



HAMILTON HIGH SCHOOL
2022-23

COURSE CATALOG

Cover Design: Landon Tetzlaff, Graphic Arts I



Hamilton School District

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

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REGISTRATION AND SCHEDULING PROCESS

Selecting courses to fulfill graduation requirements involves many choices and decisions. Students and their parents/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. Teachers discuss the catalog with students and emphasize the 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. Teacher recommendations should be followed. Choose your courses carefully. Many class sections FILL RAPIDLY, SO FUTURE SCHEDULE CHANGES MAY NOT BE 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. COURSES OFFERED EVERY OTHER YEAR WILL ALSO BE CANCELED IF THERE IS INSUFFICIENT 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/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 should this happen.

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

1. A course requested is canceled due to low enrollments
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 AVAILABLE TO HIGH SCHOOL 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/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 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 15 of the graduating year. Consult with a student service 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 in regard to 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 - The 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		Ext
Principal	Becky Newcomer	1104
Associate Principal	Chris Laurishke	1190
Associate Principal	Mark Otto	1105
Athletics & Co-Curricular Activities	Michael Gosz	1125
Attendance Line/Absences	Janet Enters	(262) 246-1800
Extended Learning Opportunities	Mark Otto	1105
Health Room/Medications/Illnesses at School	Jenny Galbavy	1122
Library/Media Questions	Jacque Gorski	1123
Police Liaison Program	SRO Leah Estes	1189
<i>Student Issues – Last Names Beginning</i>		
<i>A – F</i>	Michael Gosz	1125
<i>G - O</i>	Chris Laurishke	1190
<i>P – Z</i>	Mark Otto	1105
Academic or Class Concerns (contact teacher)	Teacher Message Line (262) 246-1801 and teacher's voicemail extension	
Student Services Department (262) 246-6476		Ext
Personal/Social Issues/General Academic Concerns/Post High School Planning		
<i>Student Last Names Beginning</i>		
<i>A – C</i>	Kristin Hasbrook	1128
<i>D – I, W-Z</i>	Helen Geracie	1135
<i>J – P</i>	David Johnson	1133
<i>Q – V</i>	Tricia Rigg	1134
Alcohol and Other Drug Concerns	Kristin Hasbrook	1128
Exceptional Education Questions	John Peterson	1184
Psychological Testing	Michelle Seligman	1124
Truancy, Personal and Social Issues	Liz Mistele	1132
220 Program Coordinator/Registrar	Matt Clark	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. 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).

ADVANCED STANDING - The student is enrolled in a course being taught by a Hamilton High School instructor. These courses qualify for advanced standing at a technical college but are not actual college courses. This credit may also transfer to another college.

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 AND CREDIT – A one-credit course is offered every day for a semester; each semester is 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 the areas of Applied Engineering and Technology, Business Education and Family and Consumer Sciences. 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.
3. Complete the application process.
4. Get consent of the 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. *

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).
- 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 on-line coursework options. An Independent Study Contract must be approved by an administrator.

DEFINITION OF TERMS Continued

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.

TRANSCRIPTED 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 and Technology, Social Studies and Family and Consumer Sciences. Students must earn a 'C' or better to earn college credit.

2 + 2 + 2 PROGRAMS - Hamilton High School offers an opportunity for students to make a seamless progression from high school to WCTC and then to participating colleges and universities. Students can take classes in high school that will transfer to selected WCTC associate degree programs and various senior colleges. For example, University of Wisconsin-Stout, Carroll College, and Marquette University have formed partnerships to allow WCTC graduates in the identified associate degree programs to transfer to the senior college or university with junior standing. 2 + 2 + 2 opportunities exist in the areas of electronics technology, mechanical design, and printing and publishing. Courses are available to all students in Waukesha County high schools and are held at Kettle Moraine, Hamilton, and Mukwonago high schools. Information regarding specific courses, times, and locations and registration is available from the high school counselors or Extended Learning Opportunities Coordinator.

YOUTH APPRENTICESHIP - This unique 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 academic education, occupational instruction, and work-based learning with an employer. 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

PREPARING FOR COLLEGE - The following courses are considered minimum requirements for students planning on attending college:

1. 4 credits of Communication Arts, including:
 1. Communication Arts 9 or Communication Arts 9 Honors
 2. Communication Arts 10 or Communication Arts 10 Honors
 3. A minimum of two credits (one junior year, one senior year) of the following:
 - American Literature
 - Oral Interpersonal Communication
 - Contemporary Issues in Literature
 - College Reading and Writing
 - College Reading and Writing (Blended/Online - seniors only)
 - AP Language and Composition
 - AP Literature and Composition (seniors only)
 - World Literature and Cultural Studies
 - World Literature and Cultural Studies (Blended/Online - seniors only)
2. 3 credits of Mathematics, including:
 1. Algebra
 2. Geometry
 3. At least 1 credit in Advanced Mathematics (typically Advanced Algebra)
 - 2.1.1. Also recommended: Pre-Calc I, Pre-Calc II, AP Calculus and/or AP Statistics
3. 3 credits of Social Studies including:
 1. AP Human Geography or World History & Modern Affairs
 2. AP US History or 20th Century US History
 3. AP US Government & Politics AND AP Macroeconomics OR AP Microeconomics or Civics & Economics
 4. NOTE: AP US Govt. & AP Econ pairing do not need to be taken in the same year
4. 3 credits of Science, including:
 1. Biology or Biology Honors
 2. Chemistry, Chemistry Honors, Physical Science, Physics
 3. Any other science course (Earth and Space Science, Environmental Science, Human Anatomy and Physiology, Principles of Engineering, AP Biology, AP Chemistry, AP Environmental Science or AP Physics 1, 2, or C)
5. 4 additional credits from the areas listed above, and/or other academic areas

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 I. 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 (refer to Math section, p. 72)
- 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 Continued

ACADEMIC AND 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, beginning in the 2017-2018 school year. 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.

ASPIRE – 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.

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 attend to the following to increase the probability of higher scores.

- Take the ninth grade ASPIRE test (mandatory).
- Take the ASPIRE (mandatory) and PSAT (optional) test in tenth grade.
- Take the ACT practice test administered at Hamilton High School in eleventh grade.
- Use the ACT and/or SAT website for helpful information and materials.
- Take the PSAT and ACT in eleventh grade.
- Take an ACT prep course.
- Take other ACT and/or SAT preparation courses outside of Hamilton such as: Learning Exchange, WCTC, Kaplan, etc.
- Take the ACT and/or SAT practice test provided with the ACT and/or SAT registration packet or through Career Cruising.
- Use Method Test Prep program in Career Cruising during advisement.

Core curriculum recommended by ACT/SAT:

- | | |
|--|-----------|
| • English (Communication Arts) | 4 credits |
| • Social Studies | 3 credits |
| • Science (Biology, Chemistry, Physics) | 3 credits |
| • Math (Algebra, Geometry, Advanced Algebra) | 3 credits |

PREPARING FOR VOCATIONAL/TECHNICAL COLLEGE, APPRENTICESHIPS, WORK

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 education courses

These classes are recommendations on preparing for study at a vocational/technical college, NOT 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 they know what high school courses will best prepare them for specific programs or careers.

GRADUATION REQUIREMENTS

Hamilton High School requires **28.0 credits** for graduation. Students must complete all requirements by the end of the senior year to participate in the graduation ceremony.

MATH	3 credits required <ul style="list-style-type: none"> ● Algebra or Algebra A and B - 1 credit ● Geometry or Geometry Concepts - 1 credit ● At least 1 credit in Advanced Mathematics (Intermediate Alg. or Adv. Alg.) Also recommended: Pre-Calc I, Pre-Calc II, AP Statistics and/or AP Calculus, Business Math, Math & Logic, Adv. Topics.
SCIENCE	3 credits required <ul style="list-style-type: none"> ● Biology or Biology Honors Grade 9) – 1 credit ● A physical science course (Chemistry or Chemistry Honors, Physical Science, Physics or Physics 1) (Grade 10) – 1 credit ● Any other science course (Earth and Space Science, Environmental Science, Human Anatomy and Physiology, Principles of Engineering, Biology, AP Chemistry, AP Environmental Science or AP Physics, AP Physics 1, 2, or C) (Grade 11, 12) – 1-2 credits
ACADEMIC ELECTIVE / APPLIED ACADEMICS	13 credits
SOCIAL STUDIES	3 credits <ul style="list-style-type: none"> ● World History credit (Gr. 9) <ul style="list-style-type: none"> ■ AP Human Geography <u>OR</u> World History & Modern Affairs ● US History credit (Gr. 10 or 11) <ul style="list-style-type: none"> ■ AP US History <u>OR</u> 20th Century US History ● Civics & Economics credit (11 or 12) <ul style="list-style-type: none"> ○ AP US Govt. AND AP Macro Econ OR AP Micro Econ <ul style="list-style-type: none"> ● NOTE: AP US Govt. & AP Econ pairing do not need to be taken in the same year ○ <u>OR Civics & Economics</u> ○ Students must pass a state mandated civics exam ● Students must pass a state mandated civics exam.
COMMUNICATION ARTS	4 credits - The pattern must include: <ul style="list-style-type: none"> ● Communication Arts 9 or Communication Arts 9 Honors (Gr 9) – 1 credit ● Communication Arts 10 or Communication Arts 10 Honors (Gr 10) – 1 credit ● Junior and Senior year options for Communication Arts (minimal requirement of 1 class per year): <ul style="list-style-type: none"> ● American Literature, Oral and Interpersonal Communication, Contemporary Issues in Literature, College Reading and Writing, World Literature and Cultural Studies, Advanced Placement Language and Composition ● Additional options for Senior Year Only: AP Literature and Composition, College Reading and Writing-Blended/Online, World Literature and Cultural Studies-Blended/Online - 1-2 credits <p><i>A minimum of 1 credit of Communication Arts <u>must</u> be taken each year during your high school career.</i></p>
FITNESS EDUCATION	2 credits Personal Fitness 9 - 1 credit Fitness/Health10 - 1 credit

Fitness 10 is comprised 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 freshmen 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 half credit of required health curriculum during a six-week summer school course through the Hamilton School District, prior to the sophomore year.

- 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.
- Please note: Attendance is mandatory. A maximum of two absences are permitted in the summer, no exceptions.



HHS
Course Descriptions
2022-23



APPLIED ENGINEERING AND TECHNOLOGY

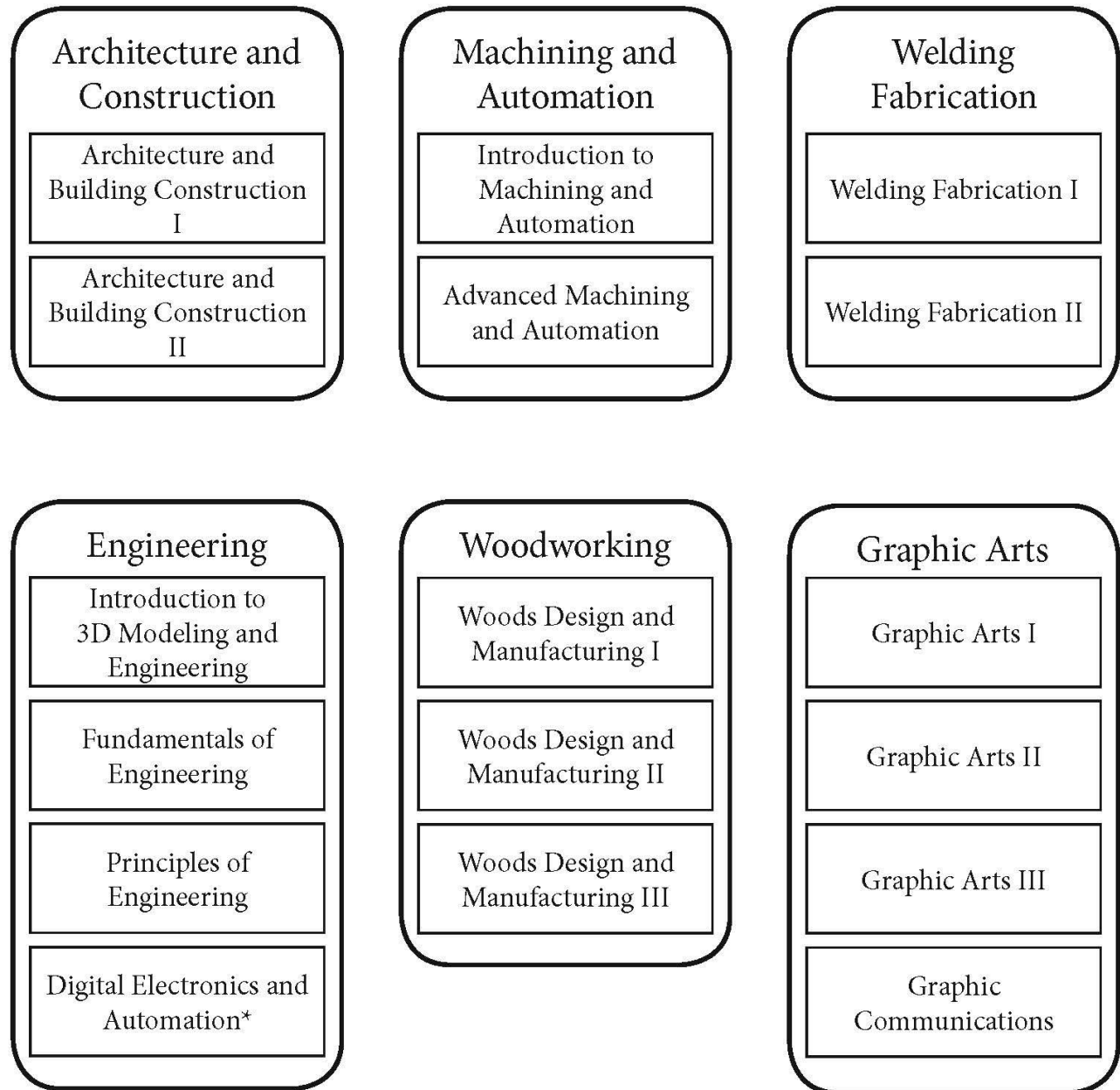
DEPARTMENT GOAL

The goal of the Applied Engineering and 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.

RELATED CAREER PATHS

- | | | |
|--|--|--|
| <ul style="list-style-type: none">• Advertising Design• Aircraft Mechanic• Architectural Drafter• Automation• Buildings and Grounds• Cabinetmaker• Carpenter• Computer Drafting• CNC Operator & Machinist• Digital Media Design• Electrical Drafter• Electrician Engineering• Engineering Technology | <ul style="list-style-type: none">• Entrepreneur• Facilities Manager• Fluid Power Technician• Graphic Arts Management• Graphic Designer• Heating and Air Conditioning Technician• Industrial Technology• Painter• Project Manager• Machinist• Maintenance Mechanic | <ul style="list-style-type: none">• Mechanical Designer – 2D & 3D Animation• Plant Operator• Plumber• Printing and Publishing• Product & Package Designer• Service Technician• Sheet Metal Worker• Surveyor• Teacher• Tool and Die Worker• Welder• Well Driller |
|--|--|--|

Hamilton Applied Engineering Course Offering Progression



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.

