (1)*	<ul style="list-style-type: none">Pre-Calculus I & Pre-Calculus II (2)*	<ul style="list-style-type: none">AP Calculus (2)*
<ul style="list-style-type: none">Algebra (1) orAlgebra A & B (2)	<ul style="list-style-type: none">Geometry (1) orPrinciples of Geometry (1)	<ul style="list-style-type: none">Intermediate Algebra & Advanced Algebra (2)	One of the following: <ul style="list-style-type: none">Advanced Topics in Mathematics (1)Math & Logic (1)Math with Business Applications (1)
<ul style="list-style-type: none">Algebra (1) orAlgebra A & B (2)	<ul style="list-style-type: none">Geometry (1) orPrinciples of Geometry (1)	<ul style="list-style-type: none">Intermediate Algebra (1) orMath with Business Applications (1)	One of the following: <ul style="list-style-type: none">Advanced Algebra (1)Math & Logic (1)

****It is recommended that students consider taking AP Statistics (2 credits) concurrently with one of these courses.***

Mathematics Course Offerings

MA505	ALGEBRA
GRADE LEVEL	9, 10, 11, 12
CREDITS	1
FEES & SUPPLIES	Binder, book cover, pencil, paper, and TI-83 Plus or TI-84 calculator.
DESCRIPTION	Students will extend their proficiency in the use of their mathematical skills and be introduced to the language of algebra. This course will help them learn about the many applications of algebra in the real world. Successful completion of Algebra is required by all students and prepares them for the next level course, Geometry.
PREREQUISITES	'C-' or better in previous math course or previous math teacher recommendation
ADDITIONAL INFORMATION	Algebra is required to graduate

MA506	ALGEBRA A
GRADE LEVEL	9, 10, 11, 12
CREDITS	1
FEES & SUPPLIES	Binder, book cover, pencil, paper, and TI-83 Plus or TI-84 calculator.
DESCRIPTION	Algebra A & B is a two-semester course developed to address the needs of students with deficiencies in algebra readiness skills. Students will extend their proficiency in the use of their mathematical skills and will be introduced into the language of algebra. The pace of these courses will help the student learn about the many applications of algebra in the real world. Successful completion of Algebra A & B is the equivalent of Algebra – which is a prerequisite for Geometry or Geometry Concepts. Algebra A is a prerequisite for Algebra B. It is recommended that these courses be taken in consecutive semesters.
PREREQUISITES	None
ADDITIONAL INFORMATION	Algebra A (506) and Algebra B (507) combined are equivalent to Algebra (505), which then meets the graduation requirement.

MA507	ALGEBRA B
GRADE LEVEL	9, 10, 11, 12
CREDITS	1
FEES & SUPPLIES	Binder, book cover, pencil, paper, and TI-83 Plus or TI-84 calculator.
DESCRIPTION	Algebra A & B is a two-semester course developed to address the needs of students with deficiencies in algebra readiness skills. Students will extend their proficiency in the use of their mathematical skills and will be introduced into the language of algebra. The pace of these courses will help the student learn about the many applications of algebra in the real world. Successful completion of Algebra A & B is the equivalent of Algebra – which is a prerequisite for Geometry or Principles of Geometry. Algebra A is a prerequisite for Algebra B. It is recommended that these courses be taken in consecutive semesters.
PREREQUISITES	None
ADDITIONAL INFORMATION	Algebra A (506) and Algebra B (507) combined are equivalent to Algebra (505), which then meets the graduation requirement.

Mathematics Course Offerings

MA518		GEOMETRY
GRADE LEVEL	9, 10, 11, 12	
CREDITS	1	
FEES & SUPPLIES	Binder, book cover, pencil, protractor, paper & TI-83 Plus or TI-84 calculator.	
DESCRIPTION	Students will develop skills for drawing, measurement, and visualization of two and three-dimensional figures. Previously learned algebra skills are integrated throughout the course. This course is the second level in preparation for the ACT test readiness for college.	
PREREQUISITES	Algebra (505) or Algebra A (506) & Algebra B (507)	
ADDITIONAL INFORMATION	Either Geometry or Principles of Geometry (521) is required to graduate.	

MA521		PRINCIPLES OF GEOMETRY
GRADE LEVEL	10, 11, 12	
CREDITS	1	
FEES & SUPPLIES	Binder, book cover, pencil, protractor, paper, and a scientific calculator (must have sin, cos and tan keys)	
DESCRIPTION	Students will develop skills for drawing, measurement, and visualization of two and three-dimensional figures. Previously learned algebra skills are integrated throughout the course.	
PREREQUISITES	Algebra (505) & teacher recommendation or Algebra A (506) & Algebra B (507) & teacher recommendation	
ADDITIONAL INFORMATION	Students may continue to use their graphing calculator from Algebra instead of purchasing a scientific calculator. Either Geometry or Principles of Geometry (521) is required to graduate. Students must take Intermediate Algebra or Business Math before any other advanced math course.	

MA523		INTERMEDIATE ALGEBRA
GRADE LEVEL	10, 11, 12	
CREDITS	1	
FEES & SUPPLIES	Binder, book cover, pencil, paper, and TI-83 Plus or TI-84 calculator.	
DESCRIPTION	This course was developed for students who would like to take an accelerated mathematics course in high school or college. Intermediate Algebra will extend their proficiency in the use of their algebra skill while applying these skills to problem solving. Students earning a C or better in this course can take the next level course which is Advanced Algebra (504).	
PREREQUISITES	Geometry (518) or Principles of Geometry (521) is required to graduate.	
ADDITIONAL INFORMATION	Intermediate Algebra can be used to fulfill graduation requirements.	

Mathematics Course Offerings

MA504 ADVANCED ALGEBRA	
GRADE LEVEL	9, 10, 11, 12
CREDITS	1
FEES & SUPPLIES	Binder, book cover, pencil, paper and TI-83 Plus or TI-84 calculator.
DESCRIPTION	Students will extend their proficiency in the use of their algebra skills while applying these skills to problem solving. This course is the third level in preparation for the ACT test for readiness for college. Successful completion of this course prepares the student for the next level course which is Pre-Calculus I.
PREREQUISITES	'B-' or higher in Algebra (505) and Geometry (518) or 'C-' or higher in Intermediate Algebra (523)

MA524 ADVANCED TOPICS IN MATHEMATICS	
GRADE LEVEL	10, 11, 12
CREDITS	1
FEES & SUPPLIES	Binder, book cover, pencil, paper, and TI-83 Plus or TI-84 calculator.
DESCRIPTION	Students will expand their scope and knowledge of topics in college-level mathematics. This course is designed for students who have successfully completed Advanced Algebra (504) and want an additional math credit. Students may also take Advanced Topics as a preparation for Pre-Calculus I: Functions and Trigonometry (517).
PREREQUISITES	'C-' or higher in Advanced Algebra

MA517 PRE-CALCULUS I: FUNCTIONS AND TRIGONOMETRY	
GRADE LEVEL	10, 11, 12
CREDITS	1
FEES & SUPPLIES	Binder, book cover, pencil, paper, and TI-83 Plus or TI-84 calculator.
DESCRIPTION	The goal of this course is to provide students with the critical-thinking skills and mathematical know-how needed to succeed in college or any endeavor. Students will integrate functions and trigonometry with their previous algebra and geometry mathematical skills as they begin preparing themselves for calculus. Successful completion of this course is required to take the final level course Pre-Calculus II.
PREREQUISITES	'B' or higher in Advanced Algebra (504) or 'C' or higher in Advanced Topics (524)


Mathematics Course Offerings


MA515 PRE-CALCULUS II: DISCRETE MATHEMATICS	
GRADE LEVEL	10, 11, 12
CREDITS	1
FEES & SUPPLIES	Binder, book cover, pencil, paper, and TI-83 Plus or TI-84 calculator.
DESCRIPTION	The final year of a six-year mathematics core curriculum will be studied. The content of this course integrates the major ideas of mathematics for calculus. The successful completion of this course is required for Advanced Placement Calculus.
PREREQUISITES	Pre-Calculus I (517)

MA500 ADVANCED PLACEMENT CALCULUS	
GRADE LEVEL	10, 11, 12
CREDITS	2 (Weighted - 5.0 grading scale)
FEES & SUPPLIES	Binder, book cover, pencil, paper, and TI-83 Plus or TI-84 calculator.
DESCRIPTION	<p>This is a college level beginning Calculus course. It provides students with sufficient background to take the Advanced Placement Examination (AB or BC). Depending upon the score achieved on this examination, students may validate and receive credit for one or more semesters of Calculus in those colleges and universities participating in the Advanced Placement Program.</p> <p>In order to take maximum advantage of preparing to learn the course material, an assignment will be given to students in the spring. It is to their advantage to complete this material over the summer for review at the beginning of the school year. The student will be graded accordingly for knowing & understanding the material.</p>
PREREQUISITES	Pre-Calculus I (517) and Pre-Calculus II (515) or teacher recommendation

MA503 ADVANCED PLACEMENT STATISTICS	
GRADE LEVEL	10, 11, 12
CREDITS	2 (Weighted - 5.0 grading scale)
FEES & SUPPLIES	Binder, pencil, paper, TI-84 or TI-84 Plus calculator, current edition of Barron's AP Statistics.
DESCRIPTION	AP Stats is designed to provide students with opportunities to examine data through both descriptive and inferential means. Theoretical foundations in probability and sampling distributions will extend to discussions covering hypothesis testing, confidence intervals, and experimental design. The Advanced Placement Statistics Exam may allow students to earn advanced status and/or credit at most colleges and universities. As such, students must utilize not only mathematical skills, but also writing skills in order to be successful.
PREREQUISITES	'B' or higher in Advanced Algebra (504) or "B" or higher in Advanced Topics (MA524) or concurrent with Advanced Algebra and teacher recommendation, but Advanced Algebra must be taken in the first semester.

