

ARLINGTON HIGH SCHOOL

CURRICULUM GUIDE

2023-2024

Welcome to Arlington High School! We are excited about the many educational opportunities available to you as a member of our school. This curriculum guide has been developed to furnish students and parents with information that will be necessary for them to select an appropriate high school schedule. Because the needs of each student are so varied, it may be necessary that you supplement this information by talking with your teachers, your counselor, or your principal. Our varied curriculum offers many opportunities both at Arlington High School and at Millstream Career Center, as well as through College Credit Plus. We want to work with both students and parents to select courses from the curriculum that will best serve the needs of each individual student. We have worked to make our curriculum guide more “parent-friendly” and would like to encourage you to call with any questions. We’ll be happy to assist in any way that we can!

Registration of New Students:

Registration is under the direction of the counselor and the high school principal. New students coming into Arlington shall be interviewed by the counselor or principal before a course of study is planned and classes scheduled. Previous school records are also required before plans can be finalized.

Classification:

1. A student promoted from the eighth grade is enrolled as a Freshman in Arlington High School.
2. A student who has earned five units of credit toward graduation is classified as a Sophomore.
3. A student who has earned ten units of credit toward graduation is classified as a Junior.
4. A student who has earned fifteen units of credit toward graduation is classified as a Senior.
5. A student who has earned 22 units of credit, taken all the required coursework, and has passed the state requirements, will be eligible to graduate.

Scheduling of Classes:

1. Each student shall carry at least 5.5 credits per semester.
2. Students will make all schedule changes prior to the first day of school, unless permission is granted by the high school principal.

Failures:

Any failure in a high school subject will mean the loss of a credit in that subject.

Requirements for Arlington High School Graduation

22 Credits

- 4 Credits of English
- 4 Credits of Math—which shall include one unit each of Algebra I, Geometry, and Algebra II or Algebra II Concepts
- 3 Credits of Science—with inquiry-based laboratory experience that engages students in asking valid scientific questions and gathering and analyzing information, which shall include the following or their equivalent:
 - 1 Credit of a Physical Science
 - 1 Credit of Biology
 - 1 Advanced study in one or more of the following sciences—
Chemistry, Physics, Biology, Animal & Plant Science
- 3 Credits of Social Studies
 - 1 Credit of American History
 - 1 Credit of World History
 - 1 Credit of American Government

- 0.5 Credit of Computer Applications in the Workplace
- 0.5 Credit of Communications 110
- 0.5 Credit of Physical Education (or successful completion of the PE waiver)
- 0.5 Credit of Health
- 5 Credits of Electives (which shall include 0.5 credit of Economics and Financial Literacy, and an additional 0.5 credit of electives if completing the PE waiver)
- 1 Credit of Fine Art (which shall include either Instrumental Music, Choir, or Art)

Permanent Graduation Requirements Class of 2023 and Beyond

State law created new, permanent requirements for graduation starting with the class of 2023. These permanent requirements are listed below:

1. **Demonstrate Competency:** Students must demonstrate competency in Math and English by passing the state’s Algebra I and English II tests with a score of 684 or higher. Students who have taken required tests more than once without passing and have received remedial supports are able to show competency through one of the options below:
 - Earn credit for one Math and/or one English course through College Credit Plus;
 - Demonstrate career readiness and technical skill through foundational and supporting options;
 - Enter into a contract to enlist in the military upon graduation.
2. **Demonstrate Readiness:** Students must earn two diploma seals, one of which must be state defined, to demonstrate academic, technical and professional readiness for careers, college, or the military or self-sustaining professions.

State System of Diploma Seals	
OhioMeansJobs Readiness Seal	Honors Diploma Seal
State Seal of Biliteracy	Technology Seal
Industry-Recognized Credential Seal	Citizenship Seal
College-Ready Seal	Fine and Performing Arts Seal (locally defined)
Military Enlistment Seal	Student Engagement Seal (locally defined)
Science Seal	Community Service Seal (locally defined)

Further information can be found at education.ohio.gov/Topics/Ohio-s-GraduationRequirements

Eligibility

The Arlington Local School Board of Education recognizes that there is a need for academic pre-requisites for participation in co-curricular activities. It is the student's responsibility to take the required number of credits each nine weeks to maintain eligibility. Special care should be taken with physical education which awards $\frac{1}{4}$ credit for 1 semester class period. Before student-athletes change their schedules, they should confirm with their coach, the athletic director, and the school counselor that changing their schedule does not jeopardize their eligibility.

High School Eligibility—In order to be eligible for extracurricular activities in grades 9-12, a student must be currently enrolled and must have been enrolled in school the preceding grading period. During the preceding grading period, the student must have received passing grades in a minimum of five one-credit courses or the equivalent, which count toward graduation. He/She must have also achieved a 1.0 GPA the previous grading period, at which time the grades from the preceding grading period come into effect. For Ohio High School Athletic Association purposes, a College Credit Plus course worth 3 semester hours is equivalent to a 1-credit high school course. Work closely with the counselor for co-curricular and extracurricular eligibility.

Junior High Eligibility—A student enrolled in the first grading period after advancement from the eighth grade must have received passing grades in a minimum of five of all subjects in which enrolled the preceding grading period. He/She must have also achieved a 1.0 GPA the previous grading period. A student enrolling in the seventh grade for the first time will be eligible for the first grading period regardless of previous academic achievement. Thereafter, in order to be eligible, a student in grade 7 or 8 must be currently enrolled and must have been enrolled in school the preceding grading period and received passing grades in a minimum of five of all subjects in which enrolled. He/She must have also achieved a 1.0 GPA the previous grading period.

COLLEGE ADMISSIONS TEST INFORMATION

1. It is required that juniors take the ACT or the SAT during the spring of their 11th grade year and is recommended that students test again before October of their 12th grade year.
2. All colleges accept both the ACT and SAT. You may want to take both the ACT and the SAT as some students test stronger on one test than the other. Students attending a community or tech college may choose to take an Accuplacer test instead.
3. Registration information for all of these tests is available in the counseling office. It is highly recommended to take an ACT Prep course, which is offered at Liberty-Benton High School two times a year.
4. It is the student's responsibility to complete the online registration for each test. The school counselor can offer assistance when needed.
5. Preparation Tips:
 - a. Take the ACT/SAT review course. Information is made available in the Counseling Office and the Arlington School Website.
 - b. Obtain and study the current and official descriptive materials for the test. Your counselor can also be of assistance with these materials.
 - c. Take at least one practice test under the same time limits as an actual test.
 - d. Take the preliminary SAT (PSAT) as a junior. Qualifying sophomores might consider taking it as well. This is the National Merit Scholarship Qualifying Test for juniors.
 - e. Review areas of knowledge where the practice test showed a weakness.
 - f. Explore the help and support that may be available to you from your school and other resources.

- g. Retest if, after taking the test the first time, you found you were not familiar or comfortable with the test procedures, or if your score was lower than your reasonable expectations.
6. Test Dates:
- PSAT October—given during the school day.
 - AP Tests May—Although AP courses are not offered at AHS, students may still take.

*****2023-2024 dates are anticipated, NOT final*****

	ACT	SAT	
	September 9, 2023	August 26, 2023	
	October 21, 2023	October 7, 2023	
	December 9, 2023	November 4, 2023	
	February 10, 2024	December 2, 2023	
	April 13, 2024	March 9, 2024	
	June 9, 2024	May 4, 2024	
	July 13, 2024	June 1, 2024	

College Application and Financial Aid Information:

This is both an exciting and scary time for seniors and their parents. It is even more so if this is your first time to have a senior! Rest assured, we are here to help! Please feel free to ask any questions or allow us to assist you in this process!

During your child’s senior year, monthly guidelines include:

September:

1. Sign up to attend informational meetings with college reps who visit the high school.
2. Create a Google Doc of some form to keep all login IDs and passwords together for all accounts related to your college application process. This will come in handy throughout the year!
3. Consider registering to take the ACT/SAT one more time if applicable.
4. Finalize your college choice list. It is suggested that applications are submitted to 3-5 colleges unless you only have one school of choice. A second choice in this case should be made as a backup plan in case of denial to school of first choice.
5. Continue applying to colleges or begin applying if you have not done so yet. Review the Common Application online and know what school(s) of interest use this format.
6. Letters of Recommendation:
 - a. Several of college applications will require letters of recommendation in order to submit your application. Consider asking teachers, administrators, coaches, a boss, or a school counselor to write one on your behalf.
 - b. Always allow ample time between contacting the people whom you wish to write letters of recommendation and when the letters are due.
 - c. Always provide a resume and/or Brag Sheet to the recommender.
 - d. Provide self-addressed, stamped envelopes when necessary.
 - e. Always send thank you notes to anyone who has taken the time to write letters of recommendation.