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Introduction to 3D Modeling and Engineering (AE829) Applied Engineering & Technology 1 9, 10, 11, 12 Pre Algebra 8 with C- or higher, or Algebra 8, or Algebra (505), or Algebra A & B (506, 507) with C- or higher				
	<p>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:</p> <ul style="list-style-type: none"> • Basic understanding of linear functions and equations to analyze data. • Geometric relationships, calculations, and spatial skills to create designs in Solidworks <p>Student will learn:</p> <ul style="list-style-type: none"> • 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. <p>Skills learned, reinforced, advanced and applied:</p> <table style="width: 100%; border: none;"> <tr> <td style="vertical-align: top;"> <ul style="list-style-type: none"> • Applied math • Problem solving • Basic operations and procedures </td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> • Design concepts • Creating and reading basic Engineering drawings </td> </tr> </table> <p>Activities:</p> <table style="width: 100%; border: none;"> <tr> <td style="vertical-align: top;"> <ul style="list-style-type: none"> • Learn basic measuring techniques • Learn basic hand drawings • Learn basic Solidworks functions • Learn basic Engineering drawing layout and dimensioning • Learn basic sheet metal Solidworks functions • Learn basic weldment Solidworks functions </td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> • Design and build a puzzle cube • Design and 3D print a container for the puzzle cube • Design and build an LED acrylic sign • Design, test, analyze, and build a balloon car • Design, laser cut, and build a cardboard storage box • Design, virtually test and physically test a balsa wood bridge </td> </tr> </table> <p>Fees & Supplies: \$25.00 Lab Fee</p>	<ul style="list-style-type: none"> • Applied math • Problem solving • Basic operations and procedures 	<ul style="list-style-type: none"> • Design concepts • Creating and reading basic Engineering drawings 	<ul style="list-style-type: none"> • Learn basic measuring techniques • Learn basic hand drawings • Learn basic Solidworks functions • Learn basic Engineering drawing layout and dimensioning • Learn basic sheet metal Solidworks functions • Learn basic weldment Solidworks functions 	<ul style="list-style-type: none"> • Design and build a puzzle cube • Design and 3D print a container for the puzzle cube • Design and build an LED acrylic sign • Design, test, analyze, and build a balloon car • Design, laser cut, and build a cardboard storage box • Design, virtually test and physically test a balsa wood bridge
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Course Title: Discipline: Credits: Grade Level: Prerequisites:	Fundamentals of Engineering (AE830) Applied Engineering & Technology 1 10, 11, 12 C- or higher in Algebra (505) or B- or higher in Algebra A & B (506 & 507),
	<p>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 3-4-3 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. Designs Some designs will be created using 3D Solid Modeling, so prior use and knowledge is highly recommended. Students will learn to create</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Problem-solving • Design concepts • Basic operations and procedures • Team building • Technical writing • Presentation skills <p>Activities:</p> <ul style="list-style-type: none"> • Research Engineering disciplines and career choice • Use statistical analysis to evaluate Quality Control of a measured product • Design, build, and test a laser-cut cardboard stool • Apply principles of mechanical advantage and gear ratio to build and test a compound machine • Apply basic electricity to build an operation game • Apply principles of Energy, force, and motion to design, build, and test a 3D printed, battery operated car • Apply basic electricity and magnetism principles to automate a lab scale manufacturing process • Use experimental design and data analysis using mathematical modeling to design and test windmill blades • Robot programming <p>Fees & Supplies: \$20.00 Lab Fee</p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Digital Electronics and Automation (AE835) Applied Engineering & Technology 1 11, 12 Fundamentals of Engineering (AE830), or Principles of Engineering (SC625), or Advanced Machining and Automation (AE8 5), or Physics (SC617), or Honors Physics (SC620), OR approval from the instructor
	<p>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).</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Problem-solving • Design concepts • Basic operations and procedures • Team building • Technical drawing <p>Activities:</p> <ul style="list-style-type: none"> • Wire series and parallel circuits using a breadboard • Wire digital circuits using diodes, logic gates, and breadboards • Simplify digital circuit design using Boolean Algebra, K-Mapping, and DeMorgan Theory • Program and automate lab scale pneumatic manufacturing equipment. • Design and automate a manufacturing process • Robot programming <p>Fees & Supplies: \$20.00 Lab Fee</p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Graphic Arts I (AE812) Applied Engineering & Technology 1 9, 10, 11, 12 None
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Introduction to graphic arts software • Computer composition • Project workflow • Screen printing operations • Problem-solving • Typography & layout • Principles of design • Safe and efficient work habits • Graphic arts photography • Offset press operations • Graphic arts terminology • Critical reading <p>Activities:</p> <ul style="list-style-type: none"> • Oral presentations • Guided practice • Labs • Career exploration • Large and small group demonstrations • Projects - stickers, posters, t-shirts and more <p>Fees & Supplies: \$25.00 Lab Fee</p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Graphic Arts II (AE813) Applied Engineering & Technology 1 10, 11, 12 Grade of "C" or better in Graphic Arts I (812) or consent of instructor.
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Use of graphic arts software • Spot color separation • Multi-color Offset printing operations • Proper use of online graphics resources • Critical reading, research, and analysis • Basic workflow operations and procedures • Multi-color screen printing operations and techniques • Opportunity for Adobe Certification <p>Activities:</p> <ul style="list-style-type: none"> • Oral presentations • Guided practices • Labs • Projects - Stickers, t-shirts, and more • Career exploration • Large and small group demonstrations <p>Fees & Supplies: \$20.00 Lab Fee</p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Graphic Arts III – Graphic Production (AE814) Applied Engineering & Technology 1 10, 11, 12 Grade of “C” or better in Graphics Arts II (813) or consent of instructor.
	<p>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 low enrollment/scheduling issues.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Fake color separation • Advanced Desktop Publishing • Computer composition and Image manipulation • Advanced offset press operations • Production printing • Advanced screen-printing operations • Critical reading, research, and analysis • Opportunity for Adobe Certification <p>Activities:</p> <ul style="list-style-type: none"> • Oral presentations • Guided practice • Labs • Mugs, mousepads, t-shirts etc. • Large and small group demonstrations • Small group and individual projects • Self-paced instruction • Packaging, design, and assembly <p>Fees & Supplies: \$25.00 Lab Fee</p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Graphic Communications / Graphic Production (AE815) Applied Engineering & Technology 1 12 Grade of “C” or better in Graphic Arts III (814) or consent of instructor.
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Advanced use of Adobe Illustrator • Advanced use of Adobe Photoshop • Use of web design software • Basic operations and procedures • Digital portfolio development • Opportunity for Adobe Certification • Production printing • Digital photography and image manipulation <p>Activities:</p> <ul style="list-style-type: none"> • Illustrator design, color separation and four-color printing explained • Photoshop multi-layered poster design • Web page design and fundamentals • Self-paced instruction • Job ticket, technical writing, and guided practice • 24-page design, layout, and assembly • Portfolio development • Graphic Arts terminology <p>Fees & Supplies: \$20.00 Lab Fee</p> <p>Articulation: <i>Advanced standing with WCTC.</i></p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Architecture and Building Construction I (AE850) Applied Engineering & Technology 1 9,10,11, 12 None.
	<p>Description: This 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 though 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.</p> <p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Measurement • Reading architectural drawings • Following plans, procedures, and design parameters • Solid modeling– intermediate geometry • Estimating for manufacturing– intermediate algebra • Sketching, designing, and problem solving • Machine and job safety • Teamwork and collaboration • Use of hand tools and construction power equipment <p>Activities:</p> <ul style="list-style-type: none"> • Architectural drafting of residential structures • Sketching and drawing of architecture • Basic model making of structures • Interior design presentation using material samples • Finishing Carpentry – Drywall and Trim • Rough Carpentry – Basic Wall, Floor and Ceiling Framing • Electrical – Basic Wiring <p>Fees & Supplies: \$30 Lab Fee. Students will need to purchase safety glasses, pencils, and materials for projects.</p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Architecture and Building Construction II (AE851) Applied Engineering & Technology 1 10, 11, 12 Grade of “C” or better in Architecture and Building Construction I (AE861) or consent of instructor.
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Measurement • Reading architectural drawings • Following plans, procedures and design parameters • Solid modeling– intermediate geometry • Estimating for manufacturing– intermediate algebra • Sketching, designing and problem solving • Machine and job safety • Teamwork and collaboration • Use of hand tools and construction power equipment <p>Activities:</p> <ul style="list-style-type: none"> • Architectural drafting of residential and commercial structures • Sketching and drawing of architecture • Advanced model making of structures • Interior design presentation using material samples • Finish Carpentry • Rough Framing • Electrical • Plumbing <p>Fees & Supplies: \$30 Lab Fee. Students will need to purchase pencils, safety glasses, and materials for projects.</p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Woods Design and Manufacturing I (AE820) Applied Engineering & Technology 1 9, 10, 11, 12 None
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Measurement and layout • Reading drawings • Following plans and procedures • Solid modeling– basic geometry • Estimating - basic algebra • Wood identification • Machine and job safety • Manufacturing of parts and assemblies • Teamwork and collaboration • Use of hand tools and industrial power equipment <p>Activities:</p> <ul style="list-style-type: none"> • Modeling of basic parts and assemblies using SolidWorks • Creation of parts using industrial equipment • Assembly of parts using basic joinery processes • Programming CNC Laser using CorelDraw • CNC Laser operation engraving and cutting • Sanding, staining, and finishing of wood products <p>Fees & Supplies: \$30.00 Lab Fee. Students will need to purchase safety goggles, pencil, tape measure, and materials for projects.</p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Wood Design and Manufacturing II (AE800) Applied Engineering & Technology 1 10, 11, 12 Grade of “C” or better in Wood Design and Manufacturing I (AE801) or consent of instructor.
	<p>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 cabinetmaking 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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Measurement and layout • Reading drawings • Following plans and procedures • Solid modeling– intermediate geometry • Estimating for manufacturing– intermediate algebra • Sketching, designing, and problem solving • Machine and job safety • Manufacturing of parts and assemblies • Teamwork and collaboration • Use of hand tools and industrial power equipment <p>Activities:</p> <ul style="list-style-type: none"> • Modeling of basic parts and assemblies using SolidWorks • Creation of advanced parts using industrial equipment • Assembly of parts using advanced joinery processes • Cabinet drawer box and door assembly • Hinges, drawer slide and hardware installation • Programming CNC Laser using CorelDraw • CNC Laser operation engraving and cutting • Programming CNC Router using V-Carve Pro • CNC Router operation for cabinet construction • Advanced sanding, staining, and finishing of woodproducts <p>Fees & Supplies: \$30.00 Lab Fee. Students will need to purchase safety goggles, pencil, tape measure, and materials for projects.</p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Woods Design and Manufacturing III (AE803) (Formerly Applied Cabinetmaking) Applied Engineering & Technology 1 11, 12 Grade of "C" or better in Woods Design and Manufacturing II (AE802) or consent of instructor.
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Measurement, layout, and patternmaking • Creating working drawings • Creating working plans and procedures • Solid modeling– intermediate geometry • Estimating for manufacturing– intermediate algebra • Automated manufacturing using CNC Router and Laser • Sketching, designing, and problem solving • Machine and job safety • Advanced manufacturing of parts and assemblies • Teamwork, collaboration, and time management • Use of advanced hand tools and industrial power equipment <p>Activities:</p> <ul style="list-style-type: none"> • Solid Modeling parts, assemblies and drawings using SolidWorks • Complex machine set-ups • Intricate and complex joinery • Molding and trim work • Installation of custom hardware and fastening devices • Advanced finishing techniques • CNC router and laser operation • CNC router and laser programming • Creation of advanced wood products <p>Fees & Supplies: \$30.00 Lab Fee. Students will need to purchase safety goggles, pencil, tape measure, and materials for projects.</p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Introduction to Machining and Automation (AE860) Applied Engineering & Technology 1 9, 10, 11, 12 None
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Application of technical math • Blueprint reading • Technical writing • Manual machining • CNC programming and operation • Listening with a focus on understanding and following technical directions • Logic and reasoning • Industrial robotic programming • Sheet metal work <p>Activities:</p> <ul style="list-style-type: none"> • Manual and CNC machining • Project organization • Self-assessment • Robotic programming and operation <p>Fees & Supplies: \$30 Lab Fee. Students will need to purchase safety glasses and materials for projects.</p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Advanced Machining and Automation (AE865) Applied Engineering & Technology 1 10, 11, 12 Grade of "C" or better in Introduction to Machining and Automation (AE825) or consent of instructor.
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Manual machining • Problem solving • CNC programming and operation • Blueprint reading • Procedure writing • Application of technical math • Industrial robotic programming • Project design and manufacturing <p>Activities:</p> <ul style="list-style-type: none"> • Project development • Manual and CNC machining • Robotic programming and operation • Quality control • self-assessment <p>Fees & Supplies: \$30 Lab Fee. Students will need to purchase safety glasses and materials for projects.</p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Welding Fabrication I (AE870) Applied Engineering & Technology 1 9, 10, 11, 12 None
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Sheet metal • Welding • Heat treating • Problem solving • Procedure writing • Applied Math • Blueprint reading <p>Activities:</p> <ul style="list-style-type: none"> • Bill of materials • Teacher/Student evaluation • Production Techniques • Quality Control <p>Fees & Supplies: \$30 Lab Fee. Students will need to purchase safety glasses and any additional project materials.</p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Welding Fabrication II (AE871) Applied Engineering & Technology 1 10, 11, 12 Grade of "C" or better in Welding Fabrication I (AE870) or consent of instructor.
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Technical reading and writing • Technology and tool selection • Research and problem-solving • Goal setting and time management • Interactive learning and communication • Applied math and science • Drafting and blueprint reading • Project planning <p>Activities:</p> <ul style="list-style-type: none"> • Design, fabricate, and evaluate projects • Bill of materials • Self-evaluation • 3-phase rotation <ul style="list-style-type: none"> ○ design to project turn over ○ project turn over to fabricate/assembly ○ fabricate/assembly to test/redesign <p>Fees & Supplies: \$30 Lab Fee. Students will need to purchase safety glasses and any additional project materials.</p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Graphic Arts Youth Apprenticeship (9006) Applied Engineering & Technology 2 11 Consent of Extended Learning Opportunities Coordinator and Instructor
	<p>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. Candidate must have completed a class in printing and complete an application and interview process.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Introductory graphic arts skills • Electronic publishing • Pre-press • Press operation <p>Activities:</p> <ul style="list-style-type: none"> • On-the-job training • Related classroom curriculum <p>NOTE: Students must provide their own transportation to the work site.</p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Manufacturing Youth Apprenticeship (AE824) Applied Engineering & Technology 2 11 Consent of Extended Learning Opportunities Coordinator and Instructor
	<p>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.</p> <p>NOTE: Students must provide their own transportation to the work site.</p>

ART

DEPARTMENT GOAL

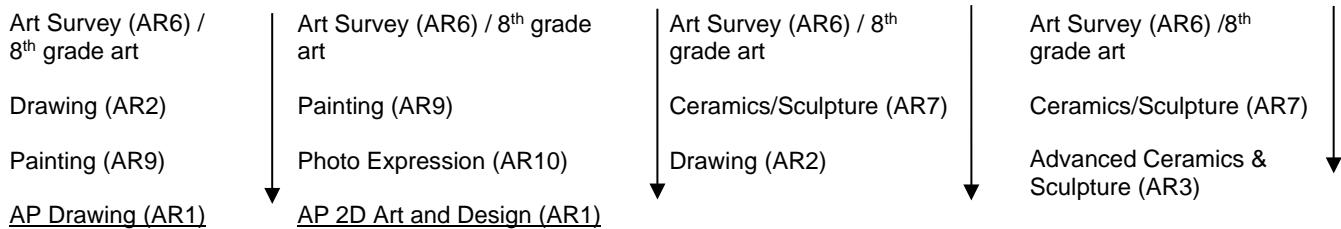
Our goal in the Hamilton School District is to prepare our students for a richer and more rewarding life. Through the freedom of visual expression, we encourage creative thinking, use of imagination and problem-solving. Through a study of art heritage, students gain sensitivity to their environment and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

Fine Arts Course Sequence

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



- Art Survey is a required class for the sequence of Fine Art course work 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

RELATED CAREER PATHS

- | | | |
|--|---|--|
| <ul style="list-style-type: none"> • 2D & 3D Animation • Advertising Layout • Architect • Architectural Designer • Art Director • Art Salesperson • Art Teacher • Artist • Art Therapist • Cartographer • Commercial Artist • Computer/Video Game Designer | <ul style="list-style-type: none"> • Curator • Set/Costume Designer • Film Maker • Floral Designer • Potter/Ceramics • Fashion Designer • Gallery Owner/Operator • Graphic Artist • Illustrator • Interior Decorator • Jeweler • Lighting & Landscaper • Lithographer • Magazine Designer | <ul style="list-style-type: none"> • Make-Up Artist • Matting/Framing • Mechanical Designer • Mechanical Engineer • Merchandise/Window Display • Painter/Muralist • Photographer • Product/Package Designer • Sculptor • Set Designer • Sign Painter • Web Page Designer |
|--|---|--|

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Art Survey (AR6) Art 1 9, 10, 11, 12 None
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Creative and innovative thinking of original designs for each class assignment • Communication of visual ideas through sketching • Collaboration amongst art students during formative assessments • Critical thinking, problem-solving and decision-making during the process of creating works of art • Focus on artists or art movements in relation to student work. • Portfolio documentation and project research that utilizes technology • Building an art vocabulary, to use during written and oral critiques • Application of the elements and principles of design in artwork • Self-assessment of artwork through the use of rubrics and reflective questions <p>Activities:</p> <ul style="list-style-type: none"> • Art production in drawing, painting, printmaking, design, ceramics, and sculpture • Weekly sketchbook assignments • Written reflections and critiques • Utilization of media and technology to start a working portfolio <p>Fees & Supplies: \$25.00 Lab Fee. Also needed: Folder or notebook, #2 pencils and eraser, black sharpie, plastic bags, and containers.</p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Drawing (AR2) Art 1 9, 10, 11, 12 Art Survey (6) or B or higher in 8th grade art or demonstration of proficiency with portfolio and/or instructor’s consent.
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Visual communication • Aesthetic appreciation • Creative thinking • Problem solving • Divergent thinking • Work ethic and work habits • Joy of creation • Continue building art vocabulary • Use critical method for analysis • Self-confidence • Self-discipline • Practice and perseverance • Self-assessment and judgment • Continue written critique of own work • Begin oral critique of class work • Continue digital portfolio collection <p>Activities:</p> <ul style="list-style-type: none"> • Art production in drawing, painting, printing, mixed media, and technology • Weekly sketchbook homework • Review one hundred years of Modern art history • Research, study, and oral presentation on a Modern artist • Journal of the creative process • Conference with peer assessors • Conference with teacher • Maintenance of a digital portfolio • Professionally mat artwork • Written reflection of own artwork • Class critiques <p>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 digital portfolio.</p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Painting (AR9) Art 1 9, 10, 11, 12 Art Survey (6) or B or higher in 8th grade art or demonstration of proficiency with portfolio and/or instructor's consent.
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Art criticism • Art aesthetics • Visual communication • Creative problem solving • Development of original ideas • Formative studies offering subject and media • Fluency of original ideas • Research • Analysis • Share knowledge and skills • Craftsmanship • Planning/Problem-solving with thumbnails <p>Activities:</p> <ul style="list-style-type: none"> • Art production in the following themes: architectural landscape, portraiture, still life, nature, and parody • Weekly homework in watercolor sketchbook • 'In plain air' painting (outside on location) • Unusual surface painting • Survey of Early American Modernism and Post Modernism history • Development of artist statement • Research of artists and analysis of their quotes • Continuation of 'Best Works' digital portfolio • Student Art Show • Use of Critical Method for analysis <p>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 digital portfolio.</p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Ceramics/Sculpture (AR7) Art 1 9, 10, 11, 12 Art Survey (6) or B or higher in 8th grade art or demonstration of proficiency with portfolio and/or instructor's consent.
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Creative and innovative planning of each project • Apply critical thinking skills to art projects to solve visual communication problems • Build an art vocabulary to use during written and oral critiques • Learn time management skills and practice safety precautions with all materials, tools, and equipment in the ceramic's studio • Apply acquired knowledge in the physical properties and chemical characteristics of the media in choosing appropriate methods and finishes for pieces • Recognize, identify, and analyze historic ceramic artwork for understanding and application to one's own work • Read and write about art history for insight into other eras, cultures, and societies • Develop the habit of utilizing a sketchbook to regularly record information and plan pieces • Use multi-media for effective visual communication between artist and audience and maintain digital portfolio of artwork. <p>Activities:</p> <ul style="list-style-type: none"> • Hand-building using slab, pinch, coil, and a variety of molding methods • Glazing application firing techniques • Wheel throwing functional pottery • Sketchbook assignments • Recognize, identify, and classify historic art works • Written and oral critiques • Utilization of technology to develop and maintain and ongoing portfolio <p>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.</p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Advanced Ceramics and Sculpture (AR3) Art 1 10, 11, 12 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)
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Critical reading • Analytic and reflective writing • Visual problem solving • Craftsmanship • Art criticism • Recognize, identify, and classify historic art works • Mathematically calculate and gauge sculptural proportions • Visual communication <p>Activities:</p> <ul style="list-style-type: none"> • Show an understanding of the elements of art and principles of design in the creation of three-dimensional artwork • Study a variety of artists and cultural styles in three-dimensional design • Use ceramic and sculpture vocabulary • Discuss and utilize additive and subtractive techniques, as well as basic hand building and wheel throwing methods in clay • Learn mold making, casting, and carving as well as direct building processes • Create three-dimensional pieces from sketches or maquettes • Recognize the relationship between surface treatment and the overall form in three-dimensional artwork • Critique artwork and participate in class critiques • Identify potential hazards in the ceramic studio • Use tools, supplies and equipment appropriately and safely • Maintain a pleasant, clean, and organized studio workspace • Maintain a digital portfolio of work <p>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 digital portfolio.</p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Advanced Placement Drawing / 2-D Art and Design (AR1) Art 2 (<i>Weighted grade – 5.0 scale</i>) 11, 12 'B' Average or higher in Art Survey (6), Drawing (2) and Painting (9)			
<p>Description:</p> <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> <ul style="list-style-type: none"> • 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. • 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>Skills learned, reinforced, advanced and applied:</p> <table style="width: 100%; border: none;"> <tr> <td style="vertical-align: top;"> <ul style="list-style-type: none"> • Problem-posing • Problem-solving • Refinement and Craftsmanship • Ideation • Development of personal voice/style </td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> • Research • Visual Communication • Experimentation • Self-discipline in work habits </td> </tr> </table> <p>Activities:</p> <table style="width: 100%; border: none;"> <tr> <td style="vertical-align: top;"> <ul style="list-style-type: none"> • Selecting Personal Themes and Visual Problems • Independently working in a studio with peers • Taking personal risks by pushing to new levels of technique and expression • Student Art Show </td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> • Maintenance of sketchbook • Communicating in formal and informal class critiques • Developing a digital portfolio • Self, peer, and teacher critiques as well as oral and written assessments </td> </tr> </table> <p>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 digital portfolio.</p>	<ul style="list-style-type: none"> • Problem-posing • Problem-solving • Refinement and Craftsmanship • Ideation • Development of personal voice/style 	<ul style="list-style-type: none"> • Research • Visual Communication • Experimentation • Self-discipline in work habits 	<ul style="list-style-type: none"> • Selecting Personal Themes and Visual Problems • Independently working in a studio with peers • Taking personal risks by pushing to new levels of technique and expression • Student Art Show 	<ul style="list-style-type: none"> • Maintenance of sketchbook • Communicating in formal and informal class critiques • Developing a digital portfolio • Self, peer, and teacher critiques as well as oral and written assessments
<ul style="list-style-type: none"> • Problem-posing • Problem-solving • Refinement and Craftsmanship • Ideation • Development of personal voice/style 	<ul style="list-style-type: none"> • Research • Visual Communication • Experimentation • Self-discipline in work habits 			
<ul style="list-style-type: none"> • Selecting Personal Themes and Visual Problems • Independently working in a studio with peers • Taking personal risks by pushing to new levels of technique and expression • Student Art Show 	<ul style="list-style-type: none"> • Maintenance of sketchbook • Communicating in formal and informal class critiques • Developing a digital portfolio • Self, peer, and teacher critiques as well as oral and written assessments 			

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Photographic Expression (AR10) Art 1 9, 10, 11, 12 None
	<p>Description: This course combines elements of fine art and photographic technology. Students will have the opportunity to understand how a 35 mm camera works while exploring the creativity of black and white photography. They will also use a digital camera to take photographs and manipulate them into unique compositions using Adobe Photoshop. Students will learn artistic composition and design, the technology behind a manual camera, how to chemically develop film and prints, the history of photography, and the ideas and techniques of famous photographers. Students will also discover special effects possible with certain lighting, developing, and printing techniques.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Creative thinking • Critical thinking and problem-solving • Acquiring knowledge and application of technical processes and technology • Craftsmanship • Visual communication • Organization • Research • Work ethic and time management • Self-assessment of artwork • Art criticism <p>Activities:</p> <ul style="list-style-type: none"> • Artistically compose and design photographs • Learn how a 35 mm camera works • Process black and white film • Print contact prints, test strips and final prints • Understand the chemical reactions and correct order of photo processing • Develop self-assessment skills using rubrics • Develop a digital portfolio • Learn about the historical significance of photography and the intent of early and contemporary photographers • Learn professional dry mounting and matting • Written and oral analysis of artwork • Explore digital photography and photo manipulation using Adobe Photoshop • <p>Fees & Supplies: \$35.00 Lab Fee. A manual 35 mm single lens, reflex film camera which requires manual adjustments (not automatic!) and access to a digital camera is required. If you do not have access to a required 35mm film camera, there are ten cameras available for rent on a first-come, first-served basis with a \$25 rental cost. Also needed: three ring-binder (11/2"- 2"), 1 roll of color print film-24 exp., or use of digital camera to make digital color prints, pencil, pen, flash drive for digital portfolio.</p>

BUSINESS EDUCATION AND MARKETING

DEPARTMENT GOAL

Business 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. The “Charger Corner” student-based school store gives students in all business classes the opportunity to gain a hands-on experience.