Mathematics Course Offerings

MA513 MATH WITH BUSINESS APPLICATIONS	
GRADE LEVEL	11, 12
CREDITS	1
FEES & SUPPLIES	Binder, pencil, paper, and scientific calculator.
DESCRIPTION	Students will review the fundamental operations of arithmetic so that they will understand the mathematics of the business world. Course topics include simple and compound interest, amortization, annuities, depreciation, insurance, taxes, payroll, and trade.
PREREQUISITES	Geometry (518) or Principles of Geometry (521) or consent of the instructor.
ADDITIONAL INFORMATION	<p>Math with Business Applications can be used to fulfill graduation requirements. This course is not intended for students planning to attend a 4-year college.</p> <div>  <div> Waukesha COUNTY TECHNICAL COLLEGE </div> </div> <p>Articulated course: This is a transcribed course through WCTC.</p>

MA528 MATH AND LOGIC	
GRADE LEVEL	11, 12
CREDITS	1
FEES & SUPPLIES	Binder, pencil, notebook, binder, and scientific calculator. Students will have access to textbook in class, and an e-version of the textbook is available for \$46.99
DESCRIPTION	This WCTC transcribed-credit course is required for all information technology (IT) associate-degree programs including computer support, database, network security, networking, and web/software development. Students will apply mathematical problem-solving techniques to various topics such as symbolic logic, set theory, Boolean algebra, and number bases. Students will also review skills from Algebra and Geometry in preparation for college-placement tests.
PREREQUISITES	Intermediate Alg. (523) or consent of instructor.
ADDITIONAL INFORMATION	<div>  <div> Waukesha COUNTY TECHNICAL COLLEGE </div> </div> <p>Articulated course: This is a transcribed course through WCTC.</p>

MUSIC

Department Goal

The purpose of the high school music program is to provide a variety of opportunities for students to develop a deep appreciation for and refined understanding of music. Opportunities to perform, listen/describe and create will allow students to develop their individual skills and shape positive attitudes to last a lifetime.

In all music courses, the following skills are learned, applied, and reinforced:

- Reading of musical notation
 - Musical interpretation
 - Critical thinking
- Cooperative learning
 - Performance
 - Time management
- Listening
 - Leadership
 - Goal setting
- Creativity
 - Self-assessments
 - Group assessments
 - Performance evaluations

General Music Course Offerings

MU56		GUITAR/MUSIC LAB
GRADE LEVEL	9, 10, 11, 12	
CREDITS	1	
FEES & SUPPLIES	\$30.00 lab fee includes required workbook/text. Acoustic guitars only – no electrics. Guitars must be provided by each student.	
DESCRIPTION	Students will have the opportunity to learn the basics of playing guitar. As the instrumental techniques are studied, basic music theory will be taught. Students will participate in small ensembles when appropriate. Students must provide their own acoustic guitar. This course is only for students with no or very little experience with guitar.	
PREREQUISITES	None	

MU50		ADVANCED GUITAR
GRADE LEVEL	9, 10, 11, 12	
CREDITS	1	
FEES & SUPPLIES	\$30.00 lab fee includes required workbook/text. Acoustic guitars only – no electrics. Guitars must be provided by each student.	
DESCRIPTION	Students will have the opportunity to expand and improve their guitar skills with a focus on classical guitar technique. As the guitar techniques are studied, advanced music theory will be taught. Presentation and exploration of the elements of jazz, position playing, and improvisation will also be addressed. Students may have the opportunity to work with technology to apply the concepts of composition and notation. Students will participate in small ensembles when appropriate. Students must provide their own acoustic guitar.	
PREREQUISITES	B- or higher in Guitar (56) or consent of instructor	

General Music Course Offerings

MU57		PIANO: BEGINNING LEVEL
GRADE LEVEL	9, 10, 11, 12	
CREDITS	1	
FEES & SUPPLIES	\$20.00 workbook/text will be required.	
DESCRIPTION	Beginning Level is designed for the student who has had very little or no previous piano background. Students will learn the fundamentals of piano technique and style on electronic and acoustic instruments. Students will also learn and utilize basic and intermediate level music theory concepts throughout the class.	
PREREQUISITES	None	

MU58		PIANO: ADVANCED LEVEL
GRADE LEVEL	9, 10, 11, 12	
CREDITS	1	
FEES & SUPPLIES	None	
DESCRIPTION	Advanced Level Piano is an independently based course designed for the student who has had previous piano experience. Students must be able to read music on their own to participate in this course. Students will have the opportunity to learn more about piano technique, literature and style on electronic and acoustic instruments. They will also be exposed to further concepts in music theory and music history. As this course is designed for the independent learner, it is essential that the student be highly motivated and responsible for daily work.	
PREREQUISITES	'B-' or higher in Piano: Beginning Level (57) or instructor consent	

Instrumental Music Course Offerings

The following courses are performance groups. Students will be required to dress in a specific manner for performances. Basic clothing needs such as black pants or skirts and white shirts are to be provided by students and are not considered specialized uniform needs. Some ensembles may require additional performance attire.

MU53 SYMPHONIC BAND	
GRADE LEVEL	9, 10, 11, 12
CREDITS	1
FEES & SUPPLIES	This is an ensemble with a required participation fee of approximately \$300 to cover the cost of additional staff, uniform care, competition fees, travel, arrangement licensing, music purchases, and other related costs. This fee is subject to change based on the number of participants and other factors and is collected and administered by the Hamilton School District Band Booster Association. Multiple fundraising opportunities will be available to help students meet the cost requirements, as well as support from Band Boosters on an as-needed basis. Payment plans will be available if needed to spread out the cost over the fall semester.
DESCRIPTION	The Symphonic Band is comprised of 9th, 10th, 11th, and 12th grade students who wish to continue their instrumental music experience. The year begins with participation in the Charger Marching Band, which includes performances in parades, home football games and competitions. After marching season, students will be placed into a concert setting. Students are required to participate in all phases, marching and concerts, even though some activities take place outside of regular school hours. Band fees are administered by the Hamilton School District Band Boosters and will be communicated separately.
PREREQUISITES	Previous Band experience in Middle School or consent of instructor

WIND SYMPHONY**	
GRADE LEVEL	9, 10, 11, 12
CREDITS	1
FEES & SUPPLIES	This is an ensemble with a required participation fee of approximately \$300 to cover the cost of additional staff, uniform care, competition fees, travel, arrangement licensing, music purchases, and other related costs. This fee is subject to change based on the number of participants and other factors and is collected and administered by the Hamilton School District Band Booster Association. Multiple fundraising opportunities will be available to help students meet the cost requirements, as well as support from Band Boosters on an as-needed basis. Payment plans will be available if needed in order to spread out the cost over the fall semester.
DESCRIPTION	The Wind Symphony is the premier instrumental performing ensemble at HHS and is comprised of 9th, 10th, 11th, and 12th grade students who wish to advance their instrumental music experience. Participation is through audition only. The year begins with participation in the Charger Marching Band, which includes performances in parades, at home football games, and competitions. After marching season, students will be placed into a concert setting. Students are required to participate in all phases, marching and concerts, even though some activities take place outside of regular school hours. Band fees are administered by the Hamilton School District Band Boosters and will be communicated separately.
PREREQUISITES	Consent of instructor/Audition

Instrumental Music Course Offerings

JAZZ ENSEMBLE	
GRADE LEVEL	9, 10, 11, 12
CREDITS	1
FEES & SUPPLIES	None
DESCRIPTION	This course is designed for students who are interested in pursuing knowledge and ability in the area of jazz performance. Students will be a part of one of the HHS Jazz Ensembles (will meet outside of the traditional school day, but still for credit), and this class will be a continuation and extension of this activity. Topics covered will be advanced instrumental technique as well as improvisation and jazz history. Open to all students.
PREREQUISITES	Student currently playing a jazz instrument
ADDITIONAL INFORMATION	This class meets after the regular school day. Scheduled rehearsals will be assigned by the teacher.