7. From now until the end of the school year, make sure you read all emails from the school counselor and watch for other forms of communication for up-to-date information on all things related to the college application process and scholarship opportunities.
8. Explore and complete scholarship applications.

October:

1. It should be your goal to apply to college by October 1st if possible.
2. If you have not submitted your college applications by October 1st, continue to review the Common Application online and know what schools of interest use this format. For schools that do not use the Common Application, you will have to apply to each school individually through the institution's respected website.
3. The Free Application for Federal Student Aid (FAFSA) opens October 1st. The sooner you apply, the more likely you will be to receive grants and loans from the government. Visit studentaid.gov to apply and learn about college's priority deadline(s).
4. Male students over 18 must register with the Selective Service to be eligible for state and federal aid. Selective Service members are required for all colleges. In order to register for the Selective Service visit sss.gov and select "Register".
5. Schedule College visits.
6. Take the ACT and/or SAT one last time.
7. Explore and complete scholarship applications.

November:

1. Finalize and complete your remaining college applications to the colleges/universities of your choice. Be sure to observe deadlines!
2. Explore and complete scholarship applications.

December-February:

1. Compare the colleges you have chosen as acceptance letters start rolling in.
2. Review all financial aid information from colleges.
3. Review financial aid packages sent from the colleges.
4. Review the SAR Report from the FAFSA.
5. Review loan programs.
6. Explore and complete scholarship applications.

March:

1. Local scholarship applications must be submitted to the counseling office. Observe all deadlines.
2. Begin applying for much needed summer jobs!

April:

1. If you are still deciding between a couple of colleges, consider making a visit to each school and talk with someone in the financial office.
2. Decide which college you will attend and forward your deposit by May 1st.

May:

1. Decide which college you will attend and forward your deposit by May 1st.
2. Request that a final transcript be sent to the college that you have chosen through Parchment.
3. If participating in college athletics, request that proper information be sent to the NCAA Eligibility Center.

College Credit Plus

Eligible students can take a course and earn high school and college credit that appears on both their high school and college transcripts through the College Credit Plus program. Courses taken must apply to a degree or professional certificate. Ohio public school districts and Ohio public colleges must participate in College Credit Plus. Nonpublic colleges or universities may choose to participate. To participate students must meet the admission standards of the participating college or university to which they apply for enrollment. There is no cost for the student to participate when the student is enrolled in a public college or university. Students choosing to enroll in a participating private college may incur costs.

To enroll in College Credit Plus the student's parent MUST attend the mandatory College Credit Plus meeting scheduled in January at Arlington High School. Participation notification forms must be completed by April 1 to qualify or receive Superintendent approval. Scheduling forms for fall entrance are due in July to the university of choice, in November/December for spring entrance, and in April/May for summer entrance.

On-Site College Credit Plus Classes 2022-2023

University of Findlay

ENGL 104 College Writing I: Introduction to Academic Writing

**3 Semester Hours
1 credit at AHS**

This course emphasizes the development of essential college level writing skills through the research, planning, drafting, writing, and revision of a variety of essays, including narrative, analytical, and argumentative genres. The focus of this course is the development of rhetorical skills that will allow students to effectively demonstrate their critical thinking and analytical skills, as well as their ability to utilize conventional standards of style and usage to satisfy the goals of college level writing curricula at any college or university.

ENGL 106 College Writing II

**3 Semester Hours
1 credit at AHS**

This course seeks to build on the skills that were developed in ENGL 104 through the use of analytical and persuasive techniques. In addition, this course will also require students to develop their own research questions to explore through the analysis of primary sources, use of rhetorical questioning, and application and refinement of writing processes that were presented in ENGL 104.

Note: ENGL 104 and ENGL 106 are offered together as a year long course of study. The completion of these two course will fulfill the Undergraduate English course requirements at most colleges and universities.

ENGL 205 Literature Appreciation

**3 Semester Hours
1 credit at AHS**

This is an introductory course that focuses on the exploration and analysis of various literary works, across a range of genres. The course, which is designed for first-year students stresses the development of individual thought, questioning, and discussion through literature.

COMM 110

**3 Semester Hours
1 credit at AHS**

This course, which is designed for first-year college students, seeks to develop strong oral communication skills, while also further reinforcing the use of rhetoric to develop strong arguments and utilize sound reasoning when communicating.

Note: Students seeking to satisfy their college or university's Freshman English requirements should enroll in ENGL 104 and ENGL 106. COMM110 is an elective course that would be accepted at most colleges and universities.

Rhodes State College

Full Year Course Only

CHM 1110 – Introductory General Chemistry
***Ohio Transfer Module Course**

Elective: 1 credit at AHS
4 Credit Hours

Prerequisites: Junior or Senior Status, successful completion of Chemistry I (grade “C” or higher), High School Algebra II (grade “C” or higher)

Provides a foundation in basic principles of general chemistry. Topics include methods of measurement, temperature and heat, atomic structure, nuclear chemistry, bonding, nomenclature, gas laws, chemical reactions, stoichiometry, solutions, acid-base chemistry and chemical equilibrium.

PHY-1120 Physics I
***Ohio Transfer Module Course**

Elective: 1 credit at AHS
4 Credit Hours

Prerequisites- Senior status, High School Algebra II (grade “C” or higher)

Introduces applied mechanical physics, which includes: Vector forces, momentum, constant acceleration trajectories, friction, concepts of simple machines, rotary motion, work, power, energy, torque, simple harmonic motion, waves & sound, solid & fluid properties, heat & thermodynamics and kinetic theory of gases. Algebra-based.

CPT 1250- Computer Applications in the Workplace
Semester Course Only
Grades 10-12

Required: 1 credit at AHS
3 Credit Hours

Introduces students to essential concepts in computer terminology, hardware components, operating systems, and software issues. The student will have a hands-on introduction to word processing, spreadsheet, presentation, and database software using the Windows operating environment. Students will be required to prepare letters, reports, and other documents and will be required to import data between the word processing and spreadsheet software applications. Proficiency exams on Windows, Word, Excel, Access, and PowerPoint will be given. Some keyboard experience is recommended before taking this class.

Students will apply as CCP Students to Rhodes State and earn dual-credit. This course is also recognized as a Technology Seal on student’s diploma.

Owens Community College

Spring Semester Only

GOV 111 American Government
***Ohio Transfer Module Course**

3 Semester Hours
1 credit at AHS

Introduces the American political system with emphasis on the national levels. Covers the function and dynamics of formal and informal structures, the three branches of government, Constitutions, political parties, elections, civil rights, liberties, mass media and interest groups. (Social and Behavioral Science elective).

STUDENT SCHEDULES

9th Grade

Students must register for at least six credits and no more than eight.

Courses Required for Freshman:

English 9 or Advanced English 9	1.00 credit
Fundamentals of Mathematics, Algebra I, Geometry	1.00 credit
Biology	1.00 credit
American History	1.00 credit

Courses often taken during the freshman year; required for graduation:

High School Physical Education—one semester	0.25 credit
Health—one semester	0.50 credit

Electives:

Course	Credit	Course	Credit
Art I	1.00	Engineering/Drafting	0.50
Choir	1.00	CAD	0.50
Band	1.00	Home Maintenance	1.00
French I or II	1.00	Agriculture, Food and Natural Resources	1.00

Physical Education and Health combine to use only one period and fit nicely into a 9th grade schedule.

STUDENT SCHEDULES

10th Grade

Students must register for at least six credits and no more than eight.