RELATED CAREER PATHS

- | | | |
|--|---|---|
| <ul style="list-style-type: none">• Actuary• Animator• Advertising Specialist• Bank Teller• Certified Public Accountant• CEO• Computer Programmer• Computer Network Architect• Computer Research Specialist• Computer Support Specialist• Computer Systems Engineer• Computer Technician• Concept Designer• Corporate Trainer• Court Reporter• Credit Analyst• Creative Director | <ul style="list-style-type: none">• Database Administrator• Data Entry• Digital Media Specialist• Financial Analyst• Entrepreneur• Human Resources• Information Technology• Insurance Underwriter• Investment Banker• International Business Affairs• Lawyer• Marketing Analyst• Marketing Communications• Marketing Manager• Merchandising Specialist• Network Specialist• Network Systems Administrator | <ul style="list-style-type: none">• Personal Financial Planner• Product Manager• Public Relations Specialist Paralegal• Personal Banker• Real Estate Agent• Sales Representative• Social Media Manager• Software Developer• Software Quality Assurance Engineer• Sports Marketing Specialist• Systems Analyst• Stockbroker• Teacher• User Interface Designer• User Experience Designer• Web Designer and Developer |
|--|---|---|

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Computer Applications (BE110) Business Education and Marketing 1 9, 10, 11, 12 None
	<p>Description: Students will develop and apply computer skills using Microsoft Office 2019 (Word, Excel, and Power Point) 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 transferrable to a college of their choice.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Write and publish personal, school-related, and business documents using word processing • Create custom desktop publishing tools using advanced word processing features. • Use and apply spreadsheet software to calculate and report information in visual charts. • Manipulate spreadsheets to store, manipulate, sort, filter report data • Deliver oral presentations using various visual features. <p>Activities:</p> <ul style="list-style-type: none"> • Multimedia presentation • Real-world business application projects • Microsoft Office Specialist Certification (An industry standard certification) • Internet resources such as: Google Drive and Prezi <p>Fees & Supplies: \$7 Lab Fee includes computer related materials.</p> <p>Articulation: <i>This is a transcribed course with WCTC. (Students can earn 3 elective college credits.</i></p> <p>Industry Certification: <i>Students have the opportunity to earn 3 industry certifications by passing the Microsoft Office Specialist exams for Microsoft Word, Microsoft Excel, and Microsoft PowerPoint.</i></p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Digital Design and Web Development (BE104) (Formerly Advanced App & Web Design) Business Education and Marketing 1 9, 10, 11, 12 Computer Applications (110)
	<p>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 in the Adobe Creative Cloud Suite including Photoshop, InDesign, Illustrator, XD, Spark, Animate and Dreamweaver. In addition, the high demand skill of coding using HTML, CSS and some JavaScript will be covered.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Develop professional web and app graphics • Utilize software programs and apps to create custom animations • Simulate the work of a member of a web developing and design "team" to create professional digital designs and informative and interactive business sites • Participate in "Design" challenges and competitions <p>Activities:</p> <ul style="list-style-type: none"> • Daily assignments/projects • Oral presentations showcasing their designs • Individual and team projects • Create professional marketing designs, apps and web sites • Guest speakers/field trip when applicable <p>Fees & Supplies: \$7 Lab Fee includes computer related materials.</p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Computer Programming (BE124) Business Education and Marketing 1 9, 10, 11, 12 Algebra (505) <i>or</i> Algebra A (506) <i>and</i> Algebra B (507)
	<p>Description: This is a 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 the next level courses which are Video Game Programming and AP Computer Programming.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Identify the difference between hardware and software • Plan procedures to create a program to solve a problem • Apply arithmetic and relational operators in programming • Use decision making structures in code • Input data using assignment, and user interactive statements • Utilize a variety of loop structures • Use a variety of variable types to maximize storage and retrieval of values • Apply a variety of techniques to sort data • Design programs to include proper prompts and error traps • Demonstrate respect for the work of other technology users • Use form structures to accept user inputs • Use arrays to store and retrieve data <p>Activities:</p> <ul style="list-style-type: none"> • Guided practice programs (code and executables) • Written homework assignments • Tests and activities • Real-world programming project <p>Fees & Supplies: \$10 Lab Fee includes computer related materials. Also needed: binder, notebook, pencil and paper.</p> <p>Articulation: <i>This is a transcribed course with WCTC. (Students can earn 3 elective college credits.)</i></p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Video Game Programming (BE112) Business Education and Marketing 1 10, 11, 12 Algebra (505) <i>or</i> Algebra A (506) <i>and</i> Algebra B (507) <i>and</i> C or higher in Computer Programming (124)
	<p>Description: This course will explore the steps and concepts needed to design and create a game program. The theories involved with creating the game concept and the marketing plan for a game as well as the actual design and coding of the program will be investigated. Students will discuss the commands of the language software as well as troubleshoot errors in their programs. Students will create their own game concept and game as the course progresses.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Teamwork and communication skills necessary for a design team member • Identify characteristics that make a quality game • Identify societal issues regarding gaming • Use logical operations and mathematical statements to create working code in a program • Evaluation of game designs using established criteria • Explain and create action buttons, hyperlinks, and mouse over features in a program • Define and implement design and game elements into a working program • Troubleshoot errors in program code • Design, define and construct images and animation for games <p>Activities:</p> <ul style="list-style-type: none"> • Construct a quiz and puzzle style games • Design and create unique game idea and program • Analyze and create written reviews of games and game systems • Guided practice programs (code and executables) • Written homework assignments • Tests and quizzes <p>Fees & Supplies: \$10 Lab Fee includes computer related materials. Other supplies needed: binder, notebook, pencil and paper.</p>

<p>Course Title: Discipline: Credits: Grade Level: Prerequisites:</p>	<p>Advanced Placement Computer Science (BE125) Business Education and Marketing 2 (<i>Weighted grade – 5.0 scale</i>) 10, 11, 12 Advanced Algebra (504), Computer Programming (124) and Teacher Recommendation</p> <p>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 programming language JAVA. This course will prepare students to take the AP Computer Science exam in May.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Summarize the history of computing • Use algorithms to create programs • Use a variety of loop structures • Use recursion and searching programming • Learn to evaluate programs and debug them • Use Object Oriented Programming • Analyze different programming languages • Demonstrate the social and ethical impact of technology in society • Input data using assignment and user interactive statements <p>Activities:</p> <ul style="list-style-type: none"> • Guided Practice • In-Class Programming • Analytical writing and reading • Real-world programming project <p>Fees & Supplies: \$10 Lab Fee includes computer related materials. Also needed: binder, book cover, pencil and paper.</p>
<p>Course Title: Discipline: Credits: Grade Level: Prerequisites:</p>	<p>Accounting (BE100) Business Education and Marketing 1 10, 11, 12 None</p> <p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Learn the various steps of the accounting cycle and explain the purpose of each step • Use spreadsheet and accounting software to maintain accounting records and analyze the differences between manual and computerized accounting systems • Compare and contrast the differences between the accounting cycle for a proprietorship, partnership, and corporations • Prepare and explain the purpose of each financial statement • Prepare and maintain payroll records <p>Activities:</p> <ul style="list-style-type: none"> • Computer-based accounting projects • Written informational interview/occupational experience • Guided practice • Workbook activities • Simulation <p>Fees & Supplies: \$40 Lab Fee includes workbook, simulation, and other classroom materials. Also needed: school issued Chromebook and charger.</p> <p>Note: Advanced Standing with WCTC</p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Advanced Accounting (BE102) Business Education and Marketing 1 10, 11, 12 'B' or higher in Accounting (100) and consent of Instructor
	<p>Description: Students will utilize skills from Accounting at an advanced level by independently learning how to do accounting for corporations which includes preparing payroll records, financial statements, and simulations. Several microcomputer activities will be done using an automated accounting software package and Excel spreadsheets. Students enrolled in this course will need to demonstrate independent learning skills.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Explain the purpose of depreciation and prepare calculations • Prepare federal, state, and local payroll records and reports • Differentiate between State and Federal Income Tax forms and taxation at the personal and business levels • Apply and analyze corporate accounting procedures to record and report financial data for a business • Use advanced Excel spreadsheet and automated accounting software to maintain advanced accounting records and analyze the differences between manual and computerized accounting systems • Compare and contrast the differences between the accounting cycle for a proprietorship, partnership, and corporation <p>Activities:</p> <ul style="list-style-type: none"> • Computer-based accounting projects • Simulation • Written informational interview/occupational observation • Workbook activities <p>Fees & Supplies: \$35 Lab Fee includes workbook, simulation, and other classroom materials. Also needed: school issued Chromebook and charger.</p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Personal Finance (BE120) Business Education and Marketing 1 9, 10, 11, 12 None
	<p>Description: In the modern marketplace, students face more financial choices and dangers than any previous generation. This course will provide students a foundation in personal finance 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. Principles of money management and strategies for financial decision-making will be highlighted.</p> <p>Major units of study include money management and decision-making, managing credit, budgeting, purchasing a car and house, maintaining checkbooks and bank accounts, filing taxes, investments, consumer protection issues and frauds, insurance, and retirement options.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Understand the relationship between education, income, career, and desired lifestyle • Develop skills needed to identify, plan for and achieve financial goals • Demonstrate ability to use money management skills and strategies • Contrast/compare purposes, services and fees of financial institutions • Differentiate between various investment products • Identify, compare, and evaluate credit products and services • Explain how risk management strategies protect against financial loss • Identify personal tax obligations • Critical thinking skills for the marketplace • Decision-making skills <p>Activities:</p> <ul style="list-style-type: none"> • Budgeting and cash flow recording • Checkbook simulations • Guest speakers • Exploring community resources • Stock market simulation <p>Fees & Supplies: \$10.00 Lab Fee includes simulation materials. Also needed: calculator, loose-leaf paper, school issued Chromebook and charger, pencil.</p> <p>Articulation: <i>This is a transcribed course with WCTC. (Students earn 1 elective college credit.)</i></p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Marketing (BE119) Business Education and Marketing 1 9, 10, 11, 12 None
	<p>Description: Students in Marketing utilize skills they are learning across the curriculum. Marketing students actually run the school store (Charger Corner). They use the store as a hands-on learning lab where they practice selling, promotion, pricing, financing, product service management, and other marketing functions. Students gain an appreciation for principles of management and entrepreneurship as well as advertising, distribution, and marketing career opportunities.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Present a sales demonstration for a specific product • Develop and market a new product • Create an advertising campaign • Determine customer needs and wants • Calculate retail math • Develop a feature/benefit chart and a sales presentation • Analyze factors that influence a consumer’s decision to buy • Oral/written communications using multimedia tools • Management communication skills <p>Activities:</p> <ul style="list-style-type: none"> • Operate “Charger Corner” before and after school and during advisement (minimum 10-15 shifts) • Team and individual projects • Computer retail simulation • Professional sales presentation • Public relations project • Field trip • Guest speakers • Compete at DECA conference (optional) • Every marketing student is highly encouraged to join DECA (An association of marketing, management, and entrepreneurship students) <p>Fees & Supplies: \$15.00 Lab Fee includes simulation and other classroom materials. Also needed: school issued Chromebook and charger.</p> <p>Articulation <i>This is a transcribed course with WCTC. (Students can earn 3 elective college credits.)</i> Industry Certification: <i>Any student who earns a 70 or higher at the end of semester certification test receives industry certification in Marketing.</i></p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	<p style="text-align: center;">OFFERED IN 2023-2024</p> Entrepreneurship (BE126) Business Education and Marketing 1 9, 10, 11, 12 None
	<p>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 including (but not limited to): business operations, business ethics & legal responsibilities, managerial philosophies, human resources, financial management, marketing management, and innovation. Students in this class will not only learn about entrepreneurship but experience it firsthand through the creation of their own business plan.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Identify common traits, beliefs, and attitudes of entrepreneurs • Compare and contrast various forms of business ownership • Analyze the financial health of an organization • Analyze the impact of entrepreneurs in an economic system • Develop marketing strategies related to entrepreneurial ventures • Discuss the concept of innovation and its impact on business development • Discuss the role of ethics in entrepreneurship and business operations. <p>Activities:</p> <ul style="list-style-type: none"> • Guided practice and application activities • Presentations • Project-based learning (e.g., creating a business plan) • Computer-based simulation <p>Fees & Supplies: \$15.00 lab fee includes computer simulation.</p> <p>Articulation: <i>This is a transcribed course with WCTC. (Students earn 3 elective college credits.)</i></p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Finance Youth Apprenticeship (BE150) Business Education and Marketing 2 11 Consent of Extended Learning Coordinator and Business Education Instructor
	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. Student 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. NOTE: Students must provide their own transportation to and from their training station.
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Business Co-Op (BE107) Business Education and Marketing 1 or 2 12 Consent of Extended Learning Opportunities Coordinator and Instructor consent AND Computer Applications (110) or Accounting (100)
	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 of instructor to be accepted into the co-op program. Fees & Supplies: 1" three-ring binder NOTE: Students must provide their own transportation to and from their training station.

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Sports and Event Marketing (BE127) Business Education and Marketing 1 10, 11, 12 Marketing (119)
	Description: There is more to sports than statistics and who won the game! Look behind the scenes of multi-billion-dollar industries and find out the business side of sports, entertainment, and event planning. This course focuses on the marketing strategies of sports and entertainment activities/events. Students explore the content areas of event planning, sponsorships, public image, endorsements, legal issues, recreation marketing and the entertainment industry. Students will be strongly encouraged to join our student organization DECA.

COMMUNICATION ARTS

DEPARTMENT GOAL

To graduate from Hamilton High School, all 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 9 Honors in the freshman year, Honors European Literature in the sophomore year, Advanced Placement Language and Composition in the junior year, and Advanced Placement Literature and Composition 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, provided that prerequisites have been met. Please see the course description for details.
- 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, Oral and Interpersonal Communication, Contemporary Issues in Literature, World Literature and Cultural Studies (Traditional or Blended Format), College Reading and Writing (Traditional or Blended/Online), Advanced Placement Language & Composition, Advanced Placement Literature & Composition.

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 creative writing, drama performance, drama production, podcast/media production and filmmaking.

The Communication Arts curriculum has been designed to ensure that all students graduating from Hamilton High School 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.

RELATED CAREER PATHS

- | | | |
|----------------------------|------------------------|-------------------------|
| • Actress or Actor | • Librarian | • Receptionist |
| • Administrative Assistant | • Lyric & Song Writer | • Reporter |
| • Advertising | • Marketing | • Sales Manager |
| • Blogger | • Media Producer | • Salesperson |
| • Clergy | • Motivational Speaker | • Script Reader |
| • Counselor | • Paralegal | • Social Worker |
| • Director | • Personnel Manager | • Stage Technician |
| • Editor | • Poet | • Stenographer |
| • Essayist or Author | • Political Scientist | • Teacher |
| • Filmmaker | • Professor | • Training Professional |
| • Journalist | • Publicist | • Web Page Designer |
| • Judge | • Radio/TV Producer | • Writer |
| • Lawyer | | |
| • Lecturer | | |

Communication Arts Graduation Requirements

4 credits of COMMUNICATION ARTS are required for graduation:

1. Communication Arts 9 or Communication Arts 9 Honors
2. Communication Arts 10 or Communication Arts 10 Honors
3. A minimum of two credits (one junior year, one senior year) of the following:
 - Advanced Placement Language and Composition
 - Advanced Placement Literature and Composition (seniors only)
 - American Literature
 - College Reading and Writing
 - College Reading and Writing – Blended/Online (Seniors only)
 - Contemporary Issues in Literature
 - Oral and Interpersonal Communication
 - World Literature and Cultural Studies
 - World Literature and Cultural Studies – Blended/Online (Seniors onl)

A minimum of one (1) credit of Communication Arts must be taken each year of high school.

Communication Arts Elective Courses: (These classes are offered for enrichment and do not satisfy the one credit per year requirement for graduation.)

- Creative Writing
- Drama in Literature and Performance
- Drama in Literature and Production
- Film Production
- Podcasting and Media Production

Selecting classes 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.

Supply List for Communication Arts Courses:

- notebook
- folder or three-ring binder
- black or blue pens
- #2 pencils
- 3" x 5" or 4" x 6" note cards
- access to colored pens, markers, colored pencils and highlighters
- sticky notes (like post-It brand notes)

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

	Types of Reading	Types of Writing	Assignments and Other Tasks	Other Considerations
American Literature	American fiction, non-fiction, drama, poetry	analytical, argumentative, research	present an Ignite speech, individual and group presentations, class discussion, book project	
Contemporary Issues in Literature	20 th and 21 st century fiction, non-fiction, historical fiction, science fiction	analytical, creative, technical	write original fiction, individual and group presentations, class discussion	
World Literature and Cultural Studies (Traditional and Blended/Online)	historical fiction, mystery, poetry, drama, non-fiction	creative, analytical, argumentative	write an original mystery, individual and group presentations, class discussion	Blended/Online offered to Seniors only
Oral and Interpersonal Communication	non-fiction, speeches	technical, business, argumentative, analytical	Informative and persuasive speeches, group presentations, class discussion	Transcribed with WCTC
College Reading and Writing (Traditional and Blended/Online)	non-fiction, historical fiction, technical literature	nonfiction, memoirs and autobiographies, news media, and technical literature	write college-style assignments and complete technical research, individual and group presentations, class discussion	
AP Language and Composition	non-fiction	analytical, argumentative, research	write timed essays and prepare for AP test in May, individual presentations, class discussion	Weighted credit
AP Literature and Composition	short stories, drama, poetry, novels	analytical, research, literary	write timed essays and prepare for AP test in May, individual presentations, class discussion	Seniors only Weighted credit