MU54	PERCUSSION ENSEMBLE
GRADE LEVEL	9, 10, 11, 12
CREDITS	1
FEES & SUPPLIES	The course fee is assessed only to those students who do not already possess their own sticks/mallets/bags, typically first year participants.
DESCRIPTION	The Percussion Ensemble is comprised of 9th, 10th, 11th, and 12th grade students who wish to continue their instrumental music experience with a percussion emphasis. The year begins with participation in the Charger Marching Band, which includes performances in parades, home football games and competitions. This will include working on isolated skills required for the marching arts. After the marching season, students will work on a percussion specific curriculum and be given individualized coaching and feedback as progress is monitored. Students demonstrating appropriate skill development will participate in the Symphonic Band Concerts. Band fees are administered by the Hamilton School District and the Hamilton School District Band Boosters and will be communicated separately.
PREREQUISITES	Previous Band experience in Middle School or consent of instructor

MU80	BASIC/INTERMEDIATE MUSIC THEORY
GRADE LEVEL	9, 10, 11, 12
CREDITS	1
FEES & SUPPLIES	\$30 for class workbook
DESCRIPTION	This course is for students interested in learning music theory but may not have an extensive music background. Topics covered in this class include scales, chords, compositional techniques as well as an introduction to music historical periods and aural skills such as musical dictation and sight-singing. The class will meet either the first half of 3rd block all year or a different block 1st semester. It will meet concurrently with AP Music Theory.
PREREQUISITES	Interest in the Subject and Willingness to Learn

Vocal Music Course Offerings

All vocal students should sign up for Charger Singers (MU70). Students will be assigned to specific classes after the first week of school.

MU70		CHARGER SINGERS
GRADE LEVEL	9, 10, 11, 12	
CREDITS	1	
FEES & SUPPLIES	Polo shirt for performance and travel attire for choir to be purchased at the beginning of the year. If students already have this, they do not need to purchase again. Other fees may apply for trips and vocal festivals. Course fee of \$25 required at beginning of each semester to cover field trips, accompanists, festival fees, and other concert attire repairs/maintenance. Fundraising opportunities available for all students throughout the year.	
DESCRIPTION	The choirs at HHS are designed to help students become lifelong music appreciators, develop voice and skills as independent musicians, develop skills as team members and good citizens, build knowledge of choral literature in a variety of styles, and be part of a positive and memorable musical experience. Students are required to participate in ALL scheduled events, even though some activities take place outside of regular school hours.	
PREREQUISITES	No previous experience required. Open to all interested singers.	

		CHAMBER CHOIR
GRADE LEVEL	10, 11, 12	
CREDITS	1	
FEES & SUPPLIES	Polo shirt for performance and travel attire for choir to be purchased at the beginning of the year. If students already have this, they do not need to purchase again. Basic concert attire for choir to be provided. Course fee of \$25 required at beginning of each semester to cover field trips, accompanists, festival fees, and other concert attire repairs/maintenance. Fundraising opportunities available for all students throughout the year.	
DESCRIPTION	This choir is a mixed (SATB) choir for grades 10-12. The choirs at HHS are designed to help students become life-long music appreciators, develop voice and skills as independent musicians, develop skills as team members and good citizens, build knowledge of choral literature in a variety of styles, and be part of a positive and memorable musical experience. There will be opportunities for student leadership in the form of section leaders and choir officers. Students are required to participate in ALL scheduled events, even though some activities take place outside of regular school hours.	
PREREQUISITES	This is an intermediate/advanced level mixed choir. Previous experience is preferred.	

Vocal Music Course Offerings

MU67A & MU67B		A CAPPELLA CHOIR
GRADE LEVEL	11, 12	
CREDITS	1	
FEES & SUPPLIES	Basic concert attire for this choir consists of a provided concert dress for girls (with girls supplying black nylons and black flat shoes) and a provided shirt, vest, and tie for boys (with boys supplying black dress pants, socks, and shoes). Additional attire options may be discussed in the second semester. Other fees may apply for trips and vocal festivals (see introduction to Music Department).	
DESCRIPTION	This is an advanced, mixed (SATB) choir. The course is designed to help students become lifelong music appreciators, develop vocal skills and musicianship, develop skills as a team member and good citizen, build knowledge of choral literature in a variety of styles, and be part of a positive and memorable musical experience. There will be an emphasis on a cappella music from diverse genres and historical periods, which also include musical theater and popular music. There will be opportunities for student leadership in the form of section leaders in this ensemble. Students are required to participate in ALL scheduled events, including 3-5 caroling events in the month of December, understanding that most activities/performance take place outside of regular school hours.	
PREREQUISITES	This is an advanced level ensemble. Auditioned or instructor approval required	

MU56		SYNERGY SHOW CHOIR
GRADE LEVEL	9, 10, 11, 12	
CREDITS	.5 per semester	
FEES & SUPPLIES	This is an auditioned ensemble with a required participation fee to cover the cost of costuming, competition fees, travel, arrangement licensing, music purchases, and other related costs. This fee is subject to change based on the number of participants and other factors. Fundraising opportunities will be available to help students meet the cost requirements, as well as support from Choir Boosters on an as-needed basis. Payment plans will be available if needed to spread out the cost over the fall semester.	
DESCRIPTION	<p>Show Choir is an auditioned, competitive performance ensemble that combines choral singing with dance movements, sometimes within the context of a specific idea or story. Students gain a unique understanding of a diverse performance genre through rehearsal, performance, and competitive experiences. Students will learn to sing music in diverse styles, performing music from genres like pop, rock, Broadway, and more! Show Choir also provides students an opportunity to develop leadership skills as section leaders and dance captains.</p> <p>This is a 2-semester commitment, with rehearsals during the school day and Thursdays after school from 2:30-5:00 p.m. There is a required five-day summer camp in the summer to learn choreography (usually the last week of July/beginning of August), and a few additional Saturday rehearsals in the fall to prepare for competitions in January and February, and our final show in April. Make-up time for all rehearsal absences is required and will be handled on a case-by-case basis.</p>	
PREREQUISITES	Entrance by audition only (Auditions for 2024-2025 will take place in early May of 2024)	
ADDITIONAL INFORMATION	This class meets after the regular school day. Scheduled rehearsals will be assigned by the teacher.	

PERFORMING ARTS

Department Goal

The purpose of the high school performing arts program is to provide a variety of opportunities for students to develop a deep appreciation for and refined understanding of the various Performing Arts, including but not limited to Theatre. Opportunities to perform, evaluate, and create will allow students to develop their individual skills and shape positive attitudes to last a lifetime.

Performing Arts Course Offerings

PA101		INTRO TO THEATER AND PERFORMANCE
GRADE LEVEL	10, 11, 12	
CREDITS	1	
FEES & SUPPLIES	None	
DESCRIPTION	Introduction to Theater is for the student who is interested in getting a variety of exposure and experiences in different areas of theater. Course content includes ensemble work, partner and solo work, critical reading and thinking in regard to play reading and watching, basic introduction to various methods, and other curricular aspects of foundational theater skills.	
PREREQUISITES	None	

PA102		ADVANCED THEATER AND PERFORMANCE
GRADE LEVEL	9, 10, 11, 12	
CREDITS	1	
FEES & SUPPLIES	None	
DESCRIPTION	Advanced Theater is for the student who is interested in getting a variety of exposure and experiences in different areas of theater at a more in-depth level. Course content includes ensemble work, partner and solo work, critical reading and thinking in regard to play reading and performing, employing various methods of directing, and other curricular aspects of foundational theater skills.	
PREREQUISITES	Intro to Theater and Production	

SCIENCE

Department Goal

The primary goal of the Science Department is to develop scientifically literate students who are capable of rational thought and action. Such students develop the attitudes, process skills, and concepts of science necessary to relate to the world around them. Students will develop an understanding of the fundamental laws of the universe and how these laws apply to both the physical and biological systems.