Courses Required for Sophomores:

English 10 or Advanced English 10	1.00 credit
Algebra I, Geometry, or Algebra II or Algebra II Concepts	1.00 credit
Physical Science or Chemistry	1.00 credit
Modern World History	1.00 credit
Health- one semester	
High School Physical Education	0.25 credit
Computer Applications in the Workplace	1credit
Communications 110	0.50 credit

Electives:

Course	Credit	Course	Credit
Speech	0.50	Computer Applications II	0.50
Graphic Design/ Yearbook	1.00	Engineering/ Drafting	0.50
Health	0.50	CAD	0.50
Art I	1.00	Home Maintenance	1.00
Art II	1.00	Furniture Making	1.00
Chorus	1.00	Agri-Pathways (several)	1.00
Band	1.00		
French I	1.00		
French II	1.00		
French III	1.00		

STUDENT SCHEDULES

11th Grade

Students must register for at least six credits and no more than eight.

Courses Required for Juniors:

English 11 or Advanced English 11	1.00 credit
Geometry, Algebra II Concepts, Algebra II, or Pre-Calculus	1.00 credit
Active Biology, Chemistry, Biology II, or Chemistry II/CCP Chemistry	1.00 credit
American Government	1.00 credit
Economics and Financial Literacy (Grades 11 or 12)	0.50 credit
Communications 110 (Grades 10, 11, or 12)	0.50 credit

Electives:

Course	Credit	Course	Credit
Ethics	0.50	Computer Applications In the Workplace	1.00
Social Psychology	1.00	Media Writing	1.00-2.00
Art I	1.00	Contemporary World Issues	1.00
Art II	1.00	Computer Applications II	0.50
Art III	1.00	Graphic Design/ Yearbook	1.00
Chorus	1.00	Engineering/Drafting	0.50
Band	1.00	CAD	0.50
Furniture Making	1.00	High School Physical Education	0.25
Agri-Pathways (several)	1.00	Millstream	3.00
French I	1.00		
French II	1.00		
French III	1.00		
French IV	1.00		

STUDENT SCHEDULES

12th Grade

Students must register for at least six credits and no more than eight.

Courses Required for Seniors:

Vocational English 12, English 12, Advanced English 12	1.00 credit
Algebra II Concepts, Algebra II, Consumer Math, Pre-Calculus, or Calculus	1.00 credit
Economics and Financial Literacy (Grades 11 or 12)	0.50 credit
Communications 110 (Grades 10, 11, or 12)	0.50 credit

Electives:

Course	Credit	Course	Credit
Ethics	0.50	College Experience	0.50
Social Psychology	1.00	Computer Applications In the Workplace	1.00
Media Writing	1.00	Contemporary World Issues	1.00
Art I	1.00	Graphic Design/Yearbook	1.00
Art II	1.00	Engineering/Drafting	0.50
Art III	1.00	CAD	0.50
Art IV	1.00	Furniture Making	1.00
Chorus	1.00	Senior Project	1.00
Band	1.00	Agri-Pathways (several)	1.00
High School Physical Education	0.25	Computer Applications II	0.50
French I	1.00	Millstream	3.00
French II	1.00		
French III	1.00		
French IV	1.00		
French V	1.00		
Chemistry	1.00		
Active Biology	1.00		
Biology II	1.00		
Physics/CCP Physics	1.00		
Chemistry II/CCP Chemistry	1.00		

AGRISCIENCE STUDY

Students have an opportunity to study in the area of Agriscience. The course time is divided between lecture, classroom, and shop experience. Students who enter this program are expected to have SAE or Supervised Agricultural Experience projects which occur outside of the school day and carry through the summer months. One credit will be awarded for each year of enrollment. These classes are “hands on” or “learn by doing” courses, which help students acquire real life skills which are desperately needed in today’s society. Membership in the FFA is also mandatory for all students enrolled in Agriscience courses. This student-led organization involves several events outside of school, and serves to provide students with real job and career skills.

750 Agriculture, Food and Natural Resources

Elective: 1 credit

This first course in the career field is an introduction to Agricultural and Environmental Systems. Students will examine principles of food science, natural resource management, animal science & management, plant & horticultural science, power technology and bioscience. Throughout the course students will develop communication, leadership, and business skills essential to the agriculture industry. Students in this course will be required to be enrolled in the FFA organization and develop a Supervised Agricultural Experience project.

754 Animal and Plant Science

Science OR Elective: 1 credit

Pre-Requisite—Agriculture, Food and Natural Resources AND at least a “C” in previous Ag courses. This course may not be used in place of Biology I, Physical Science, or Chemistry requirements. This course can only be used for your third science credit.

Student will apply knowledge of animal and plant science to the agriculture industry. They will be introduced to the value of production animals relative to the agricultural marketplace. Students will engage in animal classification and selection, body systems, along with animal welfare and behavior in relation to the production of animals. Students will learn principles of plant anatomy and physiology, and the role of nutrition, deficiencies, and growing environment on plant production. Throughout the course, business principles and professional skills will be examined. Students in this course will be required to be enrolled in the FFA organization and develop a Supervised Agricultural Experience project.

759 Mechanical Principles Elective: 1 credit

Pre-Requisite—Agriculture, Food and Natural Resources, AND at least a “C” in previous Ag courses.

Students will engage in the mechanical principles utilized in animal and plant production systems. They will learn electrical theory, design, wiring, hydraulic and pneumatic theory, along with metallurgy in relation to hot and cold metals. Students will apply knowledge of sheet metal fabrication applicable to the agricultural industry. Students will also identify, diagnose, and maintain small air-cooled engines. Throughout the course, students will learn critical components of site and personal safety as well as communication and leadership skills. Students in this course will be required to be enrolled in the FFA organization and develop a Supervised Agricultural Experience project.

751 Business Management for Agricultural and Environmental Systems Elective: 1 credit

Pre-requisite—Agriculture, Food and Natural Resources, AND at least a “C” in previous Ag courses.

Students will examine elements of business, identify organizational structures and apply management skills while developing business plans, financial reports, and strategic goals for new ventures or existing businesses. Learners will use marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion and pricing strategies. Throughout the course, students will apply concepts of ethics and professionalism while implications of business regulations will be identified. Students in this course will be required to be enrolled in the FFA organization and develop a Supervised Agricultural Experience project.

760 Agricultural and Environmental Systems Capstone Elective: 1 credit

Pre-requisite—Three Ag courses AND at least a “C” in previous Ag courses AND recommendation of the Agri-science teacher. This course will take place in Independent Study Format only.

Students apply Agricultural and Environmental Systems program knowledge and skills in a more comprehensive and authentic way. Capstones and project/problem-based learning opportunities occur both in and away from school. Under supervision of the school and through partnerships, students combine classroom learning with work experience to benefit themselves and others. These can take the form of mentorship employment, cooperative education, apprenticeships, and internships. Students in this course will be required to be enrolled in the FFA organization and develop a Supervised Agricultural Experience project.

*****Enrollment in any Agri-Science class also enrolls the student into The Arlington Chapter of the National FFA Organization*****

ENGLISH STUDY

Each student must be enrolled in and successfully complete four credits of English. Although general and advanced classes are offered in each grade, previous English grades, recommendations, and scheduling conflicts may require you to take another course than the one requested. Semester courses are electives and cannot take the place of a required course.

Any English class may have a paperback fee.

011 ENGLISH 9

Required: 1 credit

This class teaches the basic language skills of speaking, writing, vocabulary, spelling, reading, and listening. Formal writing, research, using MLA, and creative writing are presented. Students are expected to read, to comprehend, to interpret, and to evaluate literature including fiction, non-fiction, poetry, plays, short stories, and novels. Specific writing forms covered in the ninth grade will include narrative, expository, and persuasive writing with a focus on the writing process (brainstorming, rough draft, editing, proofreading, publication).

OR

012 ADVANCED ENGLISH 9

Required: 1 credit

Pre-requisite—Grade of a “B” or better in English 8 AND Teacher Recommendation/Signature (Mandatory)

This course is a faster-paced, more intense, and broader coverage of English 9.

021 ENGLISH 10

Required: 1 credit

This course continues the development of language skills: writing, reading, speaking, and listening. Emphasis is placed upon written expression and how to properly research materials, using MLA, to produce a well-written and correctly cited research paper. In addition, students will be required to complete various assessments associated with the Ohio’s Common Core Standards as well as career exploration. Students will also read, analyze, and interpret grade-appropriate novels.

OR

022 ADVANCED ENGLISH 10

Required: 1 credit

Pre-requisite—Grade of a “B” or better in English 9 or Advanced English 9 AND Teacher Recommendation/ Signature (Mandatory)

This course is a faster-paced, more intense, and broader coverage of English 10 and may include summer reading.