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Communication Arts 9 (CA205) Communication Arts 1 9 None
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Critical reading on a variety of literary genres: a Shakespearean play, a novel, poetry, short stories, and nonfiction • Writing for a variety of purposes: summary, reflection, information, comparison and/or contrast, persuasion, and analysis • Instruction in standard English usage and grammar • Participating in class discussions, small group work, informal activities, and class readings • Preparing formal and informal presentations • Using research materials and maintaining an organized note-taking system for class and homework activities <p>Activities:</p> <ul style="list-style-type: none"> • Class discussion • Essays developed through the writing process • In class writing prompts • Research and organization • Formal speeches and small group presentations • Play, novel, poetry, short stories, and nonfiction works • Independent reading assignments, including an independent novel <p>Fees & Supplies: See supply list on page 3 for Communication Arts courses.</p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Communication Arts 9 Honors (CA206) Communication Arts 1 9 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.
	<p>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 explore 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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Critical reading of challenging literature • Writing for a variety of purposes including literary analysis • Application of research methodology <p>Activities:</p> <ul style="list-style-type: none"> • Class discussion • Individual and small group projects and presentations • Intensive reading and independent reading assignments (including an independent novel project) • Research • Extemporaneous writing and speaking • Essays developed through the writing process • Vocabulary expansion • Language study <p>Fees & Supplies: See supply list on page 3 for Communication Arts courses and a copy of No Fear Shakespeare: King Lear</p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Communication Arts 10 (CA202) Communication Arts 1 10 Communication Arts 9 (205)
	<p>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 an persuasive research paper of length with citations will be emphasized as well as analyzing a literary work of length.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Organization of formal essays utilizing the steps of the writing process • Critical reading to acquire information, to interpret and analyze fiction and nonfiction • Language study • Research • Writing and speaking to communicate with different audiences for a variety of purposes including to inform, describe, persuade, and analyze <p>Activities:</p> <ul style="list-style-type: none"> • Formal essay format • Research paper • Impromptu writing • Persuasive speech/debate • Independent reading assignments • Grammar and vocabulary quizzes <p>Fees & Supplies: See supply list on page 36 for Communication Arts courses.</p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Communication Arts 10 Honors (CA201) Communication Arts 1 10 'B' or higher in previous Communication Arts course and/or consent of instructor
	<p>Description: Honors European Literature 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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Listening and responding to others' opinions and evaluating those opinions during class or in online discussions • Writing an argument which is supported with persuasive evidence, counter arguments and opposing viewpoints to address audience and purpose • Studying and applying literary devices in various genres from a variety of authors • Applying critical theory through analysis of text • Reading, interpreting, and critically analyzing a variety of literary genres, time periods, and perspectives • Preparing formal and informal verbal presentations appropriate for specific purposes and audiences • Studying and applying grammatical and mechanical conventions <p>Activities:</p> <ul style="list-style-type: none"> • Class and online discussion • Formal and informal oral presentations • Analysis of speeches, political and philosophical works, newspaper/magazine articles, poems, fictional prose, as well as modern and Shakespearean drama • ACT-style timed writing prompts • AP Literature-style standardized tests • Essays developed through the writing process • Vocabulary, grammar, and mechanics quizzes and tests • Completing preliminary reading and writing assignments prior to the first day of class <p>Fees & Supplies: Students will need to obtain a copy of a novel for the preliminary reading assignment. For other supplies, see supply list on page 36 for Communication Arts courses.</p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Oral and Interpersonal Communication (CA224) Communication Arts 1 11, 12 Communication Arts 9 (205) and Communication Arts 10 (202)
	<p>Description: 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>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> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Researching and citing of source information • Refining formal writing skills of analysis and persuasion • Developing vocabulary and ability to use words by examining their origins, histories, connotations, and denotations • Analyzing communication situations • Applying non-verbal skills • Listening skills • Contributing to group/team tasks • Resolving conflicts within a group/team • Reading, interpreting, and analyzing a variety of American literature and historical contexts • Preparing formal and informal presentations that are organized, developed, and polished • Evaluating perception's impact on communication • Analyzing how culture/gender impacts communication • Presenting information orally to the class in formal/informal speeches • Developing strategies for overcoming communication obstacles <p>Activities:</p> <ul style="list-style-type: none"> • Reading of a variety of works of fiction and non-fiction • Formal prepared individual speeches to the class • Written responses developed through the writing process • Reading of an independent book • Performance assessment • 11th Grade District Writing Assessment • Post-secondary application/scholarship essay • Vocabulary development • Group work and discussion • Language study <p>Fees & Supplies: See supply list on page 36 for Communication Arts courses.</p> <p>Articulation <i>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.</i></p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	American Literature (CA204) Communication Arts 1 11, 12 Communication Arts 9 (205) and Communication Arts 10 (202)
	<p>Description: 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>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> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Researching and citing of source information • Refine formal writing skills of analysis and persuasion • Developing vocabulary and ability to use words by examining their origins, histories, connotations and denotations • Reading, interpreting and analyzing a variety of American literature and historical contexts • Preparing formal and informal presentations that are organized, developed and polished <p>Activities:</p> <ul style="list-style-type: none"> • Critical reading of a variety of American Literature • Formal and informal presentations • Essays developed through the writing process • Reading of an independent book • Performance assessment • 11th Grade District Writing Assessment • Post-secondary application/scholarship essay • Vocabulary development • Group work and discussion • Language study <p>Fees & Supplies: See supply list on page 36 for Communication Arts courses.</p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Contemporary Issues in Literature (CA207) Communication Arts 1 11, 12 Communication Arts 9 (205), Communication Arts 10 (202)
<p>Description: 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>This course will develop the student's ability for a more technical contemporary world. Technical writing, oral communication for business and technical presentation, and workplace communication skills are blended with contemporary fiction and non-fiction literature. Over the semester students work in a simulated workplace environment, blending traditional communication arts development with real world application. Web-based technical communication and media production tools are also infused throughout the course.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Analyzing and adapting for audiences, purposes, and situations • Creating technical documents that solve problems and improve situations through communication • Creating oral and written presentations • Critical reading to acquire information, interpret and analyze • Writing effectively in technical style • Designing convincing and usable technical documents • Working collaboratively in workplace groups • Researching for a variety of purposes • Using alternate media to enhance effective communication <p>Activities:</p> <ul style="list-style-type: none"> • 11th Grade District Writing Assessment • Post-secondary application/scholarship essay • Workplace simulation activities • Individual presentations • Pair or small group presentations • Reading a variety of literature • Employment application preparation • Web and media production exercises • Informal writing activities • Formal essays • Group discussion <p>Fees & Supplies: See supply list on page 36 for Communication Arts courses.</p>	

Course Title: Discipline: Credits: Grade Level: Prerequisites:	World Literature and Cultural Studies / Traditional Delivery Format (CA208) Communication Arts 1 11, 12 Communication Arts 9 (205), Communication Arts 10 (202)
<p>Description: 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>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-fictions.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Creating original texts in multiple genres • Examining ways in which authors use language, imagery, figures of speech, allusions, symbols, irony, and other devices • Investigation and reporting on ways in which a writer has influenced or been influenced by historical, social, and cultural issues or events • Organizing and developing oral and written formal presentations • Utilizing solid proofreading skills to identify correct grammar and usage weaknesses such as sentence structure, punctuation, spelling, etc. <p>Activities:</p> <ul style="list-style-type: none"> • Individual, pair, small and large group presentations • Reading and analyzing a variety of literature • Reading from a variety of genres including novels, short stories, plays and poetry • Research activities • 11th Grade District Writing Assessment (juniors only) • Post-secondary application/scholarship essay (seniors) • Impromptu writing responses • Formal essays developed through the writing process • Informal writing including notetaking, summary writing, and journaling • Independent reading assignments, including two independent novels • Workshop writing experiences • Self-pacing and time managements skills <p>Fees & Supplies: See supply list on page 36 for Communication Arts courses.</p>	

Course Title: Discipline: Credits: Grade Level: Prerequisites:	<p>World Literature and Cultural Studies/Blended-Online (CA220) Communication Arts 1 12 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> <p>Description: 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-fictions.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Creating original texts in multiple genres • Examining ways in which authors use language, imagery, figures of speech, allusions, symbols, irony, and other devices • Investigating and reporting on ways in which a writer has influenced or been influenced by historical, social, and cultural issues or events • Organizing and developing oral and written formal presentations • Producing a polished original work of fiction which may include a short story, character sketch, poetry, and satire/parody • Utilizing solid proofreading skills to identify correct grammar and usage weaknesses such as sentence structure, punctuation, spelling, etc. • Experimenting with technology to access, analyze, and produce coursework • Communicating with peers through several online resources <p>Activities:</p> <ul style="list-style-type: none"> • Individual, pair, small and large group presentations, using online resources, and/or virtual classrooms • Reading and analyzing a variety of literature • Reading from a variety of genres including novels, short stories, plays and poetry • Research activities • Post-secondary application/scholarship essay • Impromptu writing responses • Workshop writing experiences • Formal essays developed through the writing process • Informal writing including notetaking, summary writing, and journalizing • Independent reading assignments, including two independent novels • Electronic assignment uploads • Communication through email, instant chat, discussion boards, or virtually <p>Fees & Supplies: See supply list on page 36 for Communication Arts courses.</p>
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Course Title: Discipline: Credits: Grade Level: Prerequisites:	College Reading and Writing (CA218) Communication Arts 1 11, 12 Communication Arts 9 (205), Communication Arts 10 (202)
	<p>Description: 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>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> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Writing in a variety of situations (impromptu, over time, in collaboration, alone) and adapt strategies, such as revision, technology, and the use of reference materials, to the situation • Writing essays demonstrating the capacity to communicate knowledge, opinions, and insights to an intended audience through a clear thesis and effective organization of supporting ideas • Developing a composition through a series of drafts, using a revision strategy based on purpose and audience personal style, self-awareness of strengths and weaknesses as a writer, and feedback from peers and teachers • Producing a well-developed, well-organized, clearly written response in effective language and a voice appropriate for audience and purpose • Delivering a formal oral presentation appropriate to a specific purpose and audience • Developing and articulating, orally and in writing, defensible points of view on individual, community, national, and world issues reflected in literary and non-literary texts • Drawing on and synthesizing information from multiple sources when acquiring knowledge and developing a position on a topic of interest • Applying sophisticated word meanings and word analysis strategies, such as knowledge of roots, suffixes, and prefixes, to unfamiliar words. • Understanding the function of various forms, structures, and punctuation marks of standard American English and use them appropriately in written communications • Creating media products appropriate to audience and purpose <p>Activities:</p> <ul style="list-style-type: none"> • Produce a variety of written forms, including the argumentative essay, technical report, online forum posting/response, and business letter • Use critical reading strategies to comprehend and analyze essays and articles, determining author's intent and impact on audience • Apply research techniques to gather relevant information for synthesis projects • Use speaking and listening skills to take part in effective small group discussion and formal presentations • Reflect on learning throughout the semester to determine effective writing and studying techniques • 11th Grade District Writing Assessment • Post-secondary application/scholarship essay • Analyze nonfiction media sources to determine bias • Read and interpret an independent novel <p>Fees & Supplies: See supply list on page 36 for Communication Arts courses.</p>

Course Title:	College Reading and Writing/Blended-Online (CA217)
Discipline:	Communication Arts
Credits:	1
Grade Level:	12
Prerequisites:	Prerequisites: Communication Arts 9 (205), Communication Arts 10 (202), Internet and computer accessibility outside of school, and transportation to/from school

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.

Description:

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.

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.

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.

Skills learned, reinforced, advanced, and applied:

- Creating original texts in multiple genres
- Examining ways in which authors use language, imagery, figures of speech, allusions, symbols, irony, and other devices
- Investigating and reporting on ways in which a writer has influenced or been influenced by historical, social, and cultural issues or events
- Organizing and developing oral and written formal presentations
- Communicating with peers through several online resources
- Producing a polished original work of fiction which may include a short story, character sketch, poetry and satire/parody
- Utilizing solid proofreading skills to identify correct grammar and usage weaknesses such as sentence structure, punctuation, spelling, etc.
- Experimenting with technology to access, analyze, and produce coursework

Activities:

- Individual, pair, small and large group presentations, using online resources, and/or virtual classrooms
- Reading and analyzing a variety of literature
- Reading from a variety of genres including novels, short stories, plays and poetry
- Research activities
- Post-secondary application/scholarship essay
- Impromptu writing responses
- Workshop writing experiences
- Formal essays developed through the writing process
- Informal writing including notetaking, summary writing, and journalizing
- Independent reading assignments, including two independent novels
- Electronic assignment uploads
- Communication through email, instant chat, discussion boards, or virtually

Fees & Supplies: See supply list on page 36 for Communication Arts courses.

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Advanced Placement Language and Composition (CA221) Communication Arts 2 (Weighted Grades – 5.0 Scale) 11, 12 'B' or higher in previous Communication Arts course and/or consent of AP instructor
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Listening and responding to others' opinions and evaluating those opinions during class or online discussions • Writing an argument which is supported with persuasive evidence, counter arguments and opposing viewpoints to address audience and purpose • Writing analysis, synthesis, and persuasive responses to non-fiction literature • Studying and applying college-level vocabulary • Study and apply poetic devices in personal writing • Reading, interpreting, and critically analyzing a variety of non-fiction, autobiographies, and biographical works • Preparing formal and informal verbal presentations appropriate for specific audiences and purposes • Studying and applying grammatical and mechanical conventions as well as rhetorical devices • Integration of technology in written and oral projects • Synthesis of non-fiction material containing graphics and other non-print sources <p>Activities:</p> <ul style="list-style-type: none"> • Class and online discussion • Formal and informal oral presentations • Analysis of pamphlets, essays, speeches, political and philosophical works, newspaper/magazine articles and poems • Timed writing prompts • Diagnostic essay • Practice Advanced Placement Exams • Research-based synthesis essay • Essays developed through writing process • Vocabulary, grammar, and mechanics quizzes and tests • Written analysis of rhetorical devices in non-fiction works • Completing preliminary reading and writing summer assignment <p>Fees & Supplies: See supply list on page 36 for Communication Arts courses. Students will also be required to purchase an AP Language and Composition Exam preparation book.</p> <p>NOTE: The first semester credit satisfies a required English credit, and the second semester credit 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>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Advanced Placement Literature and Composition (CA222) Communication Arts 2 (<i>Weighted Grades – 5.0 Scale</i>) 12 'B' or higher in previous Communication Arts course and/or consent of AP instructor
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Listening and responding to others' opinions and evaluating those opinions during class or online discussions • Writing analytical prompts on literary elements (setting, plot, characterization, point-of-view, theme and author's style) • Studying and applying college-level vocabulary • Studying and applying literary devices in various genres from a variety of authors • Reading, interpreting, and critically analyzing a variety of literary genres and time periods • Preparing formal and informal verbal presentations appropriate for specific purposes and audiences • Studying and applying grammatical and mechanical conventions • Integrating technology in written and oral projects • Applying Bloom's Taxonomy in learning how to evaluate literary works <p>Activities:</p> <ul style="list-style-type: none"> • Class and online discussion • Formal and informal oral presentations • Analysis of poems, short stories, novels, plays, from a variety of authors and time periods • Essays developed through writing process • Timed writing prompts • Diagnostic essay • Practice Advanced Placement Exams • A preliminary reading and writing summer assignment • Vocabulary, grammar, and mechanics quizzes and tests • Integrating a variety of technologies for planning, composing, presenting, and collaborating <p>Fees & Supplies: See supply list on page 36 for Communication Arts courses. Students will be required to purchase Barron's AP Literature Preparation books.</p> <p>NOTE: The first semester credit satisfies a required English credit, and the second semester credit 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>

Communication Arts Electives

Note: These courses may be taken for elective credit. They do not satisfy the one Communication Arts credit per year requirement for graduation.

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Creative Writing (CA223) Communication Arts 1 10, 11, 12 Communication Art 9 (205) or Honors Communication Arts 9 (206)
<p>Description: 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> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Organizing, researching, and presenting on topics relating to authors' methods and techniques • Working in groups to compose, edit and revise pieces of writing • Analyzing and evaluating literary work for form and intent • Creative output in a variety of genres • Speaking skills through various activities • Focusing on precise language and conventions as a means of communicating specific ideas • Journal and personal writing skills <p>Activities:</p> <ul style="list-style-type: none"> • Creating images • Oral/written reports on creative topics • Producing poetry, short fiction, creative non-fiction, plays, and multi-media works • Preparing and formatting for publication • Creative games • Critically reading pieces of literature • Writing literary and researched analysis • Exploring technology as a meaning of creative output <p>Fees & Supplies: See supply list on page 36 for Communication Arts courses.</p>	
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Drama in Literature and Performance (CA209) Communication Arts 1 9, 10, 11, 12 None
<p>Description: Students will participate in a wide variety of activities related to dramatic literature and performance focusing on the development of their creative, analytical, interpersonal communication, and problem-solving skills. They will develop oral and written reports and perform in scenes and monologues. This class may be taken only once, though additional theater experience may be gained through independent study programs.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Organizing, researching, reporting skills through studying theater-related topics • Interpersonal communication skills through group improvisation, scene work, drama production • Analyzing and evaluating skills through observation of, reading of and performance of dramatic literature • Visualizing skills through development of scenes/play production • Speaking skills through various acting activities • Focusing on concentration skills through improvising, rehearsing and performing scenes • Journal and personal writing skills <p>Activities:</p> <ul style="list-style-type: none"> • Acting scenes • Designing productions • Oral/written reports on theater-related topics • Performing in a production • Improvisations • Play viewing and analysis • Writing monologues, dialogues, stories <p>Fees & Supplies: See Supply List for Communication Arts Courses on page 36.</p>	

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Drama in Literature and Production (CA210) Communication Arts 1 9, 10, 11, 12 None
<p>Description: This class meets on a non-traditional schedule and is conducted outside the traditional school day. Classes meet after school or in the evening on a fixed schedule to allow students to plan for and participate in other activities. Classes and workshops meet only two or three times a week, though for longer periods.</p> <p>Students will participate in a wide variety of activities related to dramatic literature and production focusing on the development of their creative, analytical, interpersonal communication, and problem-solving skills. They will develop oral and written reports and production skills in set design and construction, lighting design, sound reinforcement and design, costume design, make up, and theatre management. This class may be taken only once, though additional theater experience may be gained through independent study programs.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Organizing, researching, reporting skills through studying theater-related topics • Interpersonal communicating skills through team production design and work • Analyzing and evaluating skills through observation of, reading of and performance of dramatic literature • Visualizing skills through development of scenes/play production designs • Speaking skills through various presentation and directing activities • skills in set design and construction, lighting design, sound reinforcement and design, costume design, make up, and theatre management <p>Activities:</p> <ul style="list-style-type: none"> • Analyzing plays • Designing productions • Oral/written reports on theater-related topics • Set and scenery design and construction • Planning for performances • Lighting Activities • Sound activities • Play viewing and analysis <p>Fees & Supplies: See Supply List for Communication Arts Courses on page 36.</p> <p>NOTE: This class meets after the regular school day. A course schedule will be communicated by the teacher.</p>	

OFFERED 2023-2024

Course Title:
Discipline:
Credits:
Grade Level:
Prerequisites:

Film Production (CA219)
Communication Arts
1
9, 10, 11, 12
Communication Arts 9 (205)

Description:

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.

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.

Skills learned, reinforced, advanced and applied:

- Principles and techniques to effectively communicate in mass media
- Influences on film
- Principles and techniques to effectively communicate a narrative story visually
- History and development of the film industry and film itself as a medium
- Analyzing the cinematic elements within a film
- Evaluating visual storytelling in terms of plot, character, and theme
- Appraising how story is told through cinematic structure
- Recognizing the similarities and differences between productions on film and productions on digital formats
- Identifying the elements of a screenplay that make up mood and atmosphere
- Scriptwriting, storyboarding and blocking techniques
- Planning and oversight of short film projects in both documentary and narrative/dramatic forms
- Understanding the roles and hierarchy of a film production crew and be able to work in those roles as appropriate to the project
- Organizing a screenplay for scheduling and shooting purposes
- Recording and editing video and sound
- Editing a film with an eye towards matching actions, maintain screen direction and relationships, and establishing a rhythm and pace suitable to the material
- Creating completed film products
- Creating working DVDs
- Creating web-stream capable of final products
- Real-world industry skills and practices

Activities:

- Writing
- Computer simulations
- Guided practice
- Oral and visual presentations using various media
- Simulation activities
- Analyzing and critiquing
- Script writing
- Film productions
- Broadcast productions
- On-line/streaming productions

Fees & Supplies: \$20 Lab Fee for consumables. Also needed: folder, loose-leaf paper, pens, or pencils. Personal hard drive and all other equipment provided.

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Podcasting and Media Production (CA214) Communication Arts 1 9, 10, 11, 12 Communication Arts 9 (205)
	<p>Description: 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> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Using technology to acquire, organize, analyze, and communicate information • Developing various media products to inform or entertain others in school or the community • Creating media products appropriate to audience and purpose • Writing and editing of scripts for media production • Making informed judgments about media and products • Developing and applying criteria for evaluating a variety of mass media products • Analyzing the effect of media production techniques, such as music, vocal qualities, camera work, point-of-view, editing and pacing, special effects, and lighting on a variety of audiences • Analyzing and editing media work as appropriate to audience and purpose • Developing and applying evaluative criteria of accuracy and point of view to broadcast news programs • Demonstrating a working knowledge of effective interview practice • Demonstrating a working knowledge of media production and distribution • Evaluating the impact of market factors on the effectiveness of media production and distribution • Evaluating audience feedback on the clarity, form, effectiveness, technical achievement and aesthetic appeal of media work <p>Activities:</p> <ul style="list-style-type: none"> • Writing • Computer simulations • Guided practice • Oral and visual presentations using various media • Simulation activities • Analyzing and critiquing • Script writing • Radio Productions • Video productions • Cable television productions • Productions using various computer/web media <p>Fees & Supplies: Lab Fee \$20 for consumables – video tape, DVDs, batteries, etc. Folder, loose-leaf paper, pens or pencils, and computer flash drive are also needed. Personal hard drive and all other equipment provided.</p>

FAMILY AND CONSUMER SCIENCES

DEPARTMENT GOAL

Family and 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: problem-solving, evaluation, and inductive and deductive reasoning.