GRADE 9	GRADE 10	GRADE 11	GRADE 12
Choose at least one	Choose at least one	Choose at least one	Choose at least one
Biology or Honors Biology	Chemistry or Chemistry Honors	Chemistry or Honors Chemistry	Chemistry or Honors Chemistry
	Physics or AP Physics 1	Physics or AP Physics 1, 2 or C	Physics or AP Physics 1, 2 or C
	Physical Science	Physical Science	Physical Science
		AP Chemistry	AP Chemistry
		AP Biology	AP Biology
		Principles of Engineering	Principles of Engineering
		AP Environmental	AP Environmental
		Human Anatomy and Physiology	Human Anatomy and Physiology
		Earth and Space Science	Earth and Space Science

Supply List For Science Courses

- Goggles for certain subjects can be purchased by students at the school store (approx. \$10.00 per pair)
 - Lab notebook for certain subjects can be purchased by students at the school store (approx \$15.00)
- Pens
 - Pencils
 - 3-ring binder with dividers
 - Loose-leaf paper
- Spiral notebook (optional)
 - Scientific calculator
 - Colored pencils

Science Course Offerings

SC606		BIOLOGY
GRADE LEVEL	9	
CREDITS	1	
FEES & SUPPLIES	See class syllabus	
DESCRIPTION	Biology is a course which studies the natural world. In this course, students will extend their proficiency in the science practices and will be challenged to develop scientific thinking, reading, writing, and analysis skills by applying content of the living world. The standards covered include: Structure and Function, Inheritance and Variation of Traits, Matter and Energy in Organisms and Ecosystems, Interdependent Relationships in Ecosystems, and Natural Selection and Evolution.	
PREREQUISITES	None	
ADDITIONAL INFORMATION	Biology or Honors Biology is a requirement to graduate	

SC607		BIOLOGY HONORS
GRADE LEVEL	9	
CREDITS	1	
FEES & SUPPLIES	See class syllabus	
DESCRIPTION	Biology Honors offers a highly rigorous and challenging curriculum; however, not all college-bound students will take this course. The course is designed for students who are capable of and committed to learning more quickly and at a deeper level. The student who takes Biology Honors must possess a keen interest in the science concepts of the natural world and their applications. A wide variety of labs and activities will be used to further deepen their understanding of biology. The standards covered include: Structure and Function, Inheritance and Variation of Traits, Matter and Energy in Organisms and Ecosystems, Interdependent Relationships in Ecosystems, and Natural Selection and Evolution	
PREREQUISITES	Students are identified for participation in honors coursework by a combination of grades in class, standardized test scores and student interest. Students will be notified if they have qualified for grade 9 honors courses.	
ADDITIONAL INFORMATION	Biology or Honors Biology is a requirement to graduate.	

Science Course Offerings

SC623 PHYSICAL SCIENCE	
GRADE LEVEL	10
CREDITS	1
FEES & SUPPLIES	See supply list on page 107 for Science courses. Goggles must be purchased.
DESCRIPTION	This course fulfills the tenth-grade physical science requirement and covers basic concepts each of chemistry and physics. Physical Science students are those who may not feel confident in their math ability or feel they need a 'warm up' for physics and chemistry, as basic concepts in each will be explored. A major component of this course is the use of lab investigations to understand the nature of science and natural phenomena. Students will be completing several investigations per week.
PREREQUISITES	Successful completion of Biology (606) and recommended completion of Algebra (505) or Algebra A (506) and Algebra B (507)

SC609 CHEMISTRY	
GRADE LEVEL	10, 11, 12
CREDITS	1
FEES & SUPPLIES	See supply list on page 107 for Science courses. A lab notebook and goggles must be purchased.
DESCRIPTION	Chemistry is designed for students who plan to attend a college or technical school. It is an excellent course for those curious about chemistry or those in a science-related vocation. The course includes the study of: Math and Measurement in Chemistry, Stoichiometry, Matter and Change, Gas Laws, Atomic Structure and Theory, Acid-Base Theory, Periodic Table, Solutions, Chemical Bonding, Nomenclature, and Mole Concept.
PREREQUISITES	'C-' or higher in both Biology (606) or Biology Honors (607) and Algebra (505) or 'C-' or higher in Physical Science (623)

SC621 ENVIRONMENTAL SCIENCE	
GRADE LEVEL	11, 12
CREDITS	1
FEES & SUPPLIES	See supply list on page 107 for Science courses
DESCRIPTION	Environmental Science is the study of how nature works and also how humans and nature components are interconnected. The class will provide a scientific knowledge base with which students can understand environmental problems, connections, and methods of evaluating possible solutions for creating a sustainable society.
PREREQUISITES	Successful completion of Biology (606) and a physical science course

Science Course Offerings

SC619 CHEMISTRY HONORS	
GRADE LEVEL	10, 11, 12
CREDITS	1
FEES & SUPPLIES	See supply list on page 107 for Science courses. A lab notebook and goggles must be purchased.
DESCRIPTION	As with most sciences, our present understanding of chemistry is rooted in history. Through numerous laboratory experiments and investigations, chemists have “discovered” the laws, theories, and concepts studied in this course. In order to understand chemistry, as well as the nature of science, the student will be provided with opportunities to discover the laws of chemistry in much the same manner as the chemists of the past. Whenever possible, laboratory experiments are used as a lead-in, not a follow-up, to concepts discussed in this class. Honors Chemistry is a quantitative, in-depth course designed for college-bound students, especially those considering a science-related major. Chemistry topics covered are similar to those covered in Regular Chemistry, but in much more depth of theory and more strenuous mathematical expectations. It is highly recommended if planning on taking AP Chemistry.
PREREQUISITES	‘B-’ or higher in both Honors Biology (607) and Algebra (505) ‘B+’ or higher in Regular Biology (606)

SC617 PHYSICS	
GRADE LEVEL	10, 11, 12
CREDITS	1
FEES & SUPPLIES	See supply list on page 107 for Science courses.
DESCRIPTION	Physics provides a detailed study of the natural laws that govern motion on earth and in space. Topics include: Math and measurement in physics, Conservation of Momentum, Linear & projectile motion, Circular Motion , Newton’s Three Laws of Motion, Gravity, Solving problems using vectors, Energy, and Friction.
PREREQUISITES	‘C-’ or higher in Biology (606), Algebra (505), and Geometry (518) or concurrent Geometry (518) and a ‘C-’ or higher in Physical Science (623)

SC604 ADVANCED PLACEMENT PHYSICS 1	
GRADE LEVEL	11, 12 (Semester 1 only)
CREDITS	1 (Weighted grades – 5.0 scale)
FEES & SUPPLIES	\$15 lab fee. See supply list on page 107 for Science courses.
DESCRIPTION	Advanced Placement Physics 1 is a college level, algebra-based introductory physics course. The goal of the course is to provide students with advanced knowledge of the big ideas covered in the first semester of college physics. In depth topics include motion (projectiles), forces, energy, momentum, simple harmonic motion, and rotation. Students should be college-bound, exceptionally motivated, and have a high level of competency in the prerequisite courses. AP physics provides the students with the rigor necessary to take the Advanced Placement examination which may allow students to receive college credit at colleges and universities participating in the Advanced Placement Program. AP physics 1 will be taught as a fall-only semester long class. Principles of engineering (625) is highly recommended to be taken with this class.
PREREQUISITES	‘B’ average or higher in Biology (606) or Biology Honors (607), and Geometry (518),

Science Course Offerings

SC605 ADVANCED PLACEMENT PHYSICS 2	
GRADE LEVEL	11, 12 (Semester 1 only)
CREDITS	1 (Weighted grades – 5.0 scale)
FEES & SUPPLIES	\$15 lab fee. See supply list on page 107 for Science courses.
DESCRIPTION	Advanced Placement Physics 2 is a college level, algebra-based introductory physics course. The goal of the course is to provide students with advanced knowledge of the big ideas covered in the 2nd semester of college physics. In depth topics include electromagnetism, thermodynamics, light, sound, and an introduction to quantum physics. Students should be college-bound, exceptionally motivated, and have a high level of competency in the prerequisite courses. AP physics provides the students with the rigor necessary to take the Advanced Placement examination (AP physics 2), which may allow students to receive college credit at colleges and universities participating in the Advanced Placement Program. AP physics 2 will be taught as a fall-only semester long class. Principles of engineering (625) is highly recommended to be taken with this class.
PREREQUISITES	'B' average or higher in Biology (606) or Biology Honors (607), Geometry (518), and successful completion of physics (617) or AP physics 1 (604)

SC666 ADVANCED PLACEMENT PHYSICS C	
GRADE LEVEL	11, 12
CREDITS	2 (Weighted grades – 5.0 scale)
FEES & SUPPLIES	\$15 lab fee. See supply list on page 107 for Science courses.
DESCRIPTION	Advanced Placement Physics C is a year-long calculus-based physics course that covers two semesters of college level physics. The first semester of the course will focus on classical mechanics and applying calculus routines to physics routines. The second semester of the course will be focused on electricity and magnetism. The course is designed for future engineering or physics majors. Principles of engineering (625) is highly recommended to be taken before this class or concurrent with this class. The AP Physics C course will have two exams in May (one for Mechanics, and one for Electricity/Magnetism) for an opportunity to earn two semesters worth of college physics credits.
PREREQUISITES	Successful completion of AP Calculus OR concurrent with AP Calculus with a B average or higher in past Pre-Calculus classes AND successful completion of Physics OR AP Physics 1.