031 ENGLISH 11

Required: 1 credit

This course presents a chronological survey of American Literature from pre-colonial times up to present day. Emphasis is placed on how the literature and historical events of that period are related. Students are expected to read grade-level novels. The course will develop the following skills: written and oral communication, vocabulary, spelling, correct grammar and mechanics, and analytical skills. ACT preparation will also be a point for emphasis in this course.

OR

032 ADVANCED ENGLISH 11

Required: 1 credit

Pre-requisite—Grade of a “B” or better in English 10 or Advanced English 10 AND Teacher Recommendation/ Signature.

This course is for those planning to attend a four-year college. An in-depth chronological survey of American Literature from pre-colonial times up to the present day is presented in this course. Numerous novels and plays will be utilized in conjunction with selections from the American Literature textbook. Emphasis is placed on how the literature and historical events of each period are related, and how they have shaped contemporary writing. The writing of this course is a culmination of prior years with an emphasis on synthesizing information from multiple sources, analysis of both fiction and non-fiction reading, and proper application of MLA standards. ACT preparation will also be a point for emphasis in this course.

040 CAREER PREP ENGLISH 12:**1 credit**

This course prepares students to join the work force after high school. The course will include a blend of literature studies, career exploration, personal skills and strengths assessments, and business/vocational reading and writing. Emphasis will be placed on reading comprehension, critical thinking, interpersonal communication, and effective writing skills for obtaining employment after graduation. This course is recommended for students who are not planning to attend a four-year college or university after graduation.

OR**041 COLLEGE PREP ENGLISH 12: ENGLISH FOR COLLEGE READINESS****Required: 1 credit**

This course prepares students for college through a blend of British literature as well as college exploration and planning activities. Emphasis will be placed on reading comprehension, critical thinking, and development of college level writing skills. Reading will include plays, novels, and informational text designed to expose students to a variety of genres and topics. The focal points for writing will include analysis, synthesis, and effective use of a variety of rhetorical strategies to formulate various written documents. Time will also be spent on exploration of career interests, personal strengths, and college options in order to help students to identify potential majors and colleges/universities that will best meet their future goals.

OR**COLLEGE CREDIT PLUS****Through the University of Findlay****ENGL 104 College Writing I: Introduction to Academic Writing****3 Semester Hours****1 credit at AHS**

This course emphasizes the development of essential college level writing skills through the research, planning, drafting, writing, and revision of a variety of essays, including narrative, analytical, and argumentative genres. The focus of this course is the development of rhetorical skills that will allow students to effectively demonstrate their critical thinking and analytical skills, as well as their ability to utilize conventional standards of style and usage to satisfy the goals of college level writing curricula at any college or university.

ENGL 106 College Writing II**3 Semester Hours****1 credit at AHS**

This course seeks to build on the skills that were developed in ENGL 104 through the use of analytical and persuasive techniques. In addition, this course will also require students to develop their own research questions to explore through the analysis of primary sources, use of rhetorical questioning, and application and refinement of writing processes that were presented in ENGL 104.

Note: ENGL 104 and ENGL 106 are offered together as a year long course of study. The completion of these two course will fulfill the Undergraduate English course requirements at most colleges and universities.

ENGL 205 Literature Appreciation**3 Semester Hours****1 credit at AHS**

This is an introductory course that focuses on the exploration and analysis of various literary works, across a range of genres. The course, which is designed for first-year students stresses the development of individual thought, questioning, and discussion through literature.

COMM 110**3 Semester Hours/Required: 0.50 credit****Grades 10-12****Semester Course**

Students can elect to take this course for college credit (3 semester hours), or they can choose to take the course for high school credit only (0.50 credit).

Students who choose to take the course for college credit will need to fulfill the University of Findlay's application requirements including being accepted into the university and earning a qualifying AccuPlacer or ACT score.

This course seeks to develop strong oral communication skills, while further reinforcing the use of rhetoric to develop strong arguments and utilize sound reasoning when communicating. Students will learn to research, outline, and prepare different types of speeches (informative, demonstrative, and persuasive) as well as learn how to adapt their voice to a variety of informal and professional presentation scenarios including speeches delivered in the workplace, on stage, in radio, podcasting, interviewing, and more.

Note: When taken for college credit, COMM 110 is an elective course that would be accepted at most colleges and universities.

066 MEDIA WRITING**Elective: 1 credit****Grades 10, 11, 12****Pre-requisite**—Teacher recommendation AND must have taken Advanced English 9

This course will focus on journalism, communications, photography, and marketing. Students in this class will be responsible for reporting, interviewing, photographing, writing, and revising news and articles for the Arlington School website. This class is student led so motivation and time management are essential skills needed for this course. In addition, students will be introduced to digital design and marketing techniques which will include social media. Furthermore, students may be responsible for posting/editing/removing all types of mediums on the website.

067 Webmaster**Elective: 1 credit**

Responsibilities include managing day to day activity for the website, being responsible for after school content, and being knowledgeable of the backpage.

068 Content Editor**Elective: 1 credit**

Responsibilities include managing the Read and Black, creating content, and editing & revising articles for the website. Furthermore, the content editor peruses the website frequently to ensure all material is posted accordingly.

FINE ARTS STUDY

The Fine Arts at Arlington High School are made up of four different departments: Visual Arts, Computer/Graphic Arts, Industrial Arts/Technologies, and the Musical Arts

VISUAL ARTS

From the beginning drawings of a first-grader to the finest project of a high school artist, the goal of the Art Department is to instill a love and appreciation for the expressive qualities of visual arts. To achieve this, instruction includes some basic fundamental skills such as drawing, color scheming, working with different dimensions, and learning different techniques in many different media. It also works to build an effective side, a deep creative ability to express yourself through art, and to create a lifelong interest in the artwork of others.

COMPUTER/ GRAPHIC ARTS

Computers have become an integral part of the world in which we live, and will be even more so in the world our students will inherit as adults. In order to succeed in their academic, business, and personal lives, students will need to be comfortable using computers. More importantly, students will need to have the knowledge and skills to adapt to what lies ahead. Our curriculum recognizes the inevitable changes in computer technology. The use of computers can extend and enrich students' learning in important and unique ways. Students at Arlington are encouraged to use computers for a variety of purposes.

INDUSTRIAL ARTS/ TECHNOLOGIES

Students may elect to study in the Industrial Arts area at any time during their four years of high school. Most courses are designed to take at any of the four grade levels. We offer a blend of classroom, demonstration, and shop experiences. Many of the Industrial Arts offerings would be of benefit to those interested in engineering, technical work, interior design, carpentry, and many other careers.

MUSICAL ARTS

The Musical Arts provide students with two opportunities to express and develop their musical talents: vocal music and instrumental music. Parents of students in music performance groups are members of the Arlington Music Boosters, the support group which utilizes parent workers to support their children in the band and choir programs.

The Vocal Music Department offers the high school concert choir and additional choral groups at the director's discretion. Vocal groups perform at least three times a year; attendance by the members of the vocal groups is required at all performances. Additional performance opportunities are available to choir members during the year by auditioning for, and being accepted to, District Honor Choir and All-County Choir. While private lessons are not required for vocal students, private vocal study is strongly encouraged.

The Instrumental Music Department offers high school band. Instrumental groups perform numerous times a year; attendance by the members of the band is required at all performances. Additional performance opportunities are available to band members during the year by auditioning for, and being accepted to, District Honor Band and/or All-County Band. While private lessons are not required for band students, private instrumental study is strongly encouraged.

In addition to vocal and instrumental class offerings, the Music Department offers two non-performance electives for students: Music History and Music Theory. Specific information regarding music courses is written in the individual course descriptions.

VISUAL ARTS

511 ART I **Elective: 1 credit**
Recommended for 9th Grade

This is an introductory course where students are offered the opportunity to gain experience and appreciation in the visual arts. They will be introduced to art history and a variety of media including graphics, paint, ink, glass, and clay in both two- and three-dimensional areas.

521 ART II **Elective: 1 credit**
Recommended for 10th Grade
Pre-requisite—Successful completion of Art I.

This course further develops the art experiences learned in Art I. Students will also gain more knowledge of famous artists and be able to identify their work.

531 Art III **Elective: 1 credit**
Recommended for 11th Grade
Pre-requisite—Successful completion of Art I and Art II.

This course emphasizes the developing and maintaining of all art techniques. The students will also begin to develop their own artistic style.

