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# Waynesville High School

*Course Book for AY 2024-2025*

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## **Waynesville R-VI School District**

### ***Mission Statement***

Prepare and empower individual lifelong learners for opportunities as citizens and leaders.

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## **Waynesville High School**

### ***Mission Statement***

Waynesville High School exists to assure educational success for all.

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*The Waynesville R-VI School District does not discriminate on the basis of race, color, national origin, sex, age, religion, or disability or status as Vietnam Era veteran in admission/access to, or treatment/employment in its programs and activities.*

*Any person having inquiries concerning compliance with the regulations implementing federal legislative requirements is directed to contact the building level principal or the assistant superintendent for human resources at (573) 842 - 2094 (Title IX, Title VI, and ADA) or the administrative assistant for special services at (573) 842 - 2007 (Section 504).*

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# WAYNESVILLE HIGH SCHOOL

*(Grades 9-12)*

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## Course Descriptions

*Revised January 2023*

**Content:** Information for students currently enrolled in grades 8-11 concerning graduation requirements, course offerings, and course descriptions for grades 9-12.

The attached information concerning state and local graduation requirements and course offerings and descriptions is provided to assist the student and parents in planning the student's high school work.

In some instances specific courses are required for graduation, and in other instances the student may elect one or more courses from certain major areas of the curriculum to meet the graduation requirements for those curricular areas.

In each of the major curricular fields, the specific course offerings are listed, followed by information concerning:

1. The grade level(s) at which the course should be taken;
2. The amount of credit which is awarded for the course;
3. Notes on whether the course has an end of course exam and if it is a Weighted, Advanced Placement, or Dual Credit class;
4. Whether the course is required for graduation;
5. Courses that must be taken prior to enrolling in the course (prerequisites).

The student or parent is urged to consult with the counselor, principal, or teacher concerned if additional information is desired. The school personnel are glad to be of assistance at all times.

The course descriptions found in the following pages will provide some information concerning courses which the student must take to meet state and local graduation requirements and should also be of help to the student when electing additional courses from the many available. Since course descriptions are necessarily brief, the student or parent who desires additional information should consult with the counselor, principal, or teacher as needed.

A course may be listed and not be offered in the curriculum if enrollment is too low to justify its cost, or if staffing limits the ability to offer a course each year.

*W Indicates Weighted Classes*

## **Regulations on Enrollment Procedures**

The following facts are presented to aid all students in planning their schedules:

1. Each student must be enrolled for seven periods of classes, unless otherwise approved by administration.
2. Students are required to be enrolled for eight semesters of high school instruction before graduation. Exceptions are made through guidelines established by the state and local school districts.
3. Students in grades 9 through 12 in the Waynesville R-VI Schools are required to enroll in and participate in the physical education program with the following exceptions:
  - a. The program will be modified for those students who have a current statement (since July 1) from a doctor recommending limited participation in physical education activities.
  - b. In the few instances where serious scheduling conflicts cannot be resolved otherwise, this local requirement may be waived upon the mutual consent of a committee composed of the counselor, the high school principal, and the chairperson of the physical education department.
4. Selection of elective courses should be given great consideration. After final enrollment (end of the school year), schedule changes will only be made for students who have schedule conflicts, or who are missing a graduation requirement..
5. A weighted grading system is used for class ranking and GPA. Specified advanced classes are awarded weights at the conclusion of each semester.
6. Students may take no more than one of the following classes per semester: PE, art, library aide, office aide, A+ Tutoring or study skills.

## **Student Schedule Changes**

### **Requests for teacher changes:**

The counselor may not change a student's teacher. The parent is asked to speak with the teacher by phone to try to correct any problems. If difficulties are still present, the parent should phone the counselor or principal who will arrange a meeting with the teacher, counselor, parent, student and principal to discuss the problems.