Science Course Offerings

SC625 PRINCIPLES OF ENGINEERING	
GRADE LEVEL	11, 12
CREDITS	1
FEES & SUPPLIES	\$20.00 lab fee
DESCRIPTION	This STEM course is designated as an advanced introduction to Engineering and uses the application of physics, chemistry, and math to solve problems. It is a team-based course where students work in teams to design solutions to given problems. It provides opportunities for students to link content together and apply it to solve problems. More and more jobs demand advanced skills, requiring that team members be able to learn, reason, think creatively, make decisions, and solve problems. An understanding of science, technology, engineering and math and their methods contribute in an essential way to these skills. Students who complete this course will engage in real world design and learning activities that focus on the engineering process. Students will learn to write technical formal reports for all design projects.
PREREQUISITES	Fundamentals of Engineering (830) and Geometry (518); or concurrent with Physics (617 or 604); or approval of the instructor
ADDITIONAL INFORMATION	NOTE: Credit attainment available: University of Wisconsin – Madison, Gateway Technical College, Milwaukee Area Technical College (MATC) & Arizona State University. Fees will be assessed by credit-issuing institution.

SC625 EARTH AND SPACE SCIENCE	
GRADE LEVEL	11, 12
CREDITS	1
FEES & SUPPLIES	\$15 lab fee. See supply list on page 107 for Science courses.
DESCRIPTION	Earth Science is divided into four major themes: geology (earth history, materials of the earth, and the changing earth), hydrology (study of earth's water), meteorology (the processes that cause weather on earth and weather patterns and weather forecasting), astronomy (the study of the sun, planet earth, moon, rest of the solar system, stars, galaxies, and the universe). Students will participate in direct learning experiences in the laboratory and classroom.
PREREQUISITES	Successful completion of Biology (606) and a physical science course

Science Course Offerings

SC614 HUMAN ANATOMY AND PHYSIOLOGY	
GRADE LEVEL	11, 12
CREDITS	1
FEES & SUPPLIES	\$15.00 lab fee. See supply list on page 107 for Science courses. Also, a 2" three-ring binder and goggles must be purchased at the school store.
DESCRIPTION	Human anatomy and physiology is a course designed for the student who wishes to pursue additional study in human biology. The human body is an incredible machine of great beauty. This course focuses on the structures and functions of the major body systems. It works to show the interrelationships that occur between structure and function.
PREREQUISITES	'C' average or higher in Biology (606) and Chemistry (609) or Chemistry Honors (619)

SC600 ADVANCED PLACEMENT BIOLOGY	
GRADE LEVEL	11, 12
CREDITS	2 (Weighted grades – 5.0 scale)
FEES & SUPPLIES	\$15.00 lab fee. See supply list on page 107 for Science courses. Also, a 2" three-ring binder and goggles must be purchased at the school store.
DESCRIPTION	Advanced Placement Biology is a college level introductory biology course. In-depth coverage of topics include biochemistry, cell biology, genetics, energy transfer, molecular biology, evolution, and ecology. Extensive reading, writing, and laboratory work is emphasized. Students are expected to work outside the classroom. Students should be college-bound, exceptionally motivated, and have a high level of competency in the prerequisite courses. AP Biology provides the students with the rigor necessary to take the Advanced Placement examination which may allow the student to earn college credit at colleges and universities participating in the Advanced Placement Program.
PREREQUISITES	'B' average or higher in Biology (606), Chemistry (609) or 'B' average or higher in Biology Honors (607), Chemistry Honors (619). Also, a 'B' average or higher in Advanced Algebra (504) or consent of Advanced Placement Instructor.

Science Course Offerings

SC626 ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE	
GRADE LEVEL	11, 12 (Semester 1 only)
CREDITS	1 (Weighted grades – 5.0 scale)
FEES & SUPPLIES	\$15.00 lab fee. See supply list on page 107 for Science courses. A lab notebook may be purchased at the school store.
DESCRIPTION	Advanced Placement Environmental Science is a college level introductory Environmental Science course. The goal of the course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and manmade, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. In depth coverage of topics including energy in systems, human population, land use, water, atmosphere, biodiversity, and achieving sustainability.
PREREQUISITES	'B' average or higher in Biology (606) or Biology Honors (607), completion of a physical science course with a 'B' or higher (Physical Science, Chemistry, or Physics), and successful completion of at least one year of algebra. Students will also commit one day of enrichment advisement coursework during spring semester.

SC603 ADVANCED PLACEMENT CHEMISTRY	
GRADE LEVEL	10, 11, 12
CREDITS	2 (Weighted grades – 5.0 scale)
FEES & SUPPLIES	\$15 lab Fee. See supply list on page 107 for Science courses. Goggles must be purchased.
DESCRIPTION	Advanced Placement Chemistry is designed to be the equivalent of the two general chemistry courses usually taken the first year of college. Students should have an in-depth understanding of chemistry fundamentals and competence in dealing with chemical problems. Students are expected to work outside the classroom. Students should be collegebound, exceptionally motivated, and have a high level of competency in the prerequisite courses. AP Chemistry provides the students with the rigor necessary to take the Advanced Placement examination, which may allow the student to receive college credit at colleges and universities participating in the Advanced Placement Program.
PREREQUISITES	'B+' average or higher in Biology (606), Chemistry (609) or 'B' average or higher in Biology Honors (607), Chemistry Honors (619). Also, a 'B' average or higher in Advanced Algebra (504) or consent of Advanced Placement Instructor.

SOCIAL STUDIES

Department Goal

Social studies is the integrated study of economics, geography, history, political science, and the behavioral sciences of psychology, sociology, and anthropology to promote civic competence and participation. These courses provide an important foundation to prepare students to become engaged, informed participants committed to the ideas and values of our democratic republic. Students will develop awareness of the past as it influences the present and guides the future as they hone the skills of inquiry, collaboration, decision-making, and problem-solving.

Hamilton High School students will become civically engaged problem-solvers who critically examine their roles in local, regional, state, national, and global communities. Through the study and application of individual courses of social studies, students become lifelong learners able to collaborate and thrive in our interdependent world.

Overview

Three (3) credits of Social Studies are required for graduation:

World History Credit: Taken **Freshman** year

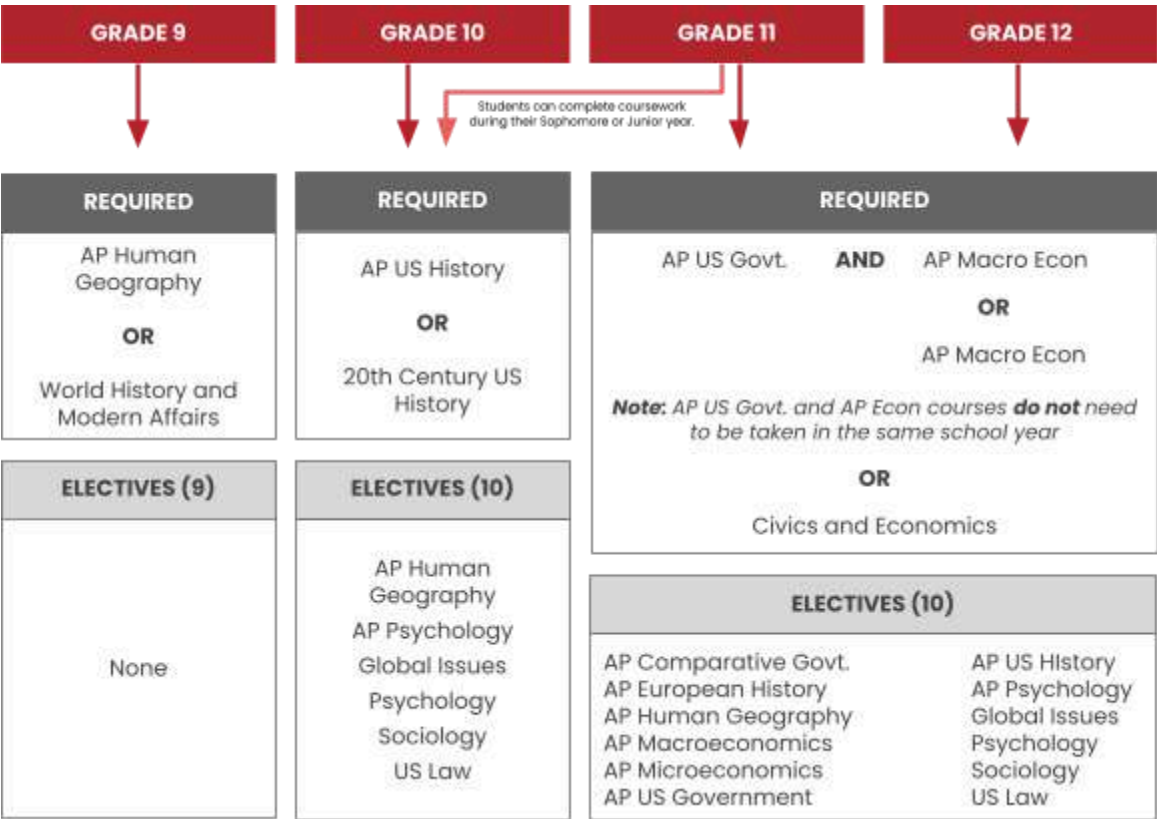
- Met with **either** AP Human Geography **OR** World History & Modern Affairs

US History Credit: Taken **Sophomore or Junior** year

- Met with **either** AP US History **OR** 20th Century US History

Civics & Economics Credit: Taken **Junior or Senior** year

- Met with **either** of the following routes: AP US Government **and** AP Macro Econ **OR** AP Micro Econ **OR** Civics & Economics (Note: AP US Government & AP Econ pairing do not need to be taken in the same year.)