541 ART IV **Elective: 1 credit**
Recommended for 12th Grade
Pre-requisite—Successful completion of Art I, Art II, Art III.

In this course, students are now at the level of mastering the art techniques learned in previous art course levels. Student are also taught how to mat their artwork.

In all classes, students are offered the opportunity to gain experience and appreciation in the visual arts through an introduction to art historical evidence and through the use of a variety of materials.

COMPUTER/ GRAPHIC ARTS

CPT 1250- Computer Applications in the Workplace Semester Course Only

**Required: 1 credit at AHS
3 Credit Hours**

Grades 10-12

Introduces students to essential concepts in computer terminology, hardware components, operating systems, and software issues. The student will have a hands-on introduction to word processing, spreadsheet, presentation, and database software using the Windows operating environment. Students will be required to prepare letters, reports, and other documents and will be required to import data between the word processing and spreadsheet software applications. Proficiency exams on Windows, Word, Excel, Access, and PowerPoint will be given. Some keyboard experience is recommended before taking this class.

Students will apply as CCP Students to Rhodes State and earn dual-credit. This course is also recognized as a Technology Seal on student's diploma.

572 COMPUTER APPLICATIONS II:

Elective: 0.50 credit

Pre-requisite—Student must have had a "C" or better in Computer Applications in the workplace.

This project-based curriculum will explore various Adobe Creative Cloud applications such as Adobe Photoshop, Adobe Illustrator, and Adobe Premiere Pro. Students will learn the basics of each program while being given opportunities to create freely. Students will enhance their communication, collaboration, creativity, and critical thinking skills through technology preparing them for school, work, and life. Students will work at their own pace while adhering to the deadlines provided by the teacher.

575 GRAPHIC DESIGN/ YEARBOOK

Elective: 1 credit

Grades 10-12

Pre-Requisite—Teacher approval through an application and interview process.

The Graphic Design/Yearbook class will focus on the overall design process for creating the school's Yearbook. Photography skills, graphic design, Adobe Photoshop and Illustrator, page layout, design, and marketing/ad sales will be some of the topics covered in this course. Students will also be responsible for taking pictures, designing page templates, fund raising, and assembling the completed yearbook. Students need to be self-motivated, demonstrate effective organization and time management skills, and be responsible for meeting deadlines. Grading for this course will be based on attendance at meetings, completion of assigned tasks, and taking pictures at events. Even though a majority of the work for this course will be completed in class, students will be expected to work outside of class time on a variety of activities for this course.

INDUSTRIAL ARTS TECHNOLOGIES

611 ENGINEERING DRAFTING **Elective: 0.50 credit**
Grades 9-12

Engineering drafting is an introductory course in drafting procedures. Students will learn how to communicate an idea or a plan in picture-like form. They will also learn how to read drawings, properly use drawing instruments, and how to illustrate their drawings in various ways. Students planning on attending college, university or technical schools as an engineer, technician or interior design major should definitely take this course.

614 CAD-COMPUTER ASSISTED DRAFTING **Elective: 0.50 credit**
Grades 9-12
Pre-requisite—Recommend Engineering Drafting

This course is to introduce the components to a CAD system, the fundamentals of engineering graphics as well as creating 2-D and 3-D drawings, detailing, dimensions, printing and plotting drawings. It will prepare the student for the college level type of course.

621 FURNITURE MAKING **Elective: 1 credit**
Grades 10-12

This course involves the study of the processes and techniques of designing, constructing, and finishing fine furniture. A furniture product is required. A major part of this course involves hands-on experiences in the shop with emphasis on safety.

622 FURNITURE MAKING II **Elective: 1 credit**
Grades 11, 12
Pre-requisite—All wood fees from Furniture Making I must be paid; successful completion of Furniture Making I.

This course is an extension of Furniture Making I. A student is limited to one Furniture Making class per year.

641 SENIOR PROJECT **Elective: 1 credit**
Grade 12
Pre-requisite—All wood fees from Furniture Making II must be paid; successful completion of Furniture Making II.

Senior project is an individualized program where the student will make a project out of wood of their own choosing.

651 HOME MAINTENANCE **Elective: 1 credit**
Grades 9-12

This course will help the student become familiar with normal maintenance performed by a homeowner. Students will have some hands-on experiences in actually performing maintenance. Topics covered include plumbing, drywall repair, floor maintenance, and painting among others. This course is recommended for everyone as a future homeowner.

MUSICAL ARTS

VOCAL MUSIC

Parents of students in music performance groups are members of the Arlington Music Boosters, the support group which utilizes parent workers to support their children in the choir and band programs.

561 CHOIR

Elective: 1 credit

The High School Choir is primarily a performing ensemble. Students are expected to participate during all class activities, including: singing, physical movement, class discussion, and any other activity the director deems necessary for the advancement of the ensemble. Class discussions will center on proper singing technique, ensemble singing, basic music history, music theory, and aural skills. To satisfy state requirements, short solo singing exercises will be used in class to evaluate student ability and understanding and to record and document a student's cumulative achievement. Students are also expected to participate in all performances which occur outside of the school day. Opportunities for musical performances outside of the normal High School Chorus performance schedule will be provided for students on a regular basis. Attendance is required at all concerts and performances since the goal of a performance driven class is not the rehearsal; it is the active participation with the ensemble at the live performance.

During certain school years, the choir will plan a performance and/or educational experience (trip/tour) out-of-state. As with all performances during the year, it is the expectation that all students enrolled in the course complete the trip to earn full credit. Financial responsibilities may be involved.

INSTRUMENTAL MUSIC

Parents of students in music performance groups are members of the Arlington Music Boosters, the support group which utilizes parent workers to support their children in the band and choir programs.

563 HIGH SCHOOL BAND Grades 9-12

Elective: 1 credit

High school band is a performance driven class which provides a single credit. High school band is comprised of two distinct performance ensembles: an all-brass/ percussion ensemble for marching band and a traditional concert band. Participation in both ensembles is required to receive credit. High school marching band begins immediately after the school year ends for incoming freshmen students and new marchers. "Squad training" teaches students the fundamentals of what the marching band does on the field; therefore, freshmen and new marchers are required to attend this early band camp to be taught marching fundamentals, marching music, and, for woodwind instruments who are required to switch to a brass or percussive instrument for marching band, to be given instruction on their new instrument. Summer marching band begins in late July/early August to prepare the music and marching drills that are performed by the marching band at football games, the fair, and fall performances. Attendance at summer marching band camp and rehearsals is mandatory and is part of the graded course work.

During certain school years, the band will play a performance and/or educational experience (trip/tour) out-of-state. As with all performances during the year, it is the expectation that all students enrolled in the course complete the trip to earn full credit. Financial responsibilities may be involved.

Concert band begins at the close of the marching season with chair auditions. Classroom instruction focuses on performance technique, music theory, and elements of style utilizing contemporary works, march literature, and period pieces in the standard high school repertoire.

All high school band students are expected to fulfill one of the following required participation venues throughout the school year: OMEA Solo and Ensemble Adjudicated Event, District III Honors Band, Hancock County Honors Band, or Pep Band. Students who wish to participate in high school band must have previous instrumental instruction, either through private study or prior band participation. Students who wish to join the high school band, who have not been involved in the instrumental program at Arlington Elementary and Junior High School, will be admitted at the discretion of the director after auditioning for the group. Although not required, private instrumental instruction is highly encouraged. Attendance is required at all concerts and performances since the goal of a performance driven class is not the rehearsal; it is the active participation with the ensemble at the live performances. Graded assessment is highly based not only on daily participation and music preparation, but also on performance participation.

FOREIGN LANGUAGE STUDY

Foreign language is an elective, not a requirement at Arlington. It is required in most universities but the number of years required varies from university to university. In order to prepare our students for the future, Arlington offers five levels of French and Spanish. It is recommended that most students begin their foreign language study in the 10th grade if they only intend to complete three years of a language. Since many universities do require placement exams, we feel it is best to take a language nearer to graduation so that the student is as prepared as possible for the college entrance exam as well as the fast-paced study of college language classes. However, students may begin taking foreign language in 8th grade provided that they are considering taking all five years. Please keep in mind that three years of a foreign language are required to be eligible for an honors diploma, or no less than two credits of each of two languages. Foreign language is highly recommended for those students who are considering a liberal arts degree or studying international business, government, education, marketing, finance, advertising, social work, archaeology, and medicine—just to name a few.