RELATED CAREER PATHS

Human Services

- Child Portrait Photographer
- Counselor
- Gerontologist
- Home Health Aide
- Juvenile Justice Attorney
- Private Nanny
- Psychologist
- Recreation Director
- Social Worker
- Therapist

Education and Training

- Child Care Director
- Child Care Teacher
- Coach
- Consultant
- Elementary School Teacher
- Family Support Specialist
- Guidance Counselor
- Health Educator
- Researcher
- Special Education Teacher
- Teacher's Assistant

Health Sciences

- Athletic Trainer
- Audiologist
- Dentist
- Dietitian
- Hospital Administration
- Imaging Technologist
- Medical Assistant
- Medical Lab Scientist
- Nurse
- Occupational Therapist
- Optometrist
- Paramedic
- Pharmacist
- Physical Therapist
- Physician
- Physician Assistant
- Psychiatrist
- Public Health Educator
- Speech Language Pathologist
- Surgeon
- Veterinarian

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Child Care Co-op (FC306) Family and Consumer Sciences 1 or 2 12 Students must have their ACCT certificate through DPI (earned in the Early Childhood Careers class) and consent of instructor
	<p>Description: 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> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Personal and professional development • Personal work habits and attitudes • Attendance record • Childcare teacher competencies • Portfolio development <p>Activities:</p> <ul style="list-style-type: none"> • On-the-job training and orientation • Self-evaluation <p>Fees & Supplies: Appropriate work attire.</p> <p>NOTE: Students must provide their own transportation to the job site.</p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Early Childhood Education (FC303) Family and Consumer Sciences 1 9, 10, 11, 12 None
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Critical reading • Use technology and other resources to gain information • Writing for a variety of purposes: summary, reflection, information, comparison and/or contrast, persuasion, and analysis • Develop a cultural awareness and understanding of differences in education around the world • Participate in class discussions, small group work, and informational or play activities. <p>Activities:</p> <ul style="list-style-type: none"> • Unit projects • Field trips • Self-evaluations • Lesson plan development • Preschool classroom budgeting • Guest speakers <p>Fees & Supplies: Pens, pencils, 2 highlighters, 2" binder or folder, spiral notebook, and other additional materials necessary to complete classroom projects. Field trip fees as needed.</p> <p>Articulation 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>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Early Childhood Development (FC304) Family and Consumer Sciences 1 9, 10, 11, 12 None
	<p>Description: 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> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Critical reading • Using technology and other resources to gain information • Writing for a variety of purposes: summary, reflection, information, comparison and/or contrast, persuasion, and analysis • Participating in class discussions, small group work, and informal activities • Cultural awareness and understanding of differences in children around the world <p>Activities:</p> <ul style="list-style-type: none"> • Unit projects • Self and peer evaluations • Field trips • Lesson plan development • Role playing • Guest speakers • Examine real life studies of child development <p>Fees & Supplies: Pens, pencils, 2 highlighters, 2" binder or folder, spiral notebook, and other additional materials necessary to complete classroom projects. Field trip fees as needed.</p> <p>Articulation 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>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Early Childhood Careers /ACCT Certification (FC302) Family and Consumer Sciences 1 11, 12 (or turning 17 during the semester the class is offered) Successful completion of Early Childhood Education (303)
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Personal and professional development • Attendance accountability • Assistant childcare teacher competencies • Shaken baby syndrome training • Child abuse and neglect training • Mandated Reporter training • Resume building and interviewing strategies • Working collaboratively with others • Building relationships with children and their families <p>Activities:</p> <ul style="list-style-type: none"> • Lesson planning • Lesson plan implementation • Observations and reflections • Creating a classroom community • Read aloud and sing along in a classroom setting <p>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.</p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Medical Terminology (FC301) Family and Consumer Sciences 1 10, 11, 12 Culture of Healthcare recommended OR instructor consent (312) (Biology recommended)
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Apply the rules of medical language to build terms • Interpret medical terms related to specific and general body systems • Solve personal, academic, and professional problems using disciplinary concepts and frameworks <p>Activities:</p> <ul style="list-style-type: none"> • Written, oral and/or presentations • Research references • Use of medical documentation • Case studies • Analysis of medical terms used in current communication genre • Guest speakers • Application of oral and written communication to learning activities <p>Fees & Supplies: \$40 textbook fee for access to electronic textbook from WCTC, field trip fees as needed, a 2" binder, and a lined notebook.</p> <p>Articulation: <i>This is a scripted course with WCTC.</i></p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Culture of Healthcare (FC312) Family and Consumer Sciences 1 9, 10, 11, 12 None
	<p>Description: 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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Learn to use verbal, non-verbal, and written communication effectively in professional interactions • Research the role of ethical behavior in regard to the healthcare industry • Research barriers to effective communication and how to overcome them • Begin to understand and use relevant medical terminology • Research the role of government regulatory healthcare agencies • Research various career pathways in healthcare <p>Activities:</p> <ul style="list-style-type: none"> • Explore community healthcare resources available • Research communication techniques • Investigate current issues regarding healthcare • Participate in project-based learning experiences • Analyze personal aptitudes and interests • Engage with guest speakers • Apply effective oral and written communication to learning activities <p>Fees & Supplies: Field trip fees as needed and a 1 ½" binder.</p> <p>Articulation: <i>This is a scripted course with WCTC.</i></p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Health Youth Apprenticeship (FC311) Family and Consumer Sciences 2 11,12 Consent of Extended Learning Opportunities Coordinator
	<p>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 well as with an employer in the health field. If hired, the student becomes part of the apprenticeship program.</p> <p>NOTE: Students must provide their own transportation to their work sites. 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 job.</p>

Fitness Education

Graduation requirements - All students are required to pass both the Personal Fitness Grade 9 and the Fitness/Health Grade 10 courses 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 requirement for Health.

For FAILURES in ANY of the above 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 \$5.00.

RELATED CAREER PATHS

- | | | |
|--|---|--|
| <ul style="list-style-type: none"> • Athlete • Athletic Coach • Athletic Trainer • Bacteriologist • Chiropractor • Dental Assistant • Dental Hygienist • Dentist • Dietician • Exercise Physiologist • Fitness Educator • Health Educator • Health Statistician | <ul style="list-style-type: none"> • Kinesiology • Lab Technician • Lifeguard • Model • Nurse • Nutrition Specialist • Occupation Therapist • Organic Chemist • Orthopedist • Osteopath • Personal Trainer • Physical Therapist | <ul style="list-style-type: none"> • Public Health • Recreation Leader • Sanitary Engineer • Social Worker • Speech Pathologist • Sportswriter • Swimming Instructor • Teacher • Umpire • Veterinarian • Virologist • X-Ray Technician |
|--|---|--|

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Personal Fitness 9 (FE409) Fitness Education 1 9 None
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Apply the principles of training • Understand health-related and skill-related fitness • Set goals to improve fitness levels and monitor progress • Understanding nutritional recommendations • Understand how exercise affects the body • Understand stress management • Apply guidelines for exercise • Design fitness plans <p>Activities:</p> <ul style="list-style-type: none"> • Variety of physical activity units • Self, peer and teacher assessments • Use of heart rate monitors • Tests and quizzes, including fitness testing • Class projects and assignments <p>Fees & Supplies: \$15 field trip fee. Students will be required to have a three-ring binder (1½ inches in width).</p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Fitness/Health 10 (FE402) Fitness Education 1 10 Personal Fitness 9 (409)
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Achieve a health-enhancing level of fitness • Link activity with active lifestyle • Demonstrate responsible social behavior • Understand activity provides enjoyment, challenge, social interaction and self-expression • Demonstrate respect for differences among people • Demonstrate competency and proficiency in movement forms • Comprehend health promotion and disease prevention concepts • Demonstrate the ability to access valid health information • Demonstrate health-enhancing behaviors • Analyze the influence of culture, media, and technology on health • Demonstrate interpersonal communication skills • Demonstrate goal-setting and decision-making skills • Demonstrate the ability to advocate for personal, family and community health <p>Activities:</p> <ul style="list-style-type: none"> • Ethnic dance and individual, dual, and team sport activities • Fitness testing and goal setting • Cooperative learning • Peer and teacher assessments • Quizzes and tests • Term and final exams • Assignments and projects <p>Fee: \$15 fee covers CPR certification and masks. Students will become certified in adult, child and infant CPR and <i>automated external defibrillator (AED)</i> through the American Heart Association.</p>

<p>Course Title: Discipline: Credits: Grade Level: Prerequisites:</p>	<p>Health 10 – Alternative (FE417) Fitness Education .5 10 Personal Fitness 9 (409) & completion of an HHS WIAA sanctioned activity during freshman year including HHS Poms and Cheerleading</p>
	<p>Description: Fitness 10 is comprised 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 freshmen 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> <ul style="list-style-type: none"> • 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. • Please note: Attendance is mandatory. A maximum of two absences are permitted in the summer, no exceptions. <p>The traditional Fitness 10 course will continue to be offered as it previously has been to all sophomore students.</p> <p>Skills learned, reinforced, advanced and applied: See Fitness/Health 10 (402)</p> <p>Activities: See Fitness/Health 10 (402)</p>
<p>Course Title: Discipline: Credits: Grade Level: Prerequisites:</p>	<p>Modified Fitness/Health (FE406) Fitness Education 1 9, 10, 11, 12 Only through recommendation</p>
	<p>Description: 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. ***This course may fulfill a requirement for Fitness Education and Health needed for graduation.***</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Achieve a health-enhancing level of fitness • Link activity with active lifestyle • Comprehend health promotion and disease prevention concepts • Demonstrate responsible social behavior • Understand activity provides enjoyment, challenge, social interaction, and self-expression • Demonstrate respect for differences among people • Demonstrate health-enhancing behaviors • Demonstrate interpersonal communication skills • Demonstrate goal-setting and decision-making skills • Demonstrate the ability to advocate for personal, family and community health

OFFERED IN 2023-2024

Course Title: Individual/Dual Sports (FE404)
Discipline: Fitness Education
Credits: 1
Grade Level: 11, 12
Prerequisites: Personal Fitness 9 (409) and Fitness/Health 10 (402)

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.

Skills learned, reinforced, advanced and applied:

- Improve personal health-related fitness through daily exercise regimen
- Improve performance of skill-related fitness through the techniques used in a wide variety of sport activities
- Sustain and upgrade an exercise period of 60-75 leaders' minutes
- Advance technical skills and movements
- Understand and utilize multiple tactical strategies
- Develop a deeper understanding of partner (chemistry) dynamics
- Demonstrate an ability to remain stable, mentally and emotionally
- Enhance leadership skills with team
- Enhance fitness through sport

Activities:

- Self, peer, and teacher assessment on improvements in technique and strategy
- Written tests

Fees & Supplies: \$50.00 field trip fee, appropriate workout clothes, pen/pencil, and notebook

OFFERED IN 2023-2024

Course Title: Lifetime Fitness (FE416)
Discipline: Fitness Education
Credits: 1
Grade Level: 11, 12
Prerequisites: Personal Fitness 9 (409) and Fitness/Health 10 (402)

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.

Skills learned, reinforced, advanced and applied:

- Sustain a total body workout incorporating the following: BOSU Trainers, Body Bars, Stability Balls, Medicine Balls, Ladders, Hurdles, Resistance Bands, Jump Ropes, Cardio Equipment, and free weights, Yoga, Pilates, Zumba, and Step aerobics.
- Students will also have a focus on nutritional concerns, which will incorporate the following: compare and contrast different diets and trends, analyze personal diets, understand and compare food labels, and meal planning.
- Students will explore and compare outside fitness sources

Activities:

- Class participation/Daily workouts
- Goal setting
- Various assignments and projects
- Self and teacher assessments

Fees & Supplies: Appropriate workout clothes, pen/pencil, and notebook

OFFERED IN 2023-2024

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Performance Conditioning 3 or 4 (FE 420 – 1 credit / FE 420 & FE421 – 2 credits) Fitness Education 1 or 2 11, 12 Personal Fitness 9 (409) and Fitness/Health 10 (402)
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Weight room, variable resistance training, resistance training, functional movement patterns, ladders, various cone drills, medicine balls, battle ropes, core rollers, flex band training. • Sustain a 60-minute training regimen. • Knowledge of weight training principles, techniques, safety and exercise. • Assessment of technique and goal achievement. • Students will be introduced to components that encourage personal growth, responsibility, and character building. • Students will develop self-directed independence in accomplishing daily tasks. • Students will plan and work cooperatively in diverse groups to improve leadership skills. • Students will demonstrate the ability to analyze and apply nutritional principles into their daily lives. <p>Activities:</p> <ul style="list-style-type: none"> • Class participation/daily workouts • Self and peer assessment as well as goal setting and achievement. • Various nutritional and leadership activities and assignments. <p>1 or 2 credits option:</p> <ul style="list-style-type: none"> • 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). <p>Fees & Supplies: Appropriate workout clothes, pen/pencil, and notebook</p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Team Sports (FE411) Fitness Education 1 11, 12 Personal Fitness 9 (409) and Fitness/Health 10 (402)
	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.
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Fitness Fusion (FE414) Fitness Education 1 11, 12 Personal Fitness 9 (409) and Fitness/Health 10 (402)
	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.
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Performance Conditioning 1 or 2 (FE 418 – 1 credit / FE418 & 419 – 2 credits) Fitness Education 1 or 2 11,12 Personal Fitness 9 (409) and Fitness/Health 10 (402)
	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.

INTEGRATED STUDIES

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Academic Teaching Assistant (9000) Cross-Categorical 1 12 3.0 GPA and Signature of Alternative Program Coordinator, Completion of the Volunteer Letter of Understanding and a Successful Background Check
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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.

Skills learned, reinforced, advanced and applied:

- Interpersonal skills
- Research, formal lesson planning and presentation
- Career responsibility skills
- Technology application

Activities:

- Weekly on-line discussions
- Formal lesson planning, delivery, and reflection
- Daily attendance in mentor's classroom
- Semester-long portfolio compilation
- Daily active involvement in mentor's classroom
- Semester final paper
- Weekly check-in with supervisor

Fees & Supplies:

NOTE: *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. No student will be allowed to add an academic assistant placement after the beginning of the school year. All placements will be made from those registering in the spring of the previous school year.*

MATHEMATICS

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 (Aspire—grade 9, Aspire – grade 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 in 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 predicted on 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.)

Freshman	Sophomore	Junior	Senior
Algebra (1)	Geometry (1)	Advanced Algebra (1) or Advanced Algebra & Advanced Topics in Mathematics (2)	<i>One of the following:</i> <ul style="list-style-type: none"> • Pre-Calc I & AP Stats (3) • Pre-Calc I & Pre-Calc II (2) • AP Stats (2) • Pre-Calc I (1) • Advanced Topics in Mathematics (1)
Geometry (1) Or Algebra & Geometry (2)	Advanced Algebra (1)*	Pre-Calc I & Pre-Calc II (2)*	AP Calculus (2)*
Algebra (1) Or Algebra A & B (2)	Geometry (1) Or Geometry Concepts & Geometry (2)	Intermediate Algebra & Advanced Algebra (2)	One of the following: <ul style="list-style-type: none"> • Advanced Topics in Mathematics (1) • Math & Logic (1) • Business Math (1)
Algebra (1) Or Algebra A & B (2)	Geometry (1) Or Geometry Concepts & Geometry (2)	Intermediate Algebra (1)	One of the following: <ul style="list-style-type: none"> • Advanced Algebra (1) • Math & Logic (1) • Business Math (1)

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

RELATED CAREER PATHS

- | | | |
|--|--|---|
| <ul style="list-style-type: none"> • Accountant • Actuary • Airplane Pilot • Architect • Bank Officer • Broadcast Technician • Carpenter • Chemist • Commercial Drafter • Computer Science | <ul style="list-style-type: none"> • Data Analyst • Economist • Electrical Engineer • Electrician • Electronic Technician • Financial Analyst • Information Technology • Insurance Salesperson • Loan Officer • Machinist • Mechanical Engineer | <ul style="list-style-type: none"> • Meteorologist • Navigator • Network Specialist • Optometrist • Plumber • Real Estate Agent • Scientist • Statistician • Surveyor • Teacher/Professor • Technical Engineer |
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Course Title: Discipline: Credits: Grade Level: Prerequisites:	Algebra (MA505) Mathematics 1 9, 10, 11, 12 'C-' or better in previous math course or previous math teacher recommendation
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Use reason and logic • Analyze non-routine problems and arrive at solutions • Communicate math concepts orally and in writing • Apply and explain the special properties of the real system • Represent and analyze exponents • Write and solve linear equations and inequalities • Apply basic algorithms to simplify expressions including polynomials • Use linear equations in a variety of ways • Analyze quadratic equations to solve them number • Solve a system of two linear equations • Verify results of calculations with technology • Recognize and use connections in Algebra <p>Activities:</p> <ul style="list-style-type: none"> • Guided practice • Exploratory activities • Technology applications • Analytical reading and writing <p>Fees & Supplies: Binder, book cover, pencil, paper, and TI-83 Plus or TI-84 calculator.</p> <p>NOTE: Algebra is required to graduate</p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Algebra A (MA506) Mathematics 1 9, 10, 11, 12 None
	<p>Description: See Algebra B (507)</p> <p>Fees & Supplies: Binder, book cover, pencil, paper and TI-83 Plus or TI-84 calculator.</p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Algebra B (MA507) Mathematics 1 9, 10, 11, 12 Algebra A (506)
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Use reason and logic • Analyze non-routine problems and arrive at solutions • Communicate math concepts orally and in writing • Apply and explain the special properties of the real system • Represent and analyze exponents • Write and solve linear equations and inequalities • Apply basic algorithms to simplify expressions including polynomials • Use linear equations in a variety of ways • Analyze quadratic equations to solve them • Solve a system of two linear equations • Verify results of calculations with technology • Recognize and use connections in Algebra <p>Activities:</p> <ul style="list-style-type: none"> • Guided practice • Exploratory activities • Technology applications • Analytical reading and writing <p>Fees & Supplies: Binder, book cover, pencil, paper and TI-83 Plus or TI-84 calculator.</p> <p>NOTE: Algebra A (506) and Algebra B (507) combined are equivalent to Algebra (505), which then meets the graduation requirement.</p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Geometry (MA518) Mathematics 1 9, 10, 11, 12 Algebra (505) or Algebra A (506) & Algebra B (507)
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Determine measurements indirectly using ratio and proportion, geometric formulas, and the Pythagorean Theorem • Recognize properties and relationships between two and three-dimensional figures • Draw and/or construct physical models from given information • Describe and analyze transformations of two-dimensional figures • Make conjectures using logical reasoning • Use geometric models to solve mathematical and real-world problems • Prove simple statements in geometry such as the congruence of triangles • Apply valid forms of deductive reasoning • Use algebra and graphing skills to determine slopes, intercepts, midpoints, distance, parallelism and perpendicularity • Identify and demonstrate an understanding of the three ratios used in right-triangle trigonometry (sine, cosine, tangent) <p>Activities:</p> <ul style="list-style-type: none"> • Guided practice • Exploratory activities • Technology application • Analytical reading and writing <p>Fees & Supplies: Geometry template (available in school store), binder, book cover, pencil, paper and TI-83 Plus or TI-84 calculator.</p> <p>NOTE: Geometry is required to graduate.</p>

Course Title:	Geometry Concepts (MA521)
Discipline:	Mathematics
Credits:	1
Grade Level:	10, 11, 12
Prerequisites:	Algebra (505) or Algebra A (506) & Algebra B (507)

Description:

Students will develop skills for drawing, measurement, and visualization of two and three-dimensional figures. This class gives the student the opportunity to learn and apply the many ways geometry is used in the real world by using a hands-on approach with less emphasis on proofs. ***This class is not accepted by universities or colleges as a regular geometry credit, nor does it meet Hamilton's graduation retirement.*** It is expected that students will take Geometry (518) after this course in preparation for graduation and/or college admissions.

Skills learned, reinforced, advanced and applied:

- Determine measurements directly with specified degree of accuracy
- Determine measurements indirectly using ratio and proportion (similarity) or formulas to derive lengths such as the Pythagorean relationship
- Apply geometric formulas to derive lengths, areas, volumes of shapes and objects (cones, parallelograms, cylinders, pyramids)
- Geometric relationships of circles and polygons
- Draw and construct two and three-dimensional figures based on specifications
- Use algebra and graphing skills to determine slopes, midpoints, parallelism, and perpendicularity
- Basic understanding of the three trig ratios of sine, cosine and tangent
- Make conjectures using logical reasoning skills

Activities:

- Guided practice
- Exploratory activities
- Technology application
- Analytical reading and writing

Fees & Supplies: Geometry template (available in school store), binder, book cover, pencil, paper, and a scientific calculator (must have sin, cos and tan keys)

NOTE: Students may continue to use their graphing calculator from Algebra instead of purchasing a scientific calculator

Course Title:	Intermediate Algebra (MA523)
Discipline:	Mathematics
Credits:	1
Grade Level:	10, 11, 12
Prerequisites:	Geometry (518)

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).

Skills learned, reinforced, advanced and applied:

- Recognize and use linear and exponential polynomial functions
- Solve a system of multiple linear equations
- Solve a system of multiple linear inequalities by graphing
- Recognize and apply the properties and inequalities representations of powers
- Recognize and apply different methods to find rational roots of polynomials
- Use problem-solving approaches to investigate and understand mathematical content
- Use tables and graphs as tools to interpret expressions, equations, and

Activities:

- Guided practice
- Exploratory activities
- Technology applications
- Analytical reading and writing

Fees & Supplies: Binder, book cover, pencil, paper, and TI-83 Plus or TI-84 calculator.

NOTE: Intermediate Algebra can be used to fulfill graduation requirements.