### **A student's schedule will be changed for the following reasons only:**

1. Computer error
2. Prerequisite courses not met
3. Duplicate credit
4. Teacher recommendation that the student is misplaced

### **Requests for class changes will not be considered for the following reasons:**

1. Change of student interest
2. A negative effect of course grade on GPA
3. Not needing the course to graduate
4. Teacher preference

**All schedule changes must be made by the end of the first week of school for that semester to earn credit.**

## Graduation Requirements

All students graduating from Waynesville High School are required to obtain a minimum of twenty five (25) credits in grades 9-12 as follows:

Language Arts	4 Credits	Fine Arts	1 Credit
Social Studies	3 Credits	Physical Education	1.5 Credits
Math	3 Credits	Health	.5 Credit
Science	3 Credits	Personal Finance	.5 Credit
Practical Arts	1 Credit	Electives	7.5 Credits

CPR	Training provided in Health Class
MO Constitution Exam	Exam given in American Government
US Constitution Exam	Exam given in American Government
Civics Exam	Exam given in American Government
CCR Exam	ACT, SAT, ASVAB, or WorkKeys

EOC Exams are a graduation requirement in the following areas:

English 10
Biology
American Government
Algebra I*

\*An additional math EOC is required if Algebra I was taken prior to high school.

Any exceptions to these requirements must have prior permission from the high school principal and the superintendent or his/her designee.

In order to meet the personal finance requirement students must either earn 0.5 credit in Personal Finance or pass the Missouri Personal Finance Exam. The exam will be given to juniors and seniors enrolled in JROTC LET III and sophomores in the LEAP 10 course.

WHS students in the Class of 2024 are required to take a math class each year.

Beginning with the class of 2025, WHS students that have earned three credits of math will not be required to take an additional math course; however, it is highly recommended that students take a math course each year of high school as:

1. Many colleges and universities require 4 units of math credit. Students should review requirements for post-secondary institutions they are considering attending when making the decisions regarding math courses.
2. Students who plan to pursue athletics at the collegiate level should carefully review NCAA requirements when selecting courses at the secondary level. NCAA approved courses are denoted in the Course Description Book.

## Graduation Honors

A tiered honors system will replace the valedictorian honors system effective for the class of 2021. Students will be recognized at graduation according to the following honors levels:

- Summa Cum Laude: 4.1 and above
- Magna Cum Laude: 4.0-4.099
- Cum Laude: 3.8-3.99

Students must earn a minimum of 27 credits to be awarded honors.

### George Washington Carver Award

This recognition is given to the top 10 percent of each high school's graduating class.

### President's Award for Educational Excellence

This recognition is given to students with a GPA average of at least 3.5 and 85% or above on a national college admission test.

### President's Award for Educational Achievement

This recognition is given to students with a GPA average of at least 3.5.

## Weighted Classes

The weighted class system gives bonus points to certain courses, which is used for calculating class rank. This system gives a student .5 to 1.0 additional grade points for each grade earned in a weighted class.

<u>Grade</u>	<u>Percentage</u>	<u>Regular Courses</u>	<u>Honor's Weight</u> *Dual Credit *Dual Enrollment Courses *Pre-AP Courses *AP Courses (if the student does <u>not</u> take the AP exam)	<u>Advanced Weight</u> *AP Courses (If the student takes the AP exam)
A	90-100	4.0	4.5	5.0
B	89-80	3.0	3.5	4.0
C	79-70	2.0	2.5	3.0
D	69-60	1.0	1.5	2.0
F	59-0	0	0	0

Pre-AP and Honors classes receive an extra .5 added to the regular course weight.

- |  |  |   |
|--|--|---|
| <ul style="list-style-type: none"> <li>• Pre-AP English 1</li> <li>• Pre-AP English 2</li> <li>• Honors Physics 1</li> </ul> | <ul style="list-style-type: none"> <li>• Pre-AP Algebra 2</li> <li>• Pre-AP Biology</li> <li>• Pre-AP Chemistry</li> </ul> | <ul style="list-style-type: none"> <li>• Honors Computer Science</li> </ul> |
|--|--|---|

## Course Opportunities for College Credit

**Advanced Placement courses** - Advanced Placement courses give high school students the opportunity to get a head start on college-level work. Students that are enrolled in AP courses take the AP Exam at the end of the year to potentially receive college credit for that course. College credit is earned based on student scores on the AP Exam. Students are encouraged to contact their future college or university to determine the AP credit policy for their school. Each AP course offered is approved by the College Board.