The World Language Department at the Ohio Department of Education is recommending that teachers in the state use a new assessment tool call Linguafolio to measure students' proficiency levels. We, the World Language teachers at Arlington, have decided to try this new assessment in addition to the formative and summative assessments that we have already been utilizing.

Students are required to earn a "C" average in the current language class before moving on to the next level. Exceptions may be made by teacher approval.

Students who have maintained a 3.0 GPA and are enrolled in the 4th year of French or Spanish are eligible to apply for French and Spanish Honor Society.

FRENCH

112 FRENCH I

Elective: 1 credit

Grades 9-12

Grade 8 Collaboration and Recommendation of Teachers

French I introduces the study of French grammar, sentence structure, speaking and reading. Topics such as greetings, school subjects, numbers, and family will be learned. Work is done in both oral and written French. In addition to studying the language, students will increase their knowledge of Francophone history, geography, life, literature, art, and government. There is equal emphasis on listening, speaking, reading, and writing.

122 FRENCH II

Elective: 1 credit

French II is a continuation of French I in the areas of listening, speaking, reading, and writing. Topics such as French-speaking countries, food, daily routines, health, vacation, city locations, and shopping will be learned and discussed. The students will be applying their acquired vocabulary and grammar knowledge in speaking and writing.

133 FRENCH III

Elective: 1 credit

French III is designed to review, reinforce, and build upon the principles learned in the first two levels. Conversation is emphasized. There is further study of advanced grammar, art, literature, and culture. There will be a study on holidays, daily life, sports, and castles.

134 FRENCH IV

Elective: 1 credit

French IV has been developed to continue, enhance, and polish the listening, speaking, reading, and writing skills of the advanced student. The students use an advanced grammar text, movies, and literature to help polish these skills. Students speak, read, and write about current issues, plays, movies, and literature they watch and read as they study Francophone history. French IV is highly recommended for the student who would like to continue in languages, international business, or would like to proficiency (or test) out of college language requirements. With a 3.0 GPA in French, these students are eligible for French Honor Society.

French V is a continuation of French IV. Students speak, read and write about current issues, famous French plays, movies, and literature they watch and read as they study French history. French V is highly recommended for the student who would like to continue in languages, international business, or would like to proficiency (or test) out of college language requirements. With a 3.0 GPA in French, these students continue to be eligible for French Honor Society.

HEALTH AND PHYSICAL EDUCATION STUDY

One credit of Health/Physical Education is required for graduation. Of this, 0.50 credits of Health and 0.50 credits of Physical Education are required.

Suggested years to take health and Physical Education:

7 th Grade	One Semester of Health	One Semester of Physical Education
8 th Grade	One Semester of Physical Education	
9 th Grade	One Semester of Health	One Semester of Physical Education
10 th Grade	One Semester of Physical Education	

911 HEALTH EDUCATION

Required: 0.50 credits

Health Education is required for graduation. Co-ed classes are offered to study the health and wellness of individuals, family and community. Topics such as nutrition, human growth, alcohol, smoking, and drug education are openly discussed. Diseases and disorders are also thoroughly investigated. Guest speakers discuss alcohol use, bullying, sexual abstinence, and organ donation. Students in 8th Grade are eligible to take this course to meet their high school graduation requirements.

913 PHYSICAL EDUCATION

Required: 0.25 credits

High School Physical Education is offered to any high school student needing to fulfill his/her Physical Education requirement. In this course, the student will experience a wide variety of activities such as team sports—football, basketball, badminton, volleyball, etc., and lifetime activities tennis, archery, dance, etc., as well as physical fitness. Assessment will be based on participation and behavior, fitness tests, and skills tests. Each unit will have a similar design beginning with an introduction, followed by skills practice, game competition and final assessment. Students are required to earn ½ credit of Physical Education for graduation. While these courses can be completed in any grades, 9th through 12th, it is recommended that students complete them during their 9th and 10th grade years.

Physical Education Waiver

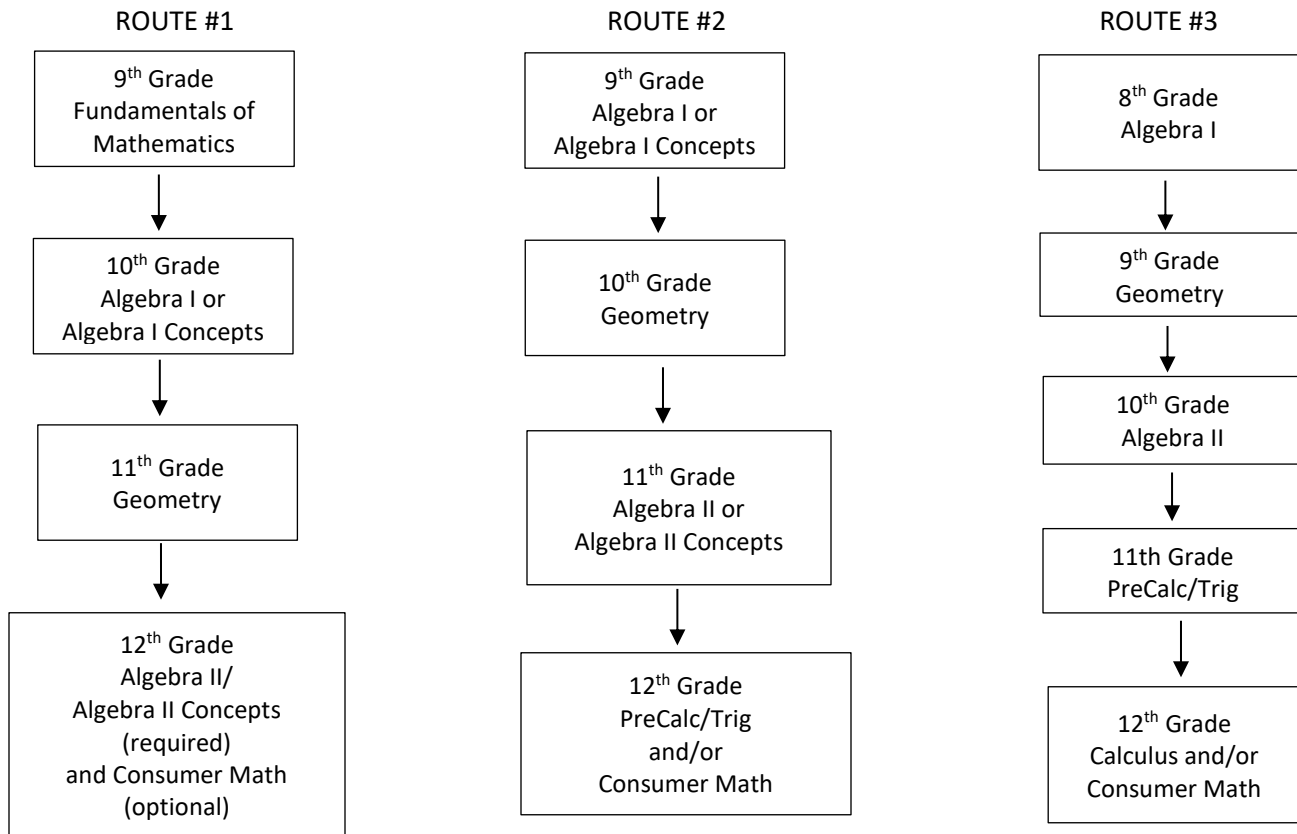
A student may be excused from the high school physical education requirement of two high school quarter-credit physical education courses by participating in interscholastic athletics, marching band, or cheerleading for at least two full seasons. Proof of satisfactory participation in and completion of the seasons may be required. A student completing the physical education waiver will be required to complete one-half unit, consisting of at least 60 hours of instruction, in another course of study.

MATHEMATICS STUDY

The goal of the Math Department is to equip students with the mathematical knowledge and skills to be successful in their chosen careers.

All students are required to have at least four math credits to graduate. They will also be required to have received a credit in Algebra II or the Equivalent thereof. The following diagrams will assist you in deciding the best option for your next class.

Our Math Department always sends home their educational recommendation for your student.