Social Studies Course Offerings

SS727A ADVANCED PLACEMENT HUMAN GEOGRAPHY	
GRADE LEVEL	9, 10, 11, 12 (Fall semester Only)
CREDITS	1 (Weighted grades – 5.0 scale)
FEE & SUPPLIES	None
DESCRIPTION	<p>AP Human Geography is a college prep class for freshmen, sophomores, juniors, and seniors offered during the FALL semester. This course provides students with the opportunity to dive into the AP experience as a freshman, and to begin the development of advanced skills during their first year of high school. AP Human Geography is a one semester course and is developmentally designed for freshmen in high school, although it is open as an elective option for sophomores, juniors, and seniors. AP Human Geography will take the place of an honors-level course at the freshman level and will be encouraged for any student looking to stretch their academic potential and interests beyond on-level curriculum. This course will allow students to explore human interactions with the earth. Not only will students explore human understanding of the earth over time, but also how humans have used, interacted with, and changed the earth over time. Students will become geographers as they learn about the tools and thought processes as professional geographers, giving them an extended scope of our existence on earth. To accomplish this, participants will examine patterns in the following areas: human population, migration, and land use.</p>
PREREQUISITES	None
ADDITIONAL INFORMATION	AP Human Geography fulfills the graduation requirement for the World History credit but can also be taken as an elective.

SS726 WORLD HISTORY AND MODERN AFFAIRS	
GRADE LEVEL	9
CREDITS	1
FEE & SUPPLIES	None
DESCRIPTION	<p>The purpose of the World History and Modern Affairs course is to learn how different and diverse human societies have interacted and evolved into today's global community throughout the modern era. These concepts are presented through a combination of examining important historical themes, gaining relevant factual knowledge, and learning how to apply major historical thinking and analytical skills. Students will use major historical skills such as cause and effect, comparisons among major societies, examining continuity and change over time, periodization, historical interpretation, and argumentation to understand how the world became what it is today.</p> <p>Specific and consistent attention to contacts and interactions between societies and the impact these connections had on the world will be a major concept addressed throughout the course. World History and Modern Affairs will help students understand how to "do history" by learning the steps historians, anthropologists, sociologists, and others would take in analyzing historical evidence and events around the world.</p> <p>Students will explore topics including ancient people, settlement, civilization, culture, religion, the Age of Exploration, globalization, trade, various political/economic/social/ideological structures, the Age of Reason, the Industrial Revolution, human impacts on the environment, the Age of New Imperialism, various wars/conflicts/rebellions, nationalism, and independence movements around the world.</p>
PREREQUISITES	None

Social Studies Course Offerings

SS705		ADVANCED PLACEMENT US HISTORY
GRADE LEVEL	10, 11, 12	
CREDITS	2 (Weighted grades – 5.0 scale)	
FEE & SUPPLIES	None	
DESCRIPTION	<p>In AP US History, students investigate significant events, individuals, developments, and processes in nine historical periods from around 1491 to the present. Students develop and use the same skills and methods used by historians:</p> <ul style="list-style-type: none">• Analyzing primary and secondary sources• Developing historical arguments• Making historical connections• Utilizing reasoning about comparison, causation, and continuity and change. <p>The course also provides eight themes to explore to make connections among historical developments indifferent times and places:</p> <ul style="list-style-type: none">• American and national identity• Work, exchange, and technology• Geography and the environment• Migration and settlement• Politics and power• America in the world• American and regional culture• Social structures <p>AP US History includes what colleges and universities typically expect students to know and be able to do in order to earn college credit or placement. Students practice the thinking skills used by historians by studying primary and secondary source evidence, analyzing a wide array of historical evidence and perspectives, and expressing historical arguments in writing.</p> <p>In the context of American history, the in-depth examination of the ideas and debates in critical documents helps students better understand pivotal moments in America’s history. Through close reading and careful analysis of these documents, students gain insights into the remarkable people, ideas, and events that shaped the nation. Throughout the course, students closely read and analyze foundational documents and other primary and secondary sources to gain historical understanding.</p>	
PREREQUISITES	None	
ADDITIONAL INFORMATION	AP US History fulfills the graduation requirement for the US History credit but can also be taken as an elective.	

Social Studies Course Offerings

SS724 20TH CENTURY US HISTORY	
GRADE LEVEL	10, 11
CREDITS	1
FEE & SUPPLIES	None
DESCRIPTION	<p>Students will engage in an in-depth study of international and domestic issues in recent US history. This study will center around the following time periods: Imperialism, Progressivism, World War I, Twenties, Great Depression, World War II, Cold War, Fifties, Civil Rights Movement, Vietnam, and major conflicts of the Seventies, Eighties, Nineties, and New Millennium (culminating in 9/11).</p> <p>The primary objective of this course is to examine the political, economic, geographic, and social/cultural influences on US history. We will examine how past experiences contribute to current trends in modern America. Students should expect to consider and eventually identify significant historical questions, to analyze primary documents with care and precision, to evaluate alternative arguments, to develop coherent interpretations of historical problems, and to write with clarity, precision, and authority.</p>
PREREQUISITES	None

SS701 ADVANCED PLACEMENT US GOVERNMENT AND POLITICS	
GRADE LEVEL	11, 12 (Fall semester Only)
CREDITS	1 (Weighted grades – 5.0 scale)
FEE & SUPPLIES	None
DESCRIPTION	<p>AP US Government and Politics is a college prep class for juniors and seniors offered during the FALL semester. Students will learn high-level writing, reading, communication and analytical thinking skills that are critical to success in the college classroom.</p> <p>AP US Government is an important step in preparing students for the next step in their education and is recommended for college-bound students. AP US Government is a one-semester, college-level course, designed to prepare the student for the AP examination in May. Because this class reflects a college curriculum, it is more demanding than regular government classes, requiring outside preparation and independent learning.</p> <p>This semester will emulate the academic rigor of a college-level course, including the study of both the general concepts used to interpret US politics and the analysis of current events. Throughout this course, students will examine and analyze the Constitution of the United States, political parties and how citizens vote, interest groups and the mass media, as well as gaining a familiarity with the institutions, processes, beliefs, and policies that constitute US politics. Students will use higher order thinking skills to formulate solid opinions and interpret the various trends throughout politics and our society, and understand the importance of participation in local, state, and national government.</p>
PREREQUISITES	None
ADDITIONAL INFORMATION	AP US Government fulfills the graduation requirement for the "Civics" portion of the Civics & Economics credit but can also be taken as an elective.

Social Studies Course Offerings

SS723B ADVANCED PLACEMENT MACROECONOMICS	
GRADE LEVEL	11, 12 (Spring Semester Only)
CREDITS	1 (Weighted grades – 5.0 scale)
FEE & SUPPLIES	None
DESCRIPTION	<p>AP Macroeconomics is a college prep class for juniors and seniors offered during the spring semester only. Students will learn high-level writing, reading, communication and analytical thinking skills that are critical to success in the college classroom. AP Macroeconomics is an important step in preparing students for the next step in their education and is recommended for college-bound students interested in Political Science and business-related majors such as Accounting, Finance, International Business and Banking.</p> <p>AP Macroeconomics is designed to prepare the student for the AP examination in Macroeconomics. The focus of study will be on national economic performance, price determination, money, banking, financial markets, the Federal Reserve, monetary and fiscal policy and international trade and finance. Because this class reflects a college curriculum, it is more demanding than regular government classes, requiring outside preparation and independent learning.</p>
PREREQUISITES	None
ADDITIONAL INFORMATION	AP Macroeconomics fulfills the graduation requirement for the “Economics” portion of the Civics & Economics credit but can also be taken as an elective.