In accordance with Waynesville High School's philosophy to "Prepare students to lead and succeed", we encourage students to challenge themselves with advanced coursework and participation in Career Technical Education. Students who enroll in advanced courses including dual credit, dual enrollment, OTC College Now and AP courses are committing to remain in the courses until completion. Additionally, students in AP courses will take the AP exam at the end of the school year. Qualifying scores on AP exams may result in transferable college credit. To maximize college and career readiness for all students, advanced courses MAY NOT be dropped. Students in AP, dual enrollment and dual credit courses will be responsible for any tuition or fees accrued if changes are made after a course begins, including fees for unused exams.

These courses are subject to teacher availability:

- AP Biology
- AP Calculus AB
- AP Calculus BC
- AP Chemistry
- AP Computer Science A
- AP Computer Science Principles
- AP English Language
- AP Environmental Science
- AP French Lang & Culture
- AP Human Geography
- AP Lang & Composition
- AP Literature and Comp
- AP Macroeconomics
- AP Microeconomics
- AP Physics
- AP Psychology
- AP Spanish Lang & Culture
- AP Statistics
- AP US Government and Politics
- AP United States History

**Dual Credit Courses** - WHS has dual credit agreements with Drury University and Missouri State University in Springfield, Missouri. The purpose of the dual credit agreement is to provide a mechanism, which will allow high school students enrolled at WHS to enroll in a college course offered by Drury University or MSU, thereby earning both high school and college credit at the same time. Students who elect to receive college credit through dual credit in the courses below would pay Drury University or MSU in order to receive college credit. Absences for extenuating circumstances should be reported to the school immediately; fees WILL NOT be refunded.

These courses are subject to teacher availability.

- British Literature I
- British Literature II
- Composition I
- Advanced Composition
- AP Literature and Composition
- AP Biology
- Chemistry II
- AP Physics I
- Medical Terminology Online via Way-MED
- AP Psychology
- AP Calculus AB
- AP Calculus BC
- College Algebra
- Statistics
- AP Spanish Lang & Cult
- French 3
- French 4
- AP French Lang & Cult
- FMP Leadership

**Dual Enrollment Courses** - OTC College Now classes taken as part of the Tiger Teacher Academy or Criminal Justice Program will be weighted with an extra .5 point per grade.

## Off Campus Opportunities

Waynesville High School offers multiple opportunities for off campus educational experiences during the school day where students can shadow career professionals. Internships are available in the Waynesville-St. Robert area for select students enrolled in two year programs at Waynesville Career Center (WCC). WHS also has a partnership with Fort Leonard Wood that provides student internship positions at the museum, network enterprise center, airfield, garrison command, outdoor recreation center, library, aquatics center and fitness center. Other opportunities include supporting Waynesville-St. Robert Area Chamber of Commerce businesses through the **Career Embedded Promotions and Advertising Program**. Students interested in becoming future medical professionals can participate in internships through the **Career Embedded Medical Professions Program (Way-Med)** or enroll in the **Health Science Program** at the WCC.

## Seal of Biliteracy

The Missouri Seal of Biliteracy and Distinguished Missouri Seal of Biliteracy is awarded to graduating high school students who have demonstrated achievement in English, a Language Other Than English (LOTE) and sociocultural competence. All Missouri students studying any of the world's languages are potential Seal candidates.