<p>Course Title: Advanced Algebra (MA504) Discipline: Mathematics Credits: 1 Grade Level: 9, 10, 11, 12 Prerequisites: 'B-' or higher in Algebra (505) and Geometry (518) or 'C-' or higher in Intermediate Algebra (523)</p>	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Recognize and use linear, exponential polynomial and logarithmic functions • Solve a system of multiple linear equations • Represent and solve problems using linear equations • Solve a system of linear inequalities • Apply and solve problems using the basic trigonometry functions, sine, cosine, and tangent in right triangles • Develop and perform operations on the complex number system • Perform operations with matrices, including solving equations and systems of equations • Identify and graph direct, inverse, and combined variations • Recognize and apply the properties and representations of powers <p>Activities:</p> <ul style="list-style-type: none"> • Guided practice • Exploratory activities • Technology applications • Analytical reading and writing <p>Fees & Supplies: Binder, book cover, pencil, paper and TI-83 Plus or TI-84 calculator.</p>
<p>Course Title: Advanced Topics in Mathematics (MA524) Discipline: Mathematics Credits: 1 Grade Level: 10, 11, 12 Prerequisites: 'C' or higher in Advanced Algebra (504)</p>	<p>Description: Students will expand their scope and knowledge of topics in college-level mathematics. This course is designed for students who have successfully complete Advanced Algebra (504) and want an additional math credit. Students may also take Advanced Topics as a preparation for Pre-Calculus 1: Functions and Trigonometry (517).</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Review and extend basic concepts of Algebra • Identify and manipulate real and irrational numbers of using operations, properties and application • Reinforce, extend, and apply trigonometry ratios to trigonometry identities, equations, and "real-world" applications • Review and extend concepts of Geometry • Recognize and apply linear, quadratic, exponential and logarithmic functions • Understand probability including counting, permutations, combinations, and expected value • Understand statistics including dispersion, percentiles, data displays and the normal curve • Apply critical thinking and problem-solving skills • Explore topics in consumer math including compound interest and installment loans • Explore topics in Logic and create and use Truth Tables to draw a conclusion. <p>Activities:</p> <ul style="list-style-type: none"> • Guided practice • Exploratory activities • Technology applications • Analytical reading and writing <p>Fees & Supplies: Binder, book cover, pencil, paper and TI-83 Plus or TI-84 calculator.</p>

<p>Course Title: Discipline: Credits: Grade Level: Prerequisites:</p>	<p>Pre-Calculus I: Functions and Trigonometry (MA517) Mathematics 1 10, 11, 12 'B' or higher in Advanced Algebra (504) or 'C' or higher in Advanced Topics (524)</p> <p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Students will review real numbers, the Cartesian coordinate system, solving linear equations and inequalities algebraically and graphically, lines in a plane and complex numbers. • Students will explore different methods of modeling functions and graphs • Students will investigate polynomial, power and rational functions and their applications • Students will examine exponential, logistic and logarithmic functions and their applications • Students will explore trigonometric functions and their graphs to model applications • Students will prove trigonometric identities through deductive reasoning <p>Activities:</p> <ul style="list-style-type: none"> • Guided practice • Technology applications and advancements • Reading and written interpretations <p>Fees & Supplies: Binder, book cover, pencil, paper, and TI-83 Plus or TI-84 calculator.</p>
<p>Course Title: Discipline: Credits: Grade Level: Prerequisites:</p>	<p>Pre-Calculus II: Discrete Mathematics (MA515) Mathematics 1 10, 11, 12 Pre-Calculus I (517)</p> <p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Students will be able to use trigonometry in a variety of applications. • Students will be able to solve systems of equations in inequalities using a variety of methods. • Students will be able to comprehend and use logical statements to construct valid arguments. • Students will be able to analyze different statistical applications. They will be able to examine sequences, series and use mathematical induction to prove statements. • Students will be able to evaluate limits involving instantaneous rates of change and area. They will be able to investigate one- and two-sided limits and calculate numerical derivatives and integrals. • Students will be able to analyze and transform conic sections. They will be able to convert between Polar and rectangular coordinate systems. They will be able to calculate and graph in a three-dimensional axis. <p>Activities:</p> <ul style="list-style-type: none"> • Guided practice • Exploratory activities • Technology applications • Analytical reading and writing <p>Fees & Supplies: Binder, book cover, pencil, paper and TI-83 Plus or TI-84 calculator.</p>

Course Title:	Advanced Placement Calculus (MA500)
Discipline:	Mathematics
Credits:	2 (<i>Weighted grades – 5.0 scale</i>)
Grade Level:	10, 11, 12
Prerequisites:	Pre-Calculus I (517) and Pre-Calculus II (515) or teacher recommendation

Description:

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.

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 and understanding the material.

Skills learned, reinforced, advanced and applied:

- Graph, discuss and interpret various functions
- Translate and rotate axes to graph and simplify graphing of functions
- Apply limit theorems and demonstrate knowledge of situations applying limits
- Recognize statements of continuity, theorems, and special limits
- Define the derivative in terms of limit and apply derivatives of all elementary functions and their sums, products and quotients
- Apply the chain rule of composite functions and the technique of implicit differentiation
- Identify derivatives of special functions and higher order derivatives
- Apply derivatives and anti-derivatives to velocity and acceleration situations
- Identify anti-derivatives using “reverse” chain rule or “reverse” product rule to various situations
- Apply and define and give examples of basic integration theorem and techniques of integration
- Integration by substitution and by parts
- Apply integration to areas, limit of sum, and the fundamental theorem of Calculus

Activities:

- Guided practice
- Exploratory activities
- Technology applications
- Analytical reading and writing

Fees & Supplies: Binder, book cover, pencil, paper and TI-83 Plus or TI-84 calculator.

Course Title:	Advanced Placement Statistics (MA503)
Discipline:	Mathematics
Credits:	2 (<i>Weighted grades – 5.0 scale</i>)
Grade Level:	10, 11, 12
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 first semester

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.

Skills learned, reinforced, advanced and applied:

- Describe the role of statistics in society
- Gather, evaluate, summarize, and display data
- Calculate and explain measures of central tendency, dispersion and position
- Apply and simulate situations involving probability
- Apply formulas related to probability distributions
- Construct confidence intervals for means and proportions, and for the differences between means and proportions
- Formulate and test hypotheses concerning means and proportions for a variety of populations and samples
- Formulate and test hypotheses involving contingency tables and linear regressions
- Conduct an experiment
- Communicate mathematical reasoning verbally **and in writing**

Activities:

- Guided practice
- Explanatory activities
- Technology applications
- Analytical reading and writing

Fees & Supplies: Binder, pencil, paper, TI-84 or TI-84 Plus calculator, current edition of Barron’s AP Statistics.

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Math with Business Applications (MA513) Mathematics 1 11, 12 Intermediate Alg. (523) or consent of instructor.
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Accurately add, subtract, multiply, and divide fractions and decimals • Convert from decimals to fractions and fractions to decimals • Correctly calculate problems involving percent • Compute payroll information • Use the simple interest formula accurately • Compute compound interest • Calculate the present value of an annuity • Compute depreciation using several different methods • Calculate trade discounts and retail markups • Use appropriate tables to determine income, sales, and property taxes • Analyze a balance sheet and income statement • Calculate life and fire insurance premiums <p>Activities:</p> <ul style="list-style-type: none"> • Analytical reading and writing • Real-world projects and applications • Guided practice <p>Fees & Supplies: Binder, pencil, paper, and scientific calculator.</p> <p>NOTE: This course is not intended for students planning to attend a 4-year college</p> <p>Articulation: <i>This is a scripted course with WCTC.</i></p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Math and Logic (MA528) Mathematics 1 11, 12 Intermediate Alg. (523) or consent of instructor.
	<p>Description: This WCTC scripted-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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Apply principles of set theory • Apply symbolic logic principles • Analyze Boolean algebraic expressions • Convert between number bases • Perform arithmetic functions in various number systems • Solve algebraic problems using real-valued functions Two unique types of algebraic problems we will look at: <ul style="list-style-type: none"> ○ Analyze graphs to determine range and domain ○ Determine sequences and patterns • Utilize heuristic tools for problem-solving <p>Activities:</p> <ul style="list-style-type: none"> • Analytical reading and writing • Project-based learning <p>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</p> <p>Articulation: <i>This is a scripted course with WCTC.</i></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
- Goal setting
- Listening
- Leadership
- Creativity
- Self-assessments
- Group assessments
- Performance evaluations

RELATED CAREER PATHS

- | | | |
|---|---|---|
| <ul style="list-style-type: none">• Actor• Actress• Announcer• Band Director• Choral Director• Clergy• Comedian• Composer• Concert Singer• Dancer• Dramatic Reader• Education Director | <ul style="list-style-type: none">• Guitarist• Impression Artist• Music Arranger• Music Critic• Music Director• Music Librarian• Music Supervisor• Musical Entertainer• Musician• Music Therapist• Occupational Therapist | <ul style="list-style-type: none">• Orchestra Director• Pianist and Organist• Piano Technician/Tuner• Popular Singer• Radio/Television Director• Record Producer• Recreational Therapist• Salesclerk• Sales Manager• Teacher |
|---|---|---|

GENERAL MUSIC

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Guitar/Music Lab (MU56) Music 1 9, 10, 11, 12 None
<p>Description: Students will have the opportunity to learn the <i>basics</i> 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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> ● See introduction to the Music Department. <p>Activities:</p> <ul style="list-style-type: none"> ● Large group/individual instruction ● Small ensembles <p>Fees & Supplies: \$30.00 lab fee includes required workbook/text. Acoustic guitars only – no electrics. Guitars must be provided by each student.</p>	
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Advanced Guitar (MU50) Music 1 9, 10, 11, 12 B- or higher in Guitar (56) <i>or</i> consent of instructor
<p>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 technology to apply the concepts of composition and notation. Students will participate in small ensembles when appropriate. Students must provide their own acoustic guitar.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> ● See introduction to the Music Department. <p>Activities:</p> <ul style="list-style-type: none"> ● Small group/individual instruction ● Small ensembles <p>Fees & Supplies: \$30.00 lab fee includes required workbook/text. Acoustic guitars only – no electrics. Guitars must be provided by each student.</p>	

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Piano: Beginning Level (MU57) Music 1 9, 10, 11, 12 None		
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • See introduction to the Music Department. <p>Activities:</p> <table border="0"> <tr> <td> <ul style="list-style-type: none"> • Music theory instruction and assignments • Individual composition projects • Performances </td> <td> <ul style="list-style-type: none"> • Individual assessments • Individual and small group instruction • Music analysis </td> </tr> </table> <p>Fees & Supplies: \$20.00 workbook/text will be required.</p>	<ul style="list-style-type: none"> • Music theory instruction and assignments • Individual composition projects • Performances 	<ul style="list-style-type: none"> • Individual assessments • Individual and small group instruction • Music analysis
<ul style="list-style-type: none"> • Music theory instruction and assignments • Individual composition projects • Performances 	<ul style="list-style-type: none"> • Individual assessments • Individual and small group instruction • Music analysis 		
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Piano: Advanced Level (MU58) Music 1 9, 10, 11, 12 'B-' or higher in Piano: Beginning Level (57) <i>or</i> instructor consent		
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • See introduction to the Music Department. <p>Activities:</p> <table border="0"> <tr> <td> <ul style="list-style-type: none"> • Music theory/history instruction and assignments • Individual composition projects • Performances </td> <td> <ul style="list-style-type: none"> • Individual assessments • Individual instruction • Music analysis </td> </tr> </table>	<ul style="list-style-type: none"> • Music theory/history instruction and assignments • Individual composition projects • Performances 	<ul style="list-style-type: none"> • Individual assessments • Individual instruction • Music analysis
<ul style="list-style-type: none"> • Music theory/history instruction and assignments • Individual composition projects • Performances 	<ul style="list-style-type: none"> • Individual assessments • Individual instruction • Music analysis 		

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.

The following courses are 41-minute classes that run every day, year-round opposite select required classes:

- Symphonic Band (MU53) **
- Wind Symphony **
- Cantabile Choir (MU70) **
- Concert Choir **

INSTRUMENTAL MUSIC

Course Title: Discipline: Credits: Grade Level: Prerequisites:	<p>Symphonic Band (MU53) ** Music 1 9, 10, 11, 12 Previous Band experience in Middle School or consent of instructor</p> <p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> ● See introduction to the Music Department. <p>Activities:</p> <table style="width: 100%; border: none;"> <tr> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ● Small group/ individual instruction ● Large and small ensembles ● Marching performances </td> <td style="vertical-align: top; padding-left: 20px;"> <ul style="list-style-type: none"> ● Concert performances ● Pep band performances ● Solo & Ensemble Festival </td> </tr> </table> <p>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.</p>	<ul style="list-style-type: none"> ● Small group/ individual instruction ● Large and small ensembles ● Marching performances 	<ul style="list-style-type: none"> ● Concert performances ● Pep band performances ● Solo & Ensemble Festival
<ul style="list-style-type: none"> ● Small group/ individual instruction ● Large and small ensembles ● Marching performances 	<ul style="list-style-type: none"> ● Concert performances ● Pep band performances ● Solo & Ensemble Festival 		

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Wind Symphony ** Music 1 9, 10, 11, 12 Consent of instructor/Audition
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • See introduction to the Music Department <p>Activities:</p> <ul style="list-style-type: none"> • Small group/ individual instruction • Large and small ensembles • Marching performances • Concert performances • Pep band performances • Solo & Ensemble Festival <p>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.</p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Jazz Ensemble Music 1 per year 9, 10, 11, 12 Student currently playing a jazz instrument
	<p>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.</p> <p>NOTE: This class meets after the regular school day. Scheduled rehearsals will be assigned by the teacher.</p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Basic/Intermediate Music Theory (MU80) Music 1 9-12 Interest in the Subject and Willingness to Learn
	<p>Description: This course is for students interested in learning music theory but may not have an extensive music background. Topics covered in this class to 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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> ● Exploration of Music Fundamentals ● Harmonization ● Modes and Scales ● Triads and Seventh Chords ● Basic Composition Techniques ● Figured Bass Realization <p>Activities:</p> <ul style="list-style-type: none"> ● Composition Projects ● Musical Dictation ● Textbook Annotation ● Homework Packets ● Ear Training <p>Fees & Supplies: \$30 for class workbook</p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Advanced Placement Music Theory (MU85) Music 1 10-12 Music background and Instructor Permission
	<p>Description: This course is for musicians interested in studying music theory in depth with the option to take the AP Music Theory Exam in May to receive college credit. The course mirrors a university freshman level music theory course with knowledge of various music theory practices, compositional techniques and practical ear and voice training skills all part of the curriculum. The course is open to any student with a musical background with instructor permission. The course will either meet the first half of 3rd block each day all year, or for a different block 1 semester in the fall with an Advisement requirement 2nd semester for those taking the AP exam.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> ● In depth exploration of Music Fundamentals ● Voice Leading ● Harmonization ● Modes and Scales ● Triads and Seventh Chords ● Sight-singing ● Music Dictation ● Composition ● Score Analysis ● Figured Bass Realization <p>Activities:</p> <ul style="list-style-type: none"> ● Analysis of scores ● Composition Projects ● Musical Dictation ● Sight Singing ● Textbook Annotation ● Homework Packets ● Ear Training <p>Fees & Supplies: \$40 Class fee for Barron's AP Music Theory Text and Workbook</p>

VOCAL MUSIC

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

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Cantabile Choir (MU70) ** Music 1 9, 10 No previous experience required. Open to all interested singers.		
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> ● See introduction to the Music Department <p>Activities:</p> <table style="width: 100%; border: none;"> <tr> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ● Study and practice of good vocal technique ● Beginning sight singing activities ● Concert performances ● Classroom and community performances </td> <td style="vertical-align: top; padding-left: 20px;"> <ul style="list-style-type: none"> ● Study and practice of good vocal technique ● Beginning sight singing activities ● Concert performances ● Classroom and community performances </td> </tr> </table> <p>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 fieldtrips, accompanists, festival fees, and other concert attire repairs/maintenance. Fundraising opportunities available for all students throughout the year.</p>	<ul style="list-style-type: none"> ● Study and practice of good vocal technique ● Beginning sight singing activities ● Concert performances ● Classroom and community performances 	<ul style="list-style-type: none"> ● Study and practice of good vocal technique ● Beginning sight singing activities ● Concert performances ● Classroom and community performances
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Course Title: Discipline: Credits: Grade Level: Prerequisites:	Concert Choir ** Music 1 10, 11, 12 This is an intermediate/advanced level mixed choir. Previous experience is preferred.		
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> ● See introduction to the Music Department <p>Activities:</p> <table style="width: 100%; border: none;"> <tr> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ● Study and practice of good vocal technique ● Intermediate-Advanced Sight singing activities ● Concert performances ● Classroom and community performances </td> <td style="vertical-align: top; padding-left: 20px;"> <ul style="list-style-type: none"> ● Unison, 2-part, 3-part, and 4-part accompanied and unaccompanied choral music ● Performances for critique by other music professionals </td> </tr> </table> <p>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 fieldtrips, accompanists, festival fees, and other concert attire repairs/maintenance. Fundraising opportunities available for all students throughout the year.</p>	<ul style="list-style-type: none"> ● Study and practice of good vocal technique ● Intermediate-Advanced Sight singing activities ● Concert performances ● Classroom and community performances 	<ul style="list-style-type: none"> ● Unison, 2-part, 3-part, and 4-part accompanied and unaccompanied choral music ● Performances for critique by other music professionals
<ul style="list-style-type: none"> ● Study and practice of good vocal technique ● Intermediate-Advanced Sight singing activities ● Concert performances ● Classroom and community performances 	<ul style="list-style-type: none"> ● Unison, 2-part, 3-part, and 4-part accompanied and unaccompanied choral music ● Performances for critique by other music professionals 		

Course Title: Discipline: Credits: Grade Level: Prerequisites:	A Cappella Choir (MU67A & MU67B) Music 1 11, 12 This is an advanced level ensemble. Audition or instructor approval required.
	<p>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/performances take place outside of regular school hours.</p> <p>Skills learned, reinforced, advanced and applied: See introduction to the Music Department</p> <p>Activities:</p> <ul style="list-style-type: none"> • Study and practice of good vocal technique • Advanced level sight singing activities • Concert performances – in the classroom and community • Solo & Ensemble Festival • Unison, 2-part, 3-part and 4-part unaccompanied singing • Performances for critique by other music professionals <p>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 second semester. Other fees may apply for trips and vocal festivals (see introduction to Music Department).</p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Synergy Show Choir Music .5 per semester 9, 10, 11, 12 Entrance by audition only (Auditions for 2022-2023 will take place in early May of 2022)
	<p>Description: 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 jazz, 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 take place on Mondays from 6:00-8:00pm and Wednesdays from 2:30-4:30pm. 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> <p>Skills learned, reinforced, advanced and applied: See introduction to the Music Department.</p> <p>Activities:</p> <ul style="list-style-type: none"> • Study and practice of good vocal technique • Concert and competition performances • Classroom and community performances • Unison, 2-part, 3-part, and 4-part accompanied choral music • Performances for critique by other music professionals • Dancing and singing for critique and competition <p>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.</p> <p>NOTE: This class meets after the regular school day. Scheduled rehearsals will be assigned by the teacher.</p>

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.

RELATED CAREER PATHS

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| <ul style="list-style-type: none">• Actor• Actress• Announcer• Band Director• Choral Director• Clergy• Comedian• Composer• Concert Singer• Dancer• Dramatic Reader• Education Director | <ul style="list-style-type: none">• Guitarist• Impression Artist• Music Arranger• Music Critic• Music Director• Music Librarian• Music Supervisor• Musical Entertainer• Musician• Music Therapist• Occupational Therapist | <ul style="list-style-type: none">• Orchestra Director• Pianist and Organist• Piano Technician/Tuner• Popular Singer• Radio/Television Director• Record Producer• Recreational Therapist• Salesclerk• Sales Manager• Teacher |
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Course Title:	Into to Theater and performance PA101
Discipline:	Performing Arts
Credits:	1
Grade Level:	9, 10, 11, 12
Prerequisites:	None
	<p>Description: Introduction to Theatre is for the student who is interested in getting a variety of exposure and experiences in different areas of theatre. 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 theatre skills.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> •Script Reading •Script interpretation •Critical thinking •Cooperative learning •Performance •Time management •Goal setting •Listening •Leadership •Creativity •Self-assessments •Group assessments •Performance evaluations <p>Activities:</p> <ul style="list-style-type: none"> •Basic Theatre and method instruction and assignments •Basic Stage Movement Project •Performances (in class, large group, small group, individual) •Individual assessments •Individual and small group work •Play/script analysis •Character study, development, and presentation <p>Fees & Supplies: None</p>

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.

Freshman	Sophomore	Junior	Senior
Choose at least one	Choose at least one	Choose at least one	Choose at least one
Life Science	Chemistry or Chemistry Honors	Chemistry or Chemistry Honors	Chemistry or Chemistry Honors
Biology or Biology Honors	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
		Environmental Science	Earth Science
See further prerequisites in the following pages of the course catalog.			