221 FUNDAMENTALS OF MATHEMATICS**1 credit**

This course is recommended for students who are not on a college-prep course of study or students who are not strong in math and need more preparation in math before taking Algebra 1. This course includes topics in solving equations and inequalities, functions, systems of linear equations and inequalities, polynomial expressions and functions, perimeter and area of 2-dimensional shapes, surface area and volume of 3-dimensional shapes, properties of polygons, and similarity and congruence of polygons.

212 ALGEBRA I**1 credit****Pre-requisite—****Incoming 8th Graders: Must meet at least 2 of 3**

1. A or B in 7th grade Math
2. 80% or higher on Algebra Readiness Test
3. Identified as Gifted in the areas of Mathematics or Superior Cognitive

If meet 2 of the 3 pre-requisites: complete required units in 8th grade workbook and earn a C- or higher on the unit tests

Incoming 9th Graders: Must have at least 2 of 3B or higher in 8th grade Math

70% or higher on Algebra Readiness Test

At least proficient on 8th grade Mathematics state test**Incoming 10th Graders:**

C or higher in Fundamentals of Math

Algebra is the starting point for higher mathematics. It provides the basic, essential skills for Geometry, Algebra II, Trigonometry, Pre-Calc, and Calculus. Concepts include Numbers & expressions, equations & functions, linear relationships, exponential relationships, statistics & data, polynomial expressions & equations, and functions & modeling. Algebra I is elected by college preparatory students. Algebra I is required of all freshman who plan to enroll in the Health Tech program or the Engineering Tech Prep program at Millstream. This course is for students who have demonstrated a good arithmetic background and have strong fundamental skills. Calculators will be used and skills on how to use a graphing calculator will be taught. The graphing calculator comes highly recommended as a tool to be bought not only for success in Algebra I but in higher level courses beyond Algebra I.

213 Algebra I Concepts**Pre-requisite—****Incoming 9th Graders:** C or higher in 8th Grade math

Algebra I Concepts covers nearly the same material as in Algebra I, but at a slower pace and with additional resources. This course is recommended for students that had difficulty in Jr. High math, took Fundamentals of Math as a Freshman, and/or struggle with getting homework done outside of class time. It provides the basic, essential skills for Geometry, Algebra II, Trigonometry, Pre-Calc, and Calculus. Concepts include Numbers and Expressions, Equations and Functions, Linear Relationships, Exponential Relationships, Statistics and Data, and Polynomial Expressions and Equations. It is elected by those interested in skilled trades. Calculators will be used and skills on how to use a graphing calculator will be taught. A graphing calculator comes highly recommended as a tool to be bought not only for success in Algebra I Concepts but in higher level courses beyond Algebra I Concepts.

231 GEOMETRY**1 credit****Pre-requisite—**Successful completion of Algebra I or Algebra I Concepts.

This course covers all the concepts that are traditionally covered in a Geometry course, including proofs and trigonometry. Students will explore geometric relationships with a wide variety of tools including compasses, computers and graphing calculators. Real world examples and applications will be used to help students become more skilled in critical thinking.

223 ALGEBRA II CONCEPTS 1 credit
Pre-requisite—Successful completion of Algebra I or Algebra I Concepts and Geometry

This course covers nearly the same material as in Algebra II, but at a slower pace and with additional resources. This course is recommended for students that had difficulty in Algebra I or Algebra I Concepts and Geometry and are NOT attending a 4- year college. Topics covered will include: matrices, polynomials, absolute value, quadratic, rational, and radical functions.

241 ALGEBRA II 1 credit
Pre-requisite—C or higher in Geometry and Algebra I or Algebra I Concepts; meet the competency score on the Algebra I State Test.

This course is an Advanced Algebra course which includes and extends traditional Algebra topics, prepares students for future studies in Pre-Calculus, and Calculus and is intended for those who plan on attending a 4 year college. The topics covered include: matrices, polynomials, quadratic, absolute value, rational, and radical functions. The graphing calculator comes highly recommended for this course.

242 PRE-CALCULUS WITH TRIGONOMETRY 1 credit
Pre-requisite—C or higher in Algebra II.

This course incorporates trigonometry and pre-calculus concepts. Students will become comfortable with terms from calculus in preparation for further mathematics study.

251 CALCULUS 1 credit
Pre-requisite—C or higher in Pre-Calculus.

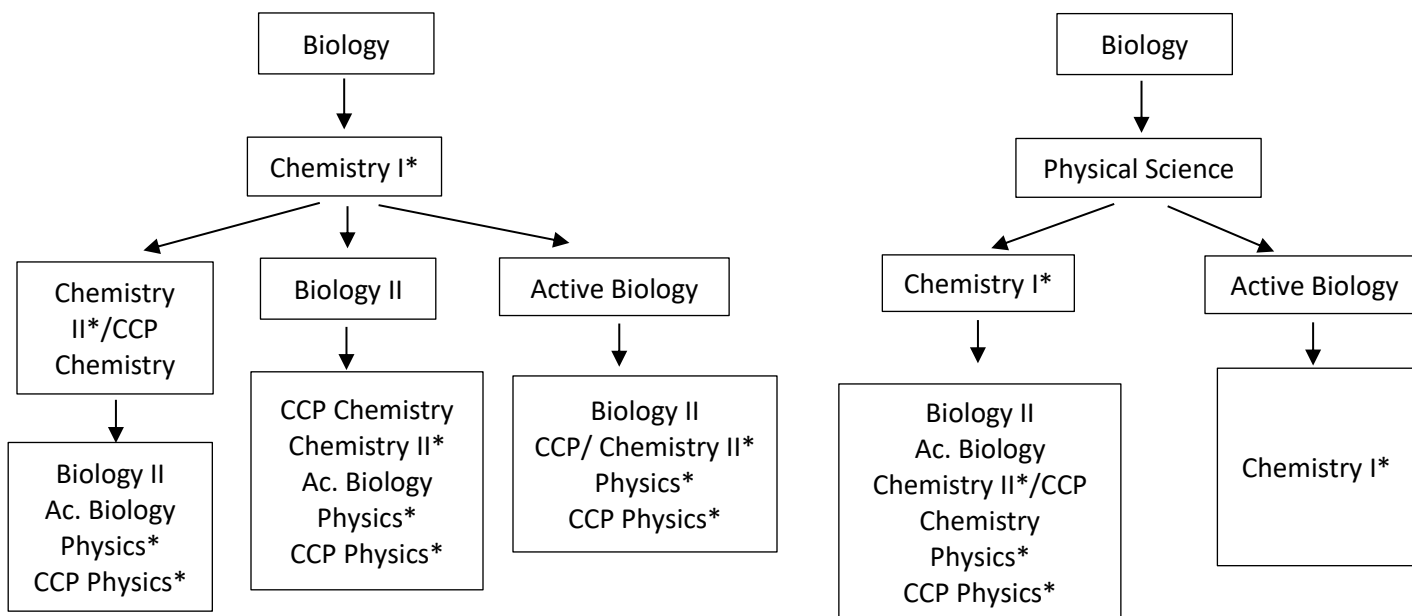
This course covers most topics that are normally covered in an Advanced Placement Calculus program. A review of mathematical concepts required for calculus is given. Specific topics covered in this course include: continuity and limits, derivatives, applications of derivatives, and applications to physics, chemistry, engineering, and business.

227 CONSUMER MATH 1 credit
Pre-requisite—Senior Students Only

This course will focus on real-life situational math and can be taken in conjunction with other Math courses. Students will explore getting a job, wages and income, check and checking accounts, rent and mortgage payments, home and auto loans, paying utilities, banking, budgeting, credit, insurance, interest, and other consumer-related topics.

SCIENCE STUDY

Welcome to the Science Department! Below is a flow chart that will aid you through the choices that our department offers your student throughout their high school career. All freshmen are tested prior to placement in Chemistry I as a sophomore and will be notified by our department regarding their placement. An asterisk (*) beside the course name means there is a math pre-requisite.



421 BIOLOGY I

Required: 1 credit

Biology I is a required course for all freshmen. Heredity, Cellular Functions, Natural Selection, and Diversity & Interdependence of Life are the four major content areas covered in this class. These topics meet the state requirements for the Biology End of the Year Course Exam. A fee is charged to cover the expenses of laboratory materials.

411 PHYSICAL SCIENCE

Required: 1 credit

Physical Science is a required course for all sophomores unless they meet specific requirements for Chemistry. This course is an introduction to both Chemistry and Physics. A fee is charged to cover lab expenses.