## State of Missouri CTE Certificate

The Missouri State Board of Education along with the CTE Advisory Council have established minimum requirements for a Career And Technical Education (CTE) certificate that a student can earn in addition to his or her high school diploma. These requirements are intended to provide students with the necessary technical and employability skills to be prepared for an entry-level career or additional training in a technical field. Students must meet all requirements in order to receive the CTE certificate.

1. Meet all graduation requirements.
2. Qualify as a CTE concentrator
3. Maintain a 3.0 grade point average (on a 4.0 scale) in the CTE area of concentration.
4. Pass an approved Technical Skills Assessment and/or earn an approved Industry Recognized Credential or Certificate
5. Complete at least 50 hours of work-based learning aligned with the CTE area of concentration.
6. Maintain at least a 95 percent attendance record overall for grades 9-12.
7. Demonstrate soft skills/business skills
8. Achieve a score at or above the state standard on any DESE-approved measure of college and career readiness

## Graduation Speaker

Students will have the opportunity to audition to be a graduation speaker. The graduation speaker will be selected by a committee.

## A+ School

Waynesville High School is an A+ designated high school in the state of Missouri. As a result of this official designation, graduating seniors who have met all eligibility requirements will qualify for the A+ Schools Financial Incentive, as long as **state appropriated funding is available**.

### Goals of the A+ School Program

- All students will graduate from high school.
- All students will complete a selection of high school studies that is challenging and has identified learning expectations.
- All students will proceed from high school graduation to a four year college or community college or postsecondary vocational or technical school, or high wage job with workplace skill development opportunities.

### Benefits of an A+ School for Students

- Funding will be available for tuition and general fees to a community college or public vocational/technical school of their choice in the state of Missouri.
- Incentives which will be made available after the student has made a good faith effort to first secure all available federal post-secondary student financial assistance funds that do not require repayment.

**Your eligibility expires when the earliest of the following occurs:**

- **48 months after the graduation date documented on your high school transcript.**
  - Students providing service to any branch of the U.S. armed forces can defer their eligibility.
  - Students graduating from high school in mid-year may be eligible for a spring award if their high school transcripts indicate the mid-year graduation date.
- Receipt of an associate's degree
- Completion of 105% of the hours required for the program in which you are currently enrolled.

### Student Eligibility for A+

- Sign an A+ Student Participation Agreement.
- Attend Waynesville High School or another **A+ designated school** for the two years prior to graduation. An exception is made for military dependents.
- Maintain at least a 2.5 grade point average on a **4.0 scale**.
- Maintain at least a 95% attendance record.
- Perform 50 hours of unpaid **school -based** tutoring or mentoring for **other** students, as approved by the A+ Coordinator.

- Maintain a record of good citizenship and avoidance of the unlawful use of drugs or alcohol.
- Be a U.S. citizen.
- Achieve a score of proficient or advanced on the official Algebra I **end-of- course exam or higher level DESE approved end-of-course mathematics exam.**
- Not be enrolled or intend to use the award to enroll in a course of study leading to a degree in theology or divinity.
- Not have a criminal record.
- **To maintain eligibility while attending a Missouri public community college or vocational/technical school, a student must be enrolled on a full-time basis and maintain a GPA of 2.5 or higher.**

# NCAA

The **National Collegiate Athletic Association** is an organization dedicated to providing a pathway to opportunity for college athletes. Over 1,100 colleges and universities are part of the NCAA, which includes small and large schools throughout the country.

## NCAA Approved Classes

If your post-high school plans include playing sports or activities while in college, it is important to enroll in the NCAA approved core classes at Waynesville High School. *Please note that not all of these courses will be available every semester/year.*