Supply List for Science Courses

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| <ul style="list-style-type: none"> • Goggles for certain subjects to be purchased by students at the school store - approximately \$10.00/pair. • Lab notebook for certain subjects to be purchased by students at the school store-approximately \$15.00-\$17.00 | <ul style="list-style-type: none"> • Pens • Pencils • 3-ring binder with dividers • Loose-leaf paper • Spiral notebook (optional) • Scientific calculator • Colored pencils |
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RELATED CAREER PATHS

<ul style="list-style-type: none"> • Anthropologist • Astronomer • Athletic Trainer • Audiologist • Bio-Chemist • Biologist • Biomedical Engineer • Botanist • Chemical Engineer • Chemist • Civil Engineer • Dentist • Dental Hygienist • Detective • Electrical Engineer • Electrician 	<ul style="list-style-type: none"> • EMT • Farmer • Fish & Wildlife Warden • Forester • Geologist • Industrial Engineer • Landscape Architect • Marine Biologist • Mechanical Engineer • Medical & Clinical Lab Technician • Meteorologist • MRI Technician • Nurse • Nutritionist/Dietician 	<ul style="list-style-type: none"> • Occupational Therapist • Pediatrician • Petroleum Engineer • Physical Therapist • Pharmacist • Physician • Physician's Assistant • Psychiatrist • Speech Pathologist • Teacher • Veterinarian • Veterinary Technician • Welder • X-Ray Technician • Zoologist
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Course Title: Discipline: Credits: Grade Level: Prerequisites:	Biology (SC606) Science 1 9 None
<p>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.</p> <p>Areas of study include:</p> <ul style="list-style-type: none"> • Nature of Science and Cells • The Cell Cycle • DNA and Protein Synthesis • Heredity • Evolution • Ecology • Energy <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Communicate scientific concepts in written form • Graph and analyze data to formulate scientific conclusions • Apply scientific principles to new situations • Use evidence/data and reasoning to support claims • Read critically to analyze and explain scientific concepts • Analysis of scientific relationships: compare/contrast, cause/effect • Predict outcomes based on data <p>Activities:</p> <ul style="list-style-type: none"> • Laboratory investigations and reports • Collaborative activities • Discussions • Individual practice • Teacher generated quizzes and tests • Current Event reviews/essays (new science discoveries) <p>Fees and Supplies: See supply list on page 83 for Science courses.</p> <p>Note: Biology or Honors Biology is a requirement to graduate</p>	

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Biology Honors (SC607) Science 1 9 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.
	<p>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. Some areas of study include the following:</p> <ul style="list-style-type: none"> • Genetics • Ecology • Molecular biology • Evolution • Biochemistry/Energy • Cells <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Critical reading • Scientific method of inquiry • Problem-solving • Research and its application • Analysis • Identification and analysis of relations: Comparison/contrast, cause/effect • Data analysis • Graphing <p>Activities:</p> <ul style="list-style-type: none"> • Laboratory investigations and reports to promote critical thinking skills • Research projects to promote problem-solving and technology skills • Oral presentations to promote communication skills • Scientific reading and writing projects to promote communication and composition skills • Class discussion <p>Fees & Supplies: See supply list on page 83 for Science Courses.</p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Physical Science (SC623) Science 1 10 Successful completion of Biology (606) and recommended completion of Algebra (505) <i>or</i> Algebra A (506) <i>and</i> Algebra B (507)
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Research • Analysis of data, statistics and graphing • Basic algebra skills • Identifying relationships • Science as an inquiry investigation • Critical thinking • Use of technology • Collaboration/group work <p>Activities:</p> <ul style="list-style-type: none"> • Laboratory investigations with reports • Lab Practical • Conducting inquiry-based group investigations (student-driven) • Solving problems (mathematically and graphically) <p>Fees & Supplies: See supply list on page 83 for Science courses. Goggles must be purchased at the school store.</p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Chemistry (SC609) Science 1 10, 11, 12 'C-' or higher in both Biology (606) or Biology Honors (607) and Algebra (505) or 'C-' or higher in Physical Science (623)
	<p>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:</p> <ul style="list-style-type: none"> • Math and Measurement in Chemistry • Matter and Change • Atomic Structure and Theory • Periodic Table • Chemical Bonding • Stoichiometry • Gas Laws • Acid-Base Theory • Solutions • Nomenclature • Mole Concept <p>These concepts are reinforced with lab work where appropriate.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Critical reading • Research • Analysis • Application of algebra concepts • Identification and analysis of relations: Comparison/contrast, cause/effect • Data analysis • Graphing <p>Activities:</p> <ul style="list-style-type: none"> • Laboratory investigations with reports • Teacher generated quizzes and tests <p>Fees & Supplies: See supply list on page 83 for Science courses. A lab notebook and goggles must be purchased at the school store.</p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Chemistry Honors (SC619) Science 1 10, 11, 12 'B-' or higher in both Honors Biology (607) and Algebra (505) 'B+' or higher in Regular Biology (606)
	<p>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.</p> <ul style="list-style-type: none"> • Math and Measurement in Chemistry • Matter and Change • Atomic Structure and Theory • Periodic Table • Nomenclature & Chemical Bonding • Mole Concept • Stoichiometry • Gas Laws • Solutions • Intermolecular Forces • Acid-Base Theory <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Critical reading • Research • Analysis • Application of Algebra Concepts • Identification and analysis of relations: Comparison/contrast, cause/effect • Data analysis • Graphing <p>Activities:</p> <ul style="list-style-type: none"> • Laboratory investigations with reports • Teacher generated quizzes and tests <p>Fees & Supplies: See supply list on page 83 for Science courses. A lab notebook and goggles must be purchased at the school store.</p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Physics (SC617) Science 1 10, 11, 12 'C-' or higher in Biology (606), Algebra (505), and Geometry (518) <i>or</i> concurrent Geometry (518) and a 'C-' or higher in Physical Science (623)
	<p>Description: Physics provides a detailed study of the natural laws that govern motion on earth and in space. Topics include:</p> <ul style="list-style-type: none"> • Math and measurement in physics • Linear & projectile motion • Newton’s Three Laws of Motion • Solving problems using vectors • Friction • Conservation of Momentum • Circular Motion • Gravity • Energy <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Critical reading • Research • Analysis • Identification and analysis of relations: Comparison/contrast, cause/effect • Data analysis • Graphing <p>Activities:</p> <ul style="list-style-type: none"> • Laboratory investigations with reports • Oral presentations • Teacher generated quizzes and tests <p>Fees & Supplies: See supply list on page 83 for Science courses.</p>

Course Title:	Advanced Placement Physics 1 (SC604)
Discipline:	Science
Credits:	2 (<i>Weighted grades – 5.0 scale</i>)
Grade Level:	11, 12
Prerequisites:	'B' average or higher in Biology (606) or Biology Honors (607), and Geometry (518),

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.

Skills learned, reinforced, advanced and applied:

- Advanced problem solving
- Critical reading
- Research
- Analysis
- Identification and analysis of relations: Comparison/contrast, cause/effect
- Data analysis
- Graphing

Activities:

- Laboratory investigations with lab notebook
- Oral presentations
- Standardized tests
- Teacher generated quizzes and tests
- Science research project

Fees & Supplies: \$15 lab fee. See supply list on page 83 for Science courses.

Course Title:	Advanced Placement Physics 2 (SC605)
Discipline:	Science
Credits:	2 (<i>Weighted grades – 5.0 scale</i>)
Grade Level:	11, 12
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)

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.

Skills learned, reinforced, advanced and applied:

- Advanced problem solving
- Critical reading
- Research
- Analysis
- Identification and analysis of relations: Comparison/contrast, cause/effect
- Data analysis
- Graphing

Activities:

- Laboratory investigations with lab notebook
- Oral presentations
- Standardized tests
- Teacher generated quizzes and tests
- Science research project

Fees & Supplies: \$15 lab fee. See supply list on page 83 for Science courses.

Course Title:	Advanced Placement Physics C (SC666)
Discipline:	Science
Credits:	2 (<i>Weighted grades – 5.0 scale</i>)
Grade Level:	11, 12
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.

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.

Skills learned, reinforced, advanced and applied:

- Advanced problem solving
- Critical reading
- Research
- Analysis
- Identification and analysis of relations: Comparison/contrast, cause/effect
- Data analysis
- Graphing

Activities:

- Laboratory investigations with lab notebook
- Oral presentations
- Standardized tests
- Teacher generated quizzes and tests
- Science research project

Fees & Supplies: \$15 lab fee. See supply list on page 83 for Science courses.

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Principles of Engineering (SC625) Science 1 11, 12 Fundamentals of Engineering (830) and Geometry (518); or concurrent with Physics (617 or 604); or approval of the instructor
	<p>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.</p> <p>Engineering subjects covered:</p> <ul style="list-style-type: none"> • Experimental Design • Statics • Electricity • Thermodynamics • Materials • Fluid Mechanics • Machine Control <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Project management • Technical writing • Problem-solving • Team building • Applied math skills • Applied physics and chemistry skills <p>Activities:</p> <ul style="list-style-type: none"> • Teamwork using “String on a Ring” • Build and test an apparatus to catch a falling egg • Build and test electrical circuits • Experimental design using a trebuchet • Build and test a can crusher using fluid power • Use truss analysis and finite element analysis to build and test a model bridge • Test material strength • Build and test a scale model homeless shelter • Program a claw robot <p>Fees & Supplies: \$20.00 lab fee. 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.</p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Earth and Space Science (SC612) Science 1 11, 12 Successful completion of Biology (606) and a physical science course
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Critical reading • Research • Analysis • Identification and analysis of relations: Comparison/contrast, cause/effect • Data analysis • Graphing <p>Activities:</p> <ul style="list-style-type: none"> • Laboratory investigations with reports • Oral presentations • Teacher generated quizzes and tests • Science research projects <p>Fees & Supplies: See supply list on page 83 for Science courses.</p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Environmental Science (SC621) Science 1 11, 12 Successful completion of Biology (606) and a physical science course
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Critical thinking skills • Critical reading • Research • Data analysis • Identify and evaluate biases and opinions • Questioning and assessing evidence <p>Activities:</p> <ul style="list-style-type: none"> • Laboratory investigations with reports • Oral presentations • Discussions • Research projects • Quizzes and tests • Writing prompts <p>Fees & Supplies: See supply list on page 83 for Science courses.</p>

<p>Course Title: Discipline: Credits: Grade Level: Prerequisites:</p>	<p>Human Anatomy and Physiology (SC614) Science 1 11, 12 'C' average or higher in Biology (606) and Chemistry (609) or Chemistry Honors (619)</p> <p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Critical reading • Research • Analysis • Identification and analysis of relations: Comparison/contrast, cause/effect • Data analysis • Graphing <p>Activities:</p> <ul style="list-style-type: none"> • Laboratory investigations with reports • Science research projects • Teacher generated quizzes and tests • Essays <p>Fees & Supplies: \$15.00 lab fee. See supply list on page 83 for Science courses.</p>
<p>Course Title: Discipline: Credits: Grade Level: Prerequisites:</p>	<p>Advanced Placement Biology (SC600) Science 2 (<i>Weighted grades – 5.0 scale</i>) 11, 12 '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.</p> <p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Critical reading • Research • Analysis • Identification and analysis of relations: Comparison/contrast, cause/effect • Data analysis • Graphing <p>Activities:</p> <ul style="list-style-type: none"> • Inquiry laboratory investigations with reports • Oral presentations • Standardized tests • Teacher generated quizzes and tests • Essays • Online chats <p>Fees & Supplies: \$15.00 lab fee. See supply list on page 83 for Science courses. Also, a 2" three-ring binder and goggles must be purchased at the school store.</p>

<p>Course Title: Discipline: Credits: Grade Level: Prerequisites:</p>	<p>Advanced Placement Environmental Science (SC626) Science 1 (Weighted grades – 5.0 scale) 11, 12 (semester 1 only) '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.</p>
	<p>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 man-made, 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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Critical reading • Research • Analysis • Identification and analysis of relations: Comparison/contrast, cause/effect • Data analysis • Graphing <p>Activities:</p> <ul style="list-style-type: none"> • Inquiry laboratory investigations with reports • Standardized tests • Teacher generated quizzes and tests • Essays <p>Fees & Supplies: \$15.00 lab fee. See supply list on page 83 for Science courses. A lab notebook may be purchased at the school store.</p>
<p>Course Title: Discipline: Credits: Grade Level: Prerequisites:</p>	<p>Advanced Placement Chemistry (SC603) Science 2 (Weighted grades – 5.0 scale) 11, 12 '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.</p>
	<p>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 college-bound, 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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Critical reading • Research • Analysis • Identification and analysis of relations: Comparison/contrast, cause/effect • Data analysis • Graphing <p>Activities:</p> <ul style="list-style-type: none"> • Laboratory investigations with reports • Standardized tests • Teacher generated quizzes and tests <p>Fees & Supplies: \$15 lab Fee. See supply list on page 83 for Science courses. Goggles must be purchased at the school store.</p>

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.

RELATED CAREER PATHS

- | | | |
|---|--|--|
| <ul style="list-style-type: none">• Accountant• Actuary• Agriculturalist• Anthropologist• Archaeologist• Archivist• Banker• Civil Engineer• College Professor• Counselor• Criminologist• Economist• Ethnologist• Financial Analyst | <ul style="list-style-type: none">• Forensic Scientist• Geographer• Geologist• Gerontologist• Historian• International Business• Law Enforcement• Lawyer• Lobbyist• Minister (Clergy)• Museum Curator• Paleontologist• Personnel Manager• Political Scientist | <ul style="list-style-type: none">• Politician• Public Relations• Psychiatrist• Psychologist• Reporter• Research Director• Social Worker• Sociologist• Statistician• Stockbroker• Teacher• Therapist• Urban Planner• Writer |
|---|--|--|

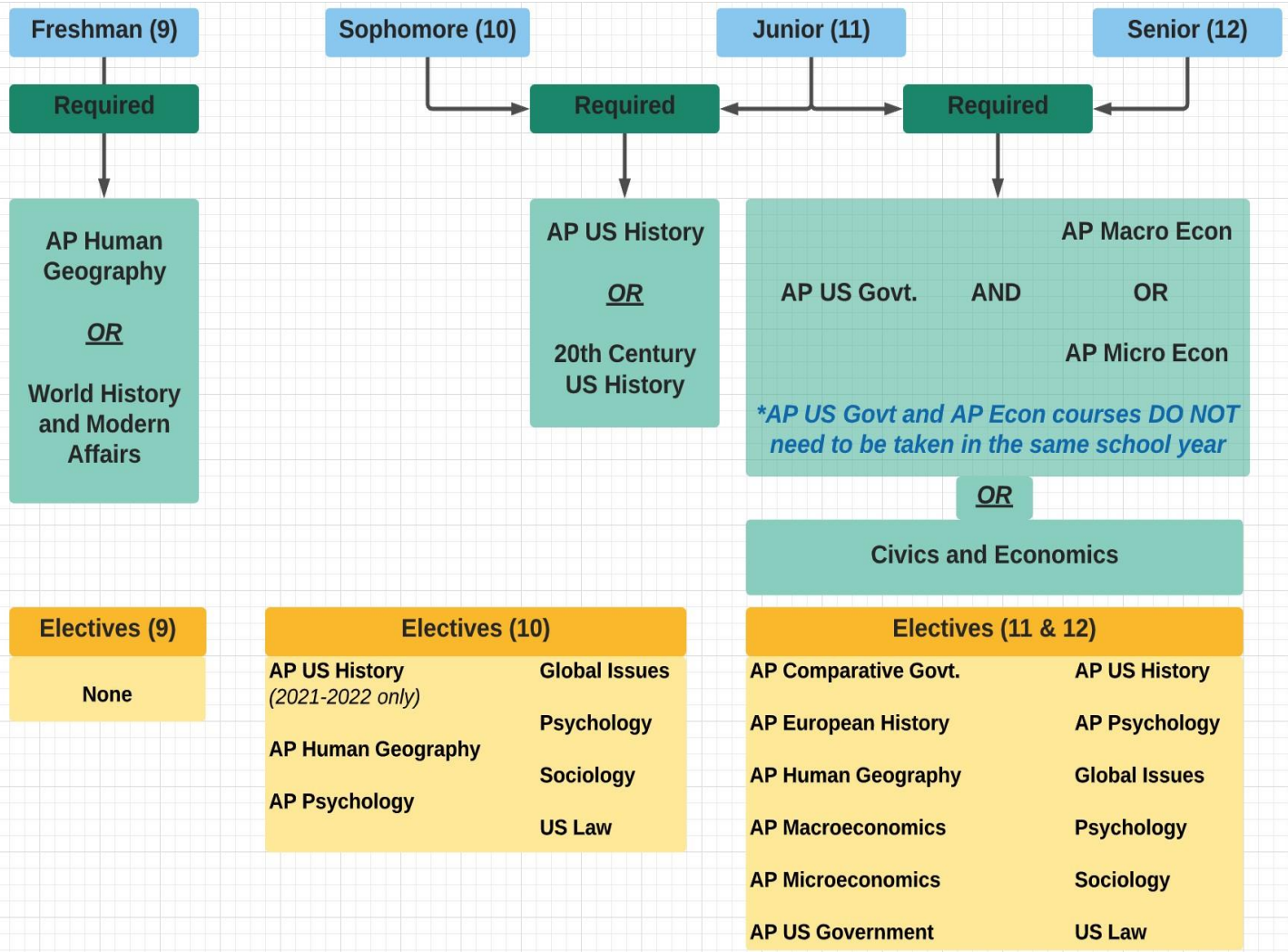
SOCIAL STUDIES GRADUATION REQUIREMENTS

3 CREDITS of SOCIAL STUDIES are required for graduation:

1. **World History** credit
 - Taken FRESHMAN year
 - Met with EITHER of the following courses:
 - **AP Human Geography** OR **World History & Modern Affairs**

2. **US History** credit
 - Taken EITHER SOPHOMORE OR JUNIOR year
 - Met with EITHER of the following courses:
 - **AP US History** OR **20th Century US History**

3. **Civics & Economics** credit
 - Taken EITHER JUNIOR OR SENIOR year
 - Met with EITHER of the following routes:
 - **AP US Govt.** AND **AP Macro Econ** OR **AP Micro Econ**
 - OR
 - **Civics & Economics**
 - NOTE: AP US Govt. & AP Econ pairing DO NOT need to be taken in the same year



REQUIRED COURSE OPTIONS

<p>Course Title: Advanced Placement Human Geography (SS727A) Discipline: Social Studies Credits: 1 (<i>Weighted grades – 5.0 scale</i>) Grade Level: 9, 10, 11, 12 (Fall semester ONLY) Prerequisites: None</p>	<p>Description: AP Human Geography is a college prep class for freshmen, sophomores, juniors, and seniors offered during the <u>FALL</u> 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.</p> <p>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> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> ● Connecting geographic concepts and processes to real-life scenarios ● Seeing patterns and trends in data and in visual sources such as maps and drawing conclusions from them ● Understanding information shown in maps, tables, charts, graphs, infographics, images, and landscapes ● Understanding spatial relationships using geographic scales <p>Content to cover:</p> <ul style="list-style-type: none"> ● Thinking geographically ● Population/migration patterns and processes ● Cultural patterns and processes ● Political patterns and processes ● Agriculture/rural land-use patterns and processes ● Cities/urban land-use patterns and processes ● Industrial and economic development Patterns and processes <p>Activities:</p> <ul style="list-style-type: none"> ● Research projects/papers ● Map exploration ● Graph and chart analysis ● Venn diagrams ● Group projects ● Environmental awareness <p>Note: AP Human Geography fulfills the graduation requirement for the World History credit but can also be taken as an elective.</p>
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Course Title: Discipline: Credits: Grade Level: Prerequisites:	World History and Modern Affairs (SS726) Social Studies 1 9 None
	<p>Description: 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> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> ● Map skills ● Reading skills ● Writing skills ● Research skills <p>Activities:</p> <ul style="list-style-type: none"> ● Timeline creation ● Primary source analysis ● Simulations ● Research projects ● Map exploration ● Historical presentations

<p>Course Title: Discipline: Credits: Grade Level: Prerequisites:</p>	<p>Advanced Placement US History (SS705) Social Studies 2 (<i>Weighted grades – 5.0 scale</i>) 10, 11, 12 None</p>
	<p>Description: 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 in different 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 in order to gain historical understanding.</p> <p>Note: AP US History fulfills the graduation requirement for the US History credit but can also be taken as an elective.</p>