SS723A ADVANCED PLACEMENT MICROECONOMICS	
GRADE LEVEL	11, 12 (Fall Semester Only)
CREDITS	1 (Weighted grades – 5.0 scale)
FEE & SUPPLIES	None
DESCRIPTION	<p>AP Microeconomics is a college prep class for juniors and seniors offered during the FALL semester. Students will learn high-level writing, reading, communication and analytical thinking skills that are critical to success in the college classroom. AP Microeconomics is an important step in preparing students for the next step in their education and is recommended for college-bound students interested in political science and business-related majors such as Accounting, Finance, International Business, and Banking.</p> <p>AP Microeconomics is designed to prepare the student for the AP examination in Microeconomics. This course provides students with the opportunity to further their understanding of economic functions at the micro level. Microeconomics studies of decisions made by people and businesses regarding the allocation of resources, and prices at which they trade goods and services. It considers taxes, regulations, and government legislation. It focuses on supply and demand and other forces that determine price levels in the economy. Microeconomics tries to understand human choices, decisions, and the allocation of resources.</p>
PREREQUISITES	None
ADDITIONAL INFORMATION	AP Microeconomics fulfills the graduation requirement for the “Economics” portion of the Civics & Economics credit but can also be taken as an elective.

Social Studies Course Offerings

SS711 CIVICS & ECONOMICS	
GRADE LEVEL	11, 12
CREDITS	1
FEE & SUPPLIES	None
DESCRIPTION	<p>In this course, students will explore many integral themes that American government and economics have to offer, while developing and applying critical thinking skills, cooperative learning skills, and writing skills. This course will offer unique opportunities both to prepare students to reach their future goals and to develop the knowledge and perspective that will make them well-rounded and contributing citizens.</p> <p>Students will enhance their knowledge of pressing issues in society, formulate opinions about them, and develop skills in order to become involved members of the political process. For this to happen, students will acquire knowledge of local, state, national, and world governments, so that they may be able to engage in the events, struggles, and relations of today's world, with an understanding of how the present came to be.</p>
PREREQUISITES	None

SS702B ADVANCED PLACEMENT COMPARATIVE GOVERNMENT AND POLITICS	
GRADE LEVEL	11, 12
CREDITS	1 (Weighted grade – 5.0 scale)
FEE & SUPPLIES	11, 12 (spring semester Only)
DESCRIPTION	<p>AP Comparative Government and Politics is a college-prep class for juniors and seniors offered during the spring semester. Students will develop analytical, comparative, research, and high-level writing skills necessary to be successful in a collegiate setting. AP Comparative Government is a great way to build skills necessary for college and assess collegiate readiness with an interesting and fast paced content area focused on culture, geography, economics, history and the politics of six different countries.</p> <p>AP Comparative Government is a one-semester, college-level course, designed to prepare the student for the AP examination in May. Because this class reflects a college curriculum, it is more demanding than regular government classes, requiring outside preparation and independent learning.</p> <p>This semester is designed to provide students with the conceptual tools necessary to develop an understanding and thought-provoking analysis of some of the world's diverse political and economic structures and practices. This semester is designed to provide students with the conceptual tools necessary to succeed in college by developing an understanding of history, culture, diversity, economies, political systems, and current events surrounding the six core countries of this course: Great Britain, Russia, China, Mexico, Iran, and Nigeria.</p> <p>This course is a great way to study world cultures, different governmental systems (like democracy and authoritarianism), analyze economics and the impacts of globalization, and gain an understanding of how nations develop. Students are encouraged to sign up for this course if they are interested in testing the waters of AP or want to prepare themselves more thoroughly for college-level study by further developing their analytical and writing skills.</p>
PREREQUISITES	None

Social Studies Course Offerings

SS722 ADVANCED PLACEMENT EUROPEAN HISTORY	
GRADE LEVEL	11, 12
CREDITS	2 (Weighted grades – 5.0 scale) 1
FEE & SUPPLIES	None
DESCRIPTION	<p>AP European History is a college prep class in which students will learn high-level writing, reading, communication and analytical thinking skills that are critical to success in the college classroom. AP Euro is an important step in preparing students for the next phase in their education and is recommended for college-bound students.</p> <p>AP European History is a comprehensive survey course that looks at the social, political, religious, intellectual, technological, and economic history of modern Europe from the Renaissance/Reformation (1450) to the present. By learning about monarchs and the Medici, Communism and Copernicus, and Voltaire and Van Gogh, students will become adept at discussing, analyzing, and evaluating Western contributions to modern society.</p> <p>Through primary source analysis, consistent essay writing, and familiarization with the context of European history, students will develop the skills and knowledge equivalent to those required by introductory university courses. This preparation allows the student to take the AP European History exam, administered in May by the College Board, and offers an opportunity to earn college credits.</p> <p>Background knowledge of European history is not a prerequisite for enrollment. However, an understanding of the rigor required to pass the AP European History exam is. Due to the depth of content and the level of skills, AP European History is a year-long course that will count as one credit per semester.</p>
PREREQUISITES	None


SS716 PSYCHOLOGY	
GRADE LEVEL	10, 11, 12
CREDITS	1
FEE & SUPPLIES	None
DESCRIPTION	<p>This course will examine the relationship between the various environmental and genetic factors that help determine human behavior. In particular, the course will emphasize the roles that thinking, learning, perception, motivation, emotion, stress, and many other factors play in determining human behavior. In addition, the course will look at the various theories used to explain behavior.</p>
PREREQUISITES	None

Social Studies Course Offerings

SS716A ADVANCED PLACEMENT PSYCHOLOGY	
GRADE LEVEL	9, 10, 11, 12
CREDITS	1 (Weighted grades – 5.0 scale)
FEE & SUPPLIES	10, 11, 12 (fall semester ONLY)
DESCRIPTION	<p>AP Psychology is an introductory college-level psychology course offered only during the FALL semester. Students cultivate their understanding of the systematic and scientific study of human behavior and mental processes through inquiry-based investigations as they explore concepts like the biological bases of behavior, sensation, and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Psychology is important in communication, business, math, science, education, economics, criminal justice, and just about any profession you can think of.</p> <p>Through the course students will employ psychological research methods including considering ethical considerations, evaluating claims and theories, and use the scientific method to investigate and explain human behavior. This course covers a wide range of topics within psychology, and requires a broad understanding of different theories, phenomena, and other concepts aimed to explain human behavior. Students will explore a wide selection of empirical psychological studies and be required to think critically about the results which will prepare them for success on the AP exam in May.</p>
PREREQUISITES	None

SS715 GLOBAL ISSUES AND CURRENT AFFAIRS (BLENDED-ONLINE)	
GRADE LEVEL	10, 11, 12
CREDITS	1
FEE & SUPPLIES	None
DESCRIPTION	<p>Why do nations go to war? Would you be willing to fight and die for your country? What exactly is happening to our global environment and how are nations attempting to deal with pollution and its effects? Why do half of the world's governments choose to torture their own citizens? To what extent do we have a responsibility to help people from hungry, poor regions of the world? How do we balance our role as citizens of the United States with the concept of global citizenship? Global Issues and Current Affairs will give the student an opportunity to research and discuss these important topics as well as many others.</p> <p>This course is designed to help each student transition successfully to the increasingly online educational environment experienced in many colleges and universities.</p> <p>Blended instruction combines traditional face-to-face class time with online delivery of educational content. Students will meet face-to-face two days per week (unless the curricular needs dictate more time), and the rest of the content will be available through Google.</p> <p>Students will submit assignments electronically, communicate through email and/or instant chat, and share ideas with classmates through discussion boards. Therefore, each student will need a computer with Internet access to complete the class requirements.</p>
PREREQUISITES	Internet access available outside of school and transportation to/from school

Social Studies Course Offerings

SS717		SOCIOLOGY
GRADE LEVEL	10, 11, 12	
CREDITS	1	
FEE & SUPPLIES	None	
DESCRIPTION	<p>Will AI take over humanity? Why do some people become criminals? How much influence does social media really have upon us? If you are interested in exploring the answers to these questions, then sociology is for you! Sociology is the study of society. In this course, students come to better understand how societal circumstances influence people's thoughts and actions. Topics covered include conformity, deviance, social class, family, education, minority statuses and the social impacts of technology.</p> <p>This course uses a collegiate 10-point grading scale (for example, a 90% is an A-) and students who earn a C or higher, earn 3 college credits. These credits are banked at Waukesha County Technical College and are transferable to all state universities in Wisconsin. Sociology is a great course for students interested in pursuing careers in criminal justice, law, political science, healthcare, social work, and marketing.</p>	
PREREQUISITES	None	
ADDITIONAL INFORMATION	 Waukesha County Technical College Articulated course: This is a transcribed course through WCTC.	