A third science credit can be attained through the Ag Department by taking Animal and Plant Science.

431 CHEMISTRY I

Elective: 1 credit

Pre-requisite—Successful completion of Algebra I, Biology, and Physical Science
May take as a sophomore with teacher recommendation.

This course is designed specifically to provide students with an in-depth study and understanding of the mathematical and physical concepts of chemistry through lecture, hands-on laboratory experiments and demonstrations. It is aimed at those students who desire to pursue science and/or math careers in college. The emphasis will be to provide students with a background enabling them to be competitive with their college science peers. A fee is charged to cover lab expenses.

461 ACTIVE BIOLOGY

Elective: 1 credit

Pre-requisite—Junior or Senior status.

Various topics such as zoology, and forensic science, will be examined in this course. Students will learn about the classification of organisms in the animal kingdom. Hands-on labs such as dissections will be used to examine the anatomy of various animals. Forensic topics such as DNA fingerprinting and crime scene analysis will also be explored. Participation in labs and dissections is mandatory for this course. A fee is charged to cover lab expenses.

451 BIOLOGY II **Elective: 1 credit**
Pre-requisite—Successful completion of Biology I and Chemistry.

Biology II is a college preparatory course in human anatomy and physiology. It is a continuation of Biology I, and it takes an in-depth look at the systems of the body. This course is recommended for students preparing for college or the health-care programs. Dissections are mandatory for this course. A lab fee is charged to cover the expenses of the laboratory.

433 CHEMISTRY II **Elective: 1 credit**
Pre-requisite—Successful completion of Chemistry I.

This course is designed for students who are considering post-secondary studies in the physical or biological sciences, medicine, or engineering. It explores in considerable depth topics from the following areas: kinetic theory, oxidation-reduction, electrochemistry, organic chemistry, thermodynamics, nuclear chemistry, acid-base reactions, chemical bonding and equilibrium. A review of concepts covered in the prior chemistry class will be conducted. Experiments reinforce each unit and problem solving is emphasized. A fee is charged to cover lab expenses.

441 PHYSICS **Elective: 1 credit**
Pre-requisite—Senior status, successful completion (grade C or higher) of Biology I, and Chemistry or Physical Science.

All Physics students must be enrolled in Pre-Calculus, or Calculus based on the following requirements:

1. All Physics students must have successfully completed (grade C or higher) Algebra II.
2. All Physics students must have successfully completed (grade C or higher) or are currently enrolled in Pre-Calculus as a senior.
3. If the student has successfully completed Pre-Calculus, they must be enrolled in Calculus as a senior.

This course will give an introduction to Mechanics in Physics. Selected topics include kinematics, vectors and Newton's Law Motion, Circular motion and Gravitation, Concepts of work and Energy, Collisions, Moment of Forces and Rotational dynamics, Properties of matter and Elasticity, and Fluid mechanics.

COLLEGE CREDIT PLUS

PHY-1120 Physics I **Elective: 1 credit at AHS**
***Ohio Transfer Module Course** **4 Credit Hours**

Prerequisites- Senior status, High School Algebra II (grade "C" or higher)

Introduces applied mechanical physics, which includes: Vector forces, momentum, constant acceleration trajectories, friction, concepts of simple machines, rotary motion, work, power, energy, torque, simple harmonic motion, waves & sound, solid & fluid properties, heat & thermodynamics and kinetic theory of gases. Algebra-based

CHM 1110 – Introductory General Chemistry **Elective: 1 credit at AHS**
***Ohio Transfer Module Course** **4 Credit Hours**

Prerequisites: Junior or Senior Status, successful completion of Chemistry I (grade "C" or higher), High School Algebra II (grade "C" or higher)

Provides a foundation in basic principles of general chemistry. Topics include methods of measurement, temperature and heat, atomic structure, nuclear chemistry, bonding, nomenclature, gas laws, chemical reactions, stoichiometry, solutions, acid-base chemistry and chemical equilibrium.

SOCIAL STUDIES COURSES:

In the Social Studies Department, students receive a very extensive and thorough study of our American history and government. Ancient World History is taken in the 7th grade, followed by two years of American History. Eighth graders are required to take American History 8, a survey class that begins with the discovery of America in 1492 and concludes in 1877 with the end of Reconstruction. The 9th grade social studies course is American History, which focuses on the history of our country from 1877 to present day. The sophomore unit, Modern World History, explores American & World History from 1600 to the present day. All juniors are required to take a year of American Government. As junior or seniors, all students are required to take a semester of Economics and Personal Finance. Arlington students are also encouraged to take an elective, such as Sociology, Contemporary World Issues, Psychology, or Ethics in their junior or senior year. The goals of the department are to encourage students to gain an appreciation for our American heritage and become productive, responsible citizens.

351 AMERICAN HISTORY **Required: 1 credit**
Grade 9

This course examines the history of the United States of America from 1877 to the present. The federal republic has withstood challenges to its national security and expanded the rights and roles of its citizens. The episodes of its past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. Understanding how these events came to pass and their meaning for today's citizens is the purpose of this course. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

352 MODERN WORLD HISTORY **Required: 1 credit**
Grade 10

This course examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

341 AMERICAN GOVERNMENT **Required: 1 credit**
Grade 11

The year-long class gives an overview of our nation's political system. We will look at how the government is run on the national, state, and local levels. Option: College Credit Plus section.

342 ECONOMICS AND FINANCIAL LITERACY **Required: 0.50 credit**
Grade 11, 12

This semester long class gives an overview of our nation's economic system. We will look at both micro- and macro-economic topics such as personal finance, banking and budgeting, as well as world trade and the global economy.

360 CONTEMPORARY WORLD ISSUES Elective: 1 credit
Grades 11 & 12 (10th grade with teacher recommendation)

Students analyze governments, economies, peoples, and cultures from around the world in this course. Instruction emphasizes the structures and policies of the United States and how they compare to other systems in the international community. Students apply critical thinking and research skills to examine current events and contemporary issues, including human rights, the strengths and weaknesses of globalization, America's role in the international economy, the severe environmental threats facing many regions around the world today, how religion is often used to facilitate and justify violence, and America's "War on Terror" and its impact on the Middle East and Islamic culture.

370 ETHICS Elective: 1 credit
Grades 11 & 12

An introductory philosophy course that concentrates on concepts and issues, such as the nature of value, duty, right and wrong, the good life, human rights, social justice, and applications to selected problems of personal and social behavior. Topics may include liberty and its limitations, civil disobedience, abortion, affirmative action, capital punishment, terrorism and the morality of war, animal rights and environmental ethics.

373 PSYCHOLOGY & WRITING Elective: 1 credit
Grades 11 & 12 (10th grade with teacher recommendation)

Psychology & Writing is an elective course for students in grades 11 and 12. Sophomore students may take this course with teacher recommendation. Psychology & Writing will allow students to grapple with subjects related to the field of Psychology (i.e. Behavior, Memory, Learning, Social Psychology) while bolstering writing skills needed at the collegiate level. Throughout the course, students will be required to become active participants in class discussions, writing assignments, readings, and lectures. This course will be co-taught by a Social Studies teacher and an English teacher, providing additional support for students and fostering improved learning experiences for students. In this sense, Psychology & Writing incorporates both social science and English subjects with the goal of better preparing students for an introductory Psychology course at a collegiate institution.

374 Social Psychology Elective: 1 credit
Grades 11 & 12 (10th grade with teacher recommendation)

Social psychology is a course that combines both elements of sociology and psychology. It will also include the scientific study of the way people think about, feel, and behave in social situations. It involves understanding how people influence, and are influenced by, the others around them. A primary goal of this course is to introduce you to the perspectives, research methods, and empirical findings of social psychology.

General Elective:

780 College Experience

Elective: 0.50 credit

Grade 12

Semester Course

This course is for seniors who are college bound (including trade school, 2-year, & 4-year colleges). Topics may include: completing college/scholarship applications; learning how to write college admission and scholarship essays; education on the FAFSA and the importance of it; writing resumes and completing job applications; preparing for job interviews; college representative visits in class; creating 4-year plans of study in college; AHS alumni sharing their college/professional experiences; local professionals discussing their careers; and preparing for life beyond high school. Additional topics may be included based on student interest and future plans of college, trade school, workforce, or entering the military.