<p>Course Title: 20th Century US History (SS724) Discipline: Social Studies Credits: 1 Grade Level: 10, 11 Prerequisites: None</p>	<p>Description: 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'll 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> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> ● Reading skills ● Map skills ● Writing skills ● Research skills <p>Activities:</p> <ul style="list-style-type: none"> ● Research projects/term papers ● Written assignments ● Essays ● Group projects
<p>Course Title: Advanced Placement US Government and Politics (SS701) Discipline: Social Studies Credits: 1 (<i>Weighted grades – 5.0 scale</i>) Grade Level: 11, 12 (Fall semester ONLY) Prerequisites: None</p>	<p>Description: AP US Government and Politics is a college prep class for juniors and seniors offered during the <u>FALL</u> semester. Students will learn high-level writing, reading, communication and analytical thinking skills that are critical to success in the college classroom. AP US Government is an important step in preparing students for the next step in their education and is recommended for college-bound students.</p> <p>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> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> ● Reading, writing and research skills ● Cooperative group learning ● Using the Internet to gain information ● Application of various techniques to analyze and evaluates differing interpretations of historical, political, and current events <p>Activities:</p> <ul style="list-style-type: none"> ● Research ● Debates ● Group presentations ● Role-playing (Mock campaign, Mock Congress) ● Projects ● Discussion <p>NOTE: AP US Government fulfills the graduation requirement for the “Civics” portion of the Civics & Economics credit but can also be taken as an elective.</p>

<p>Course Title: Advanced Placement Macroeconomics (SS723B) Discipline: Social Studies Credits: 1 (<i>Weighted grades – 5.0 scale</i>) Grade Level: 11, 12 (<i>spring semester ONLY</i>) Prerequisites: None</p>	<p>Description: AP Macroeconomics is a college prep class for juniors and seniors offered during the <u>SPRING</u> 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 <u>Macroeconomics</u>. 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> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> ● College-level reading skills ● Basic research skills ● Cooperative group learning ● Using technology to gain information ● Organization of material: notes, charts, graphic organizers ● Application of various techniques to analyze and evaluate differing interpretations of historical, political, and current events. <p>Activities:</p> <ul style="list-style-type: none"> ● Daily assignments: reading, writing, graphic organizers ● Research ● Group presentations ● Projects ● Active discussion <p>NOTE: AP Macroeconomics fulfills the graduation requirement for the “Economics” portion of the Civics & Economics credit but can also be taken as an elective.</p>
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Course Title: Discipline: Credits: Grade Level: Prerequisites:	Advanced Placement Microeconomics (SS723A) Social Studies 1 (<i>Weighted grades – 5.0 scale</i>) 11, 12 (Fall semester ONLY) None
	<p>Description: AP Microeconomics is a college prep class for juniors and seniors offered during the <u>FALL</u> 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 <u>Microeconomics</u>. 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> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> ● Define economic principles and models ● Determine outcomes of specific economic situations ● Explain given economic outcomes ● Model economic situations using graphs or visual representations <p>Activities:</p> <ul style="list-style-type: none"> ● Daily assignments: reading, writing, graphic organizers ● Research ● Group presentations ● Projects ● Active discussion <p>NOTE: AP Microeconomics fulfills the graduation requirement for the “Economics” portion of the Civics & Economics credit but can also be taken as an elective.</p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Civics & Economics (SS711) Social Studies 1 11,12 None
	<p>Description: 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> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> ● Higher order thinking ● Higher level reading, writing and research ● Oral expression ● Ethical valuing ● Connections to the world beyond the classroom <p>Activities:</p> <ul style="list-style-type: none"> ● Research ● Presentations ● Role playing ● Projects ● Small and large group discussions ● Debates ● Simulations

ELECTIVE COURSE OPTIONS

<p>Course Title: Advanced Placement Comparative Government and Politics (SS702B)</p> <p>Discipline: Social Studies</p> <p>Credits: 1 (<i>Weighted grade – 5.0 scale</i>)</p> <p>Grade Level: 11, 12 (<i>spring semester ONLY</i>)</p> <p>Prerequisites: None</p>	<p>Description:</p> <p>AP Comparative Government and Politics is a college-prep class for juniors and seniors offered during the <u>SPRING</u> 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.</p> <p>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> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> ● Reading, writing and research skills ● Cooperative group learning ● Using the Internet to gain information ● Application of various techniques to analyze and evaluates differing interpretations of historical, political, and current events <p>Activities:</p> <ul style="list-style-type: none"> ● Research ● Debates ● Group presentations ● Role-playing ● Projects ● Discussion
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Course Title: Discipline: Credits: Grade Level: Prerequisites:	Advanced Placement European History (SS722) Social Studies 2 (<i>Weighted grades – 5.0 scale</i>) 11, 12 None
	<p>Description: 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> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> ● Time management ● Primary source analysis ● Cooperative group learning ● Using technology to acquire and apply information ● Organization of material: notes, charts, graphic organizers ● Application of various techniques to analyze and evaluate differing interpretations of history <p>Activities:</p> <ul style="list-style-type: none"> ● Projects ● Active Discussion
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Psychology (SS716) Social Studies 1 10, 11, 12 None
	<p>Description: 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> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> ● Use of a wide variety of sources to analyze information and draw conclusions ● Assessing the impact of various genetic and environmental factors on behavior ● Using the Internet to gain information ● Basic writing skills along with compare and contrast writing skills ● Organization of material – charts, graphic organizers, outlining ● Working in cooperative groups <p>Activities:</p> <ul style="list-style-type: none"> ● Active discussion of the various issues discussed throughout the curriculum ● Cooperative learning exercises ● Daily assignments – readings, notes, worksheets, written responses ● Writing development – note-taking, pre-writing, outlining, essays ● Projects

<p>Course Title: Advanced Placement Psychology (SS716A) Discipline: Social Studies Credits: 1 (<i>Weighted grades – 5.0 scale</i>) Grade Level: 10, 11, 12 (fall semester ONLY) Prerequisites: None</p>	<p>Description: AP Psychology is an introductory college-level psychology course offered only during the <u>FALL</u> 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> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> ● Connecting psychological concepts and theories to real-life scenarios ● Analyzing research studies in psychology ● Understanding and interpreting data ● Working in cooperative groups ● Basic writing skills along with compare and contrast writing skills ● Organization of material – charts, graphic organizers, outlining <p>Activities:</p> <ul style="list-style-type: none"> ● Active discussion of the various issues discussed throughout the curriculum ● Cooperative learning exercises ● Daily assignments – readings, notes, worksheets, written responses ● Writing development – note-taking, pre-writing, outlining, essays ● Projects
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Course Title: Discipline: Credits: Grade Level: Prerequisites:	<p>Global Issues/Blended-Online (SS715) Social Studies 1 10, 11, 12 Internet access available outside of school and transportation to/from school</p> <p>Description: 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 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><i>Blended instruction</i> combines traditional face-to-face class time with online delivery of educational content. Students will meet face-to-face two days per week (<i>unless</i> 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> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> ● Reading, writing, and research skills ● Cooperative group learning ● Using the Internet to gain information ● Experimenting with technology to access, analyze, produce coursework ● Evaluating different points of view ● Using personal beliefs and values to assess larger political, social, economic, and environmental issues ● Communicating with peers through severaland online resources <p>Activities:</p> <ul style="list-style-type: none"> ● Research ● Debates ● Group presentations ● Electronic assignment uploads ● Role playing ● Projects ● Discussion ● Communication through email, instant chat, discussion boards, or virtually
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Course Title: Discipline: Credits: Grade Level: Prerequisites:	Sociology (SS717) Social Studies 1 10,11, 12 None
	<p>Description: Sociology is the study of social life, change, causes, and consequences of human behavior. By scientifically investigating important issues, individuals come to a better understanding of society and themselves. Such insight allows citizens to make more-informed political decisions, which may positively impact the state of our nation.</p> <p>In this course, students will come to better understand how societal circumstances influence people’s thoughts and actions. Topics of exploration include conformity, deviance, minority status, family, education, social stratification, behavioral research, and social impacts of technology.</p> <p>The course curriculum is aligned with Waukesha County Technical College and offers students the opportunity to earn (3) technical college credits (which are transferable to UW schools and many private colleges) upon completion of this course. Sociology is a great course for students interested in pursuing careers in criminal justice, law, political science, healthcare, social work, and marketing.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> ● Analytic review of demographic data ● Defense-building strategies ● Peer collaboration ● Perspective taking ● Personal reflection <p>Activities:</p> <ul style="list-style-type: none"> ● Self-directed research ● Secondary analysis ● Field study ● Discussions ● Peer education ● Use of technology <p>Note: <i>This is a scripted course with WCTC.</i></p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	United States Law (SS718) Social Studies 1 10, 11, 12 None
	<p>Description: 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’re planning on pursuing law or not, this class makes students aware of essential legal knowledge that is invaluable in life.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> ● Analysis and evaluation of historic events and historic Supreme Court cases from various perspectives ● Comprehension and analysis of basic legal documents such as the Bill of Rights, the US Constitution, and Universal Declaration of Human Rights ● Analysis of the law and its application to issues such as religion, press, speech, assembly, gun control, due process, capital punishment, search and seizure, affirmative action, and abortion ● Writing and the analytical writing process ● Creating and presenting effective and persuasive oral arguments ● Research using text, periodicals, and the internet <p>Activities:</p> <ul style="list-style-type: none"> ● Simulations ● Mock trials ● Analysis of Supreme Court cases ● Verbal debates regarding legal issues

WORLD LANGUAGE

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.

RELATED CAREER PATHS		
<ul style="list-style-type: none"> • Actor • Actress • Anthropologist • Archivist • College Professor • Composer • Correspondent • Court Reporter • Diplomat • Dramatic Coach • Engineer 	<ul style="list-style-type: none"> • Essayist or Author • FBI/CIA Agent • Flight Attendant • Historian • Immigration/Customs Official • Intelligence Specialist • Interpreter • Lawyer • Librarian • Linguist • Medical Assistant 	<ul style="list-style-type: none"> • Messenger • Missionary • Music Teacher • Physician • Salesperson • Social Worker • Teacher • Translator • Travel Agent • Travel Guide • Tutor

Course Title: Discipline: Credits: Grade Level: Prerequisites:	French I (WL900) World Languages 1 9, 10, 11, 12 None
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Basic conversational proficiency in French on everyday topics and in simple situations • Reading and listening to simple language for comprehension • Writing and speaking to express ideas • Language learning skills, processes, and strategies • Cultural awareness and understanding of the French speaking world <p>Activities:</p> <ul style="list-style-type: none"> • Partner/group oral practice • Guided writing practice • French songs • Skits and oral presentations • Portfolio development • Music, games and contests • Teacher-designed projects • Total Physical Response (T.P.R.) techniques • Student-designed projects <p>Fees & Supplies: Folder, notebook, colored pencils, felt-tip marker and glue stick</p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	French II (WL901) World Languages 1 9, 10, 11, 12 French I (900) <i>or</i> consent of instructor
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Basic/intermediate conversational proficiency in French on everyday topics and in simple situations • Reading and listening to simple language for comprehension • Writing and speaking to express ideas • Language learning skills, processes, and strategies • Cultural awareness and understanding of the French speaking world <p>Activities:</p> <ul style="list-style-type: none"> • Skits and oral presentations • Short stories • Immersion simulation • Portfolio development • Music/games/contests • Partner/group oral practice • Guided writing practice • Total Physical Response (T.P.R.) techniques <p>Fees & Supplies: Folder, notebook, colored pencils, felt-tip marker, glue stick, and French/English Dictionary</p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	French III (WL902) World Languages 1 9, 10, 11, 12 French II (901) <i>or</i> Consent of instructor
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Intermediate conversational proficiency in French on in a variety of real-life situations • Reading and listening to extended language for comprehension • Writing and speaking to express ideas • Language learning skills, processes, and strategies • Cultural awareness and understanding of the French speaking world <p>Activities:</p> <ul style="list-style-type: none"> • Teacher-designed projects • Student-designed projects • Essay writing • Portfolio development • Self-assessment of progress • Games, movies, and music • Partner/group study • Literary circles • Dialogues and presentations • Partner/group oral practice • Immersion simulations <p>Fees & Supplies: French/English – English/French dictionary, folder, notebook, colored pencils, felt-tip markers and glue stick, <i>Bon Voyage</i> Level III workbook (approx. \$16 at school store).</p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	French IV (WL903) World Languages 1 10, 11, 12 French III (902) <i>or</i> consent of instructor
	<p>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.</p> <p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Intermediate/Advanced conversational proficiency in French on in a variety of real-life situations • Reading and listening to extended language for comprehension • Writing and speaking to express ideas • Language learning skills, processes, and strategies • Cultural awareness and understanding of the French speaking world <p>Activities:</p> <ul style="list-style-type: none"> • Student-designed projects • Teacher-designed projects • Essay writing • Portfolio development • Self-assessment of progress • Games, movies, and music • Partner/group study • Literary circles • Dialogues and presentations • Partner/group oral practice • Immersion simulations <p>Fees & Supplies: Students are required to purchase a copy of <i>The Little Prince</i> (approximately \$8).</p>

Course Title:	French V (WL904)
Discipline:	World Languages
Credits:	1
Grade Level:	11, 12
Prerequisites:	French IV (903) <i>or</i> consent of instructor

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.

Skills learned, reinforced, advanced and applied:

- Advanced conversational proficiency in French on in a variety of subjects and situations, including all class business
- Reading and listening to extended language for comprehension
- Writing and speaking to express ideas
- Language learning skills, processes, and strategies
- Cultural awareness and understanding of the French speaking world

Activities:

- Teacher-designed projects
- Student-designed projects
- Essay writing
- Portfolio development
- Self-assessment of progress
- Games, movies, and music
- Partner/group study
- Literary circles
- Dialogues and presentations
- Partner/group oral practice
- Immersion simulations

Fees & Supplies: French/English – English/French dictionary, folder, notebook, colored pencils, felt-tip markers and glue stick.

Course Title:	German I (WL905)
Discipline:	World Languages
Credits:	1
Grade Level:	9, 10, 11, 12
Prerequisites:	None

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.

Skills learned, reinforced, advanced and applied:

- Basic conversational proficiency in German on everyday topics and in simple situations
- Reading and listening to simple language for comprehension
- Writing and speaking to express ideas
- Language learning skills, processes, and strategies
- Cultural awareness and understanding of the German speaking world

Activities:

- Oral communication activities
- Authentic video presentations supporting textbook materials
- Various authentic German language “Realia”
- Written and oral exams
- Presentation of skits

Fees & Supplies: 3-ring binder or folder, notebook or loose-leaf paper and writing utensils.

Course Title:	German II (WL906)
Discipline:	World Languages
Credits:	1
Grade Level:	9, 10, 11, 12
Prerequisites:	German I (905) <i>or</i> consent of instructor

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.

Skills learned, reinforced, advanced and applied:

- Basic/intermediate conversational proficiency in German on everyday topics and in simple situations
- Reading and listening to simple language for comprehension
- Writing and speaking to express ideas
- Language learning skills, processes, and strategies
- Cultural awareness and understanding of the German speaking world

Activities:

- Guided practice
- Writing
- Oral presentations
- Selected readings
- Communication activities
- Internet exploration

Fees & Supplies: 3-ring binder or folder, notebook or loose-leaf paper and writing utensils.

Course Title:	German III (WL907)
Discipline:	World Languages
Credits:	1
Grade Level:	9, 10, 11, 12
Prerequisites:	German II (906) <i>or</i> consent of instructor

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.

Skills learned, reinforced, advanced and applied:

- Intermediate conversational proficiency in German on in a variety of real-life situations
- Reading and listening to extended language for comprehension
- Writing and speaking to express ideas
- Language learning skills, processes, and strategies
- Cultural awareness and understanding of the German speaking world

Activities:

- Guided practice
- Writing
- Oral presentations
- Selected readings
- Communication activities
- Internet exploration

Fees & Supplies: 3-ring binder or folder, notebook or loose-leaf paper and writing utensils.

Course Title: Discipline: Credits: Grade Level: Prerequisites:	German IV (WL908) World Languages 1 10,11, 12 German III (907) <i>or</i> consent of instructor
	<p>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.</p> <p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Intermediate conversational proficiency in German on in a variety of real-life situations • Reading and listening to extended language for comprehension • Writing and speaking to express ideas • Language learning skills, processes, and strategies • Cultural awareness and understanding of the German speaking world <p>Activities:</p> <ul style="list-style-type: none"> • Guided practice • Writing assignments • Oral expressions and communication activities • Selected readings • Viewing and comparing German language videos with historical and/or cultural significance • Internet exploration <p>Fees & Supplies: 3-ring binder or folder, notebook or loose-leaf paper and writing utensils.</p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	German V (WL909) World Languages 1 11, 12 German IV (908) <i>or</i> consent of instructor
	<p>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.</p> <p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Intermediate high conversational proficiency in German on in a variety of subjects and situations, including all class business • Reading and listening to extended language for comprehension • Writing and speaking to express ideas • Language learning skills, processes, and strategies • Cultural awareness and understanding of the German speaking world <p>Activities:</p> <ul style="list-style-type: none"> • Reading and discussing literature selections • Viewing and comparing German language videos with historical and/or cultural significance • Oral and written discussion of videos • Internet research and newspaper readings <p>Fees & Supplies: 3-ring binder or folder, notebook or loose-leaf paper and writing utensils.</p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Spanish I (WL910) World Languages 1 9, 10, 11, 12 None
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Basic conversational proficiency in Spanish on everyday topics and in simple situations • Reading and listening to simple language for comprehension • Writing and speaking to express ideas • Language learning skills, processes, and strategies • Cultural awareness and understanding of the Spanish speaking world <p>Activities:</p> <ul style="list-style-type: none"> • Paired and small group in-class activities • Weekly quizzes and tests • Writing on a variety of topics • Written projects and oral presentations • Conversations <p>Fees & Supplies: Workbook (approximately \$20.00), 3-ring binder, notebook, or loose-leaf paper, 4 tab-dividers, 2 dry erase markers.</p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Spanish II (WL911) World Languages 1 9, 10, 11, 12 Spanish I (910) <i>or</i> consent of instructor
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Basic/intermediate conversational proficiency in Spanish on everyday topics and in simple situations • Reading and listening to simple language for comprehension • Writing and speaking to express ideas • Language learning skills, processes, and strategies • Cultural awareness and understanding of the Spanish speaking world <p>Activities:</p> <ul style="list-style-type: none"> • Paired and small group in-class activities • Weekly quizzes and tests • Written projects and oral presentations • Writing on a variety of topics <p>Fees & Supplies: 3-ring binder, notebook, or loose-leaf paper, 2 dry erase markers.</p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Spanish III (WL912) World Languages 1 9, 10, 11, 12 Spanish II (911) <i>or</i> consent of instructor
	<p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Intermediate conversational proficiency in Spanish on a variety of real-life situations • Reading and listening activities to enhance language acquisition • Writing and speaking to express ideas • Language learning skills, processes, and strategies • Cultural awareness and understanding of the Spanish speaking world <p>Activities:</p> <ul style="list-style-type: none"> • Guided practice in pairs or small groups • Conversations • Weekly quizzes • Writing on a variety of topics • Reading with language learner literature <p>Fees & Supplies: 3-ring binder, notebook or loose-leaf paper, highlighters.</p>
Course Title: Discipline: Credits: Grade Level: Prerequisites:	Spanish IV (WL913) World Languages 1 10, 11, 12 Spanish III (912) <i>or</i> consent of instructor
	<p>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.</p> <p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Intermediate/Advanced conversational proficiency in Spanish on a variety of real-life situations • Reading and listening activities to enhance language acquisition • Writing and speaking to express ideas • Language learning skills, processes, and strategies • Cultural awareness and understanding of the Spanish speaking world <p>Activities:</p> <ul style="list-style-type: none"> • Projects • Writing on a variety of topics • Reading short stories • Speaking the language with guided practice, dialogues, and presentations • Written and oral tests • Movies related to curriculum/culture <p>Fees & Supplies: 3-ring binder, notebook, or loose-leaf paper.</p>

Course Title: Discipline: Credits: Grade Level: Prerequisites:	Spanish V (WL914) World Languages 1 11, 12 Spanish IV (913) <i>or</i> consent of instructor
	<p>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.</p> <p>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.</p> <p>Skills learned, reinforced, advanced and applied:</p> <ul style="list-style-type: none"> • Advanced conversational proficiency in Spanish on a variety of subjects and situations, including all class business • Reading and listening activities to enhance language acquisition • Writing and speaking to express ideas • Language learning skills, processes, and strategies • Cultural awareness and understanding of the Spanish speaking world <p>Activities:</p> <ul style="list-style-type: none"> • Projects • Writing on a variety of topics • Speaking the language with guided practice, dialogues, presentations, and classroom discussions • Written and oral exams • Movies related to curriculum/culture <p>Fees & Supplies: 3-ring binder, notebook.</p>