SS718		UNITED STATES LAW
GRADE LEVEL	10, 11, 12	
CREDITS	1	
FEE & SUPPLIES	None	
DESCRIPTION	<p>Have you ever wondered what makes serial killers tick, whether you can sacrifice an animal as part of a religious ceremony, what rights citizens/police have during investigations, or how law and order has evolved throughout history? Look no further as these are just a few topics we explore throughout the semester in US Law.</p> <p>US Law serves as an introductory course to law, the American legal system, and the role of the judicial branch in the federal government. We will touch on broad and specific legal topics to give students a better understanding of law and how it affects you in real life. We will use group discussion/debate, individual research, case studies, presentations, and mock trials throughout the course to thoroughly explore the topics.</p> <p>We will explore how law, justice, and values are interconnected, how law developed during different historical periods to get us to the present day, the federal Supreme Court, landmark Supreme Court cases related to the Bill of Rights & student rights in public school, criminology, lawsuits, and the trial/appellate court process among other topics. Voicing your opinions and lively discussion are norms in this course, which makes class fun, enriching, and meaningful. Whether you are planning on pursuing law or not, this class makes students aware of essential legal knowledge that is invaluable in life.</p>	
PREREQUISITES	None	

WORLD LANGUAGES

Department Goal

The study of World Languages provides students with experiences in international languages and helps to develop a diverse cultural awareness. It is the belief of the HHS World Languages Department that all students planning to pursue a postsecondary education should earn at least two credits in a foreign language. Because concepts can be forgotten when not practiced, it is highly advisable for students who excel in the language to complete a language course yearly, ending with level V their senior year. When selecting courses at HHS, students are encouraged to consider not only their career goals, but also their aptitude for and interest in languages.

The World Languages Department believes that success in advanced courses is contingent on success in previous courses. Students should earn a "C-" or better and earn a passing grade on the final exam in the previous World Language course or gain instructor consent to enroll in advanced courses.

Native speakers will be assessed by the World Languages Department to determine appropriate placement. If mastery is demonstrated, alternative options will be recommended to the student to enrich their world language learning.

World Languages Course Offerings

WL900		FRENCH I	
GRADE LEVEL	9, 10, 11, 12		
CREDITS	1		
FEES & SUPPLIES	Folder, notebook, colored pencils, felt-tip marker and glue stick		
DESCRIPTION	Students will be introduced to the language and culture of the French speaking world. Students will develop basic communication skills in listening, speaking, reading, and writing on a wide range of topics.		
PREREQUISITES	None		

WL901		FRENCH II	
GRADE LEVEL	10, 11, 12		
CREDITS	1		
FEES & SUPPLIES	Folder, notebook, colored pencils, felt-tip marker, glue stick, and French/English Dictionary		
DESCRIPTION	Students expand their knowledge of the language and culture of the French speaking world. Students will develop basic communication skills in listening, speaking, reading, and writing on a wide range of topics.		
PREREQUISITES	French I (900) or consent of instructor		

World Languages Course Offerings

WL902 FRENCH III	
GRADE LEVEL	10, 11, 12
CREDITS	1
FEES & SUPPLIES	French/English – English/French dictionary, folder, notebook, colored pencils, felt-tip markers and glue stick, Bon Voyage Level III workbook (approx. \$16 at the school store).
DESCRIPTION	Students continue to expand their knowledge of the language and culture of the French speaking world. Students will develop intermediate communication skills in listening, speaking, reading, and writing on a wide range of topics.
PREREQUISITES	French II (901) or Consent of instructor

WL903 FRENCH IV	
GRADE LEVEL	10, 11, 12
CREDITS	1
FEES & SUPPLIES	Students are required to purchase a copy of The Little Prince (approximately \$8).
DESCRIPTION	Students continue to expand their knowledge of the language and culture of the French speaking world. Students will develop intermediate communication skills in listening, speaking, reading, and writing on a wide range of topics. This course could allow the student to earn 12–16 retroactive college credits with the placement exam and course work of a B or better in a college French course.
PREREQUISITES	French III (902) or consent of instructor

WL904 FRENCH V	
GRADE LEVEL	11, 12
CREDITS	1
FEES & SUPPLIES	French/English – English/French dictionary, folder, notebook, colored pencils, felt-tip markers and glue stick
DESCRIPTION	Students experience the language and culture of the French speaking world. Students will develop advanced communication skills in listening, speaking, reading, and writing on a wide range of topics. This course could allow the student to earn 12–16 retroactive college credits with the placement exam and course work of a B or better in a college French course.
PREREQUISITES	French IV (903) or consent of instructor

World Languages Course Offerings

WL905		GERMAN I
GRADE LEVEL	9, 10, 11, 12	
CREDITS	1	
FEES & SUPPLIES	3-ring binder or folder, notebook or loose-leaf paper and writing utensils.	
DESCRIPTION	Students will be introduced to the language and culture of the German speaking world. Students will develop basic communication skills in listening, speaking, reading, and writing on a wide range of topics.	
PREREQUISITES	None	

WL906		GERMAN II
GRADE LEVEL	9, 10, 11, 12	
CREDITS	1	
FEES & SUPPLIES	3-ring binder or folder, notebook or loose-leaf paper and writing utensils.	
DESCRIPTION	Description: Students expand their knowledge of the language and culture of the German speaking world. Students will develop basic communication skills in listening, speaking, reading, and writing on a wide range of topics.	
PREREQUISITES	German I (905) or consent of instructor	

WL907		GERMAN III
GRADE LEVEL	9, 10, 11, 12	
CREDITS	1	
FEES & SUPPLIES	3-ring binder or folder, notebook or loose-leaf paper and writing utensils.	
DESCRIPTION	Students continue to expand their knowledge of the language and culture of the German speaking world. Students will develop intermediate communication skills in listening, speaking, reading, and writing on a wide range of topics.	
PREREQUISITES	German II (906) or consent of instructor	

World Languages Course Offerings

WL908 GERMAN IV	
GRADE LEVEL	10, 11, 12
CREDITS	1
FEES & SUPPLIES	3-ring binder or folder, notebook or loose-leaf paper and writing utensils.
DESCRIPTION	Students continue to expand their knowledge of the language and culture of the German speaking world. Students will develop intermediate communication skills in listening, speaking, reading, and writing on a wide range of topics. This course could allow the student to earn 12–16 retroactive college credits with the placement exam and course work of a B or better in a college German course.
PREREQUISITES	German III (907) or consent of instructor

WL909 GERMAN V	
GRADE LEVEL	11, 12
CREDITS	1
FEES & SUPPLIES	3-ring binder or folder, notebook or loose-leaf paper and writing utensils.
DESCRIPTION	Students experience the language and culture of the German speaking world. Students will develop advanced communication skills in listening, speaking, reading, and writing on a wide range of topics. This course could allow the student to earn 12–16 retroactive college credits with the placement exam and course work of a B or better in a college German course.
PREREQUISITES	German IV (908) or consent of instructor

WL910 SPANISH I	
GRADE LEVEL	9, 10, 11, 12
CREDITS	1
FEES & SUPPLIES	3-ring binder, notebook, or loose-leaf paper, four tab-dividers, 2 dry erase markers.
DESCRIPTION	Students will be introduced to the language and culture of the Spanish speaking world. Students will develop basic communication skills in listening, speaking, reading, and writing on a wide range of topics.
PREREQUISITES	None

World Languages Course Offerings

WL911		SPANISH II
GRADE LEVEL	9, 10, 11, 12	
CREDITS	1	
FEES & SUPPLIES	3-ring binder, notebook, or loose-leaf paper, two dry erase markers.	
DESCRIPTION	Students expand their knowledge of the language and culture of the Spanish speaking world. Students will develop basic communication skills in listening, speaking, reading, and writing on a wide range of topics.	
PREREQUISITES	Spanish I (910) or consent of instructor	

WL912		SPANISH III
GRADE LEVEL	10, 11, 12	
CREDITS	1	
FEES & SUPPLIES	3-ring binder, notebook or loose-leaf paper, highlighters.	
DESCRIPTION	Students continue to expand their knowledge of the language and culture of the Spanish speaking world. Students will develop intermediate communication skills in listening, speaking, reading and writing on a wide range of topics.	
PREREQUISITES	Spanish II (911) or consent of instructor	

WL913		SPANISH IV
GRADE LEVEL	10, 11, 12	
CREDITS	1	
FEES & SUPPLIES	3-ring binder, notebook, or loose-leaf paper	
DESCRIPTION	Students continue to expand their knowledge of the language and culture of the Spanish speaking world. Students will develop intermediate communication skills in listening, speaking, reading, and writing on a wide range of topics. This course could allow the student to earn 12–16 retroactive college credits with the placement exam and course work of a B or better in a college Spanish course.	
PREREQUISITES	Spanish III (912) or consent of instructor	

World Languages Course Offerings

WL914		SPANISH V
GRADE LEVEL	11, 12	
CREDITS	1	
FEES & SUPPLIES	3-ring binder, notebook.	
DESCRIPTION	Students experience the language and culture of the Spanish speaking world. Students will develop advanced communication skills in listening, speaking, reading and writing on a wide range of topics. This course could allow the student to earn 12–16 retroactive college credits with the placement exam and course work of a B or better in a college Spanish course.	
PREREQUISITES	Spanish IV (913) or consent of instructor	