Language Arts	Social Studies	Mathematics	Science	Others
Advanced Composition	American Government I and II	Algebra 1, 2, and 3	Anatomy and Physiology	Spanish I, II, III, IV
Mythology I	American History	Trigonometry/Pre-Calculus	AP Biology	French I, II, III, IV
AP English Language and Composition	AP Government and Politics	AP Calculus AB	AP Chemistry	German I, II, III, IV
AP Literature and Composition	World War II	AP Calculus BC	AP Environmental Science	
British Literature 1 and 2	AP Psychology	AP Statistics	Science 9 Physical Science	
Public Speaking I and II	Civil War Period	College Algebra	Chemistry 1 and 2	
Composition	Pre-AP World History	Geometry	Chemistry of Materials	
Creative Writing	Psychology	Pre-AP Algebra 2	Ecology	
Pre-AP English 1	Sociology	Statistics	Forensics	
Pre-AP English 2	U.S. History/AP		General Biology	
Forensics/Debate	World History		Physics	
Journalism I			Pre-AP Computer Science	
Language Arts 9			Pre-AP Biology	
Language Arts 10			Pre-AP Chemistry	
Language Arts 11				
Language Arts 12				

If you are interested in playing sports in college or university, please visit your counselor and speak to the Athletic Director.

# WHS ICAP

## Individual Career and Academic Plan of Study

Name \_\_\_\_\_ Age \_\_\_\_\_ Birth Date \_\_\_\_\_ Student ID Number \_\_\_\_\_

Career Goal \_\_\_\_\_

College/Career Readiness Exam (must take one)

ACT \_\_\_\_\_ SAT \_\_\_\_\_ WorkKeys \_\_\_\_\_ ASVAB \_\_\_\_\_

**I plan to attend:** 4 Year College   2 Year College  
Technical School   Military   Work   Other

### GRADUATION REQUIREMENTS

Students who plan to graduate from Waynesville High School must complete a minimum of **25** credits in grades 9-12 with the following requirements:

**Language Arts (4 credits)**

**Social Studies (3 credits)**

**Math (3 credits)\***

**Science (3 credits)**

**Fine Arts (1 credit)**

**Practical Arts (1 credit)**

**Electives (7.5 credits)**

**Physical Education (1.5 credits)**

**Health (0.5 credit)**

**Personal Finance (0.5 credit)**

For graduation, students must also take an **End-of-Course Exam** in:

Language Arts 10, Algebra 1, Biology, & Government

As well as, pass the **Missouri Constitution Test** (Date \_\_\_\_\_) the **US Constitution Test** (Date \_\_\_\_\_) & the **Civics Exam** (Date \_\_\_\_\_)

Grade 9 Summer School =	Grade 10 Summer School =
Semester 1 / Semester 2	Semester 1 / Semester 2
Language Arts 9 or Pre-AP English 1	Language Arts 10 or Pre-AP English 2
Science 9, Biology, or Honors Physics 1	Science =Biology or Pre-AP Biology
World History or Pre-AP World History and Geography	American History or AP US History
Math = Algebra 1A, Algebra 1, Algebra 2 or Geometry	Math =
Grade 11 Summer School =	Grade 12
Semester 1 / Semester 2	Semester 1 / Semester 2
LA 11, AP English Language, Brit Lit, Comp 1 and Adv Comp	LA 12, AP English Literature, Brit Lit, Comp 1, Adv Comp, WCC English IV
American Government 1 & 2 or AP Government	Math credit or WCC Embedded Math =
Math =	
Science =	

\*1. Students will be allowed to take only (1) non-credit class per semester, examples are: Study Skills, Library Assistant, etc. \*Student Athletes/Activities require students to take 6 hours of credit-bearing classes to participate.

\*2. Once students receive their schedules, changes may be made by teacher request or by principal approval.

\*3. Students are required to earn 3 credits of math for graduation. Many colleges require 4 years of math to meet admission requirements.

\*4. Many colleges require 2 years of the same foreign language to meet admission requirements.

\*5. WHS has an open enrollment process for AP & Dual Credit classes. However, dropping an AP or Dual Credit class requires a parent/teacher conference with principal approval.

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Counselor Signature

\_\_\_\_\_  
Parent Signature






\_\_\_\_\_  
Date

# WHS Course Descriptions

## Language Arts

*4 Credits Required for Graduation*

<u>9th Grade</u> <ul style="list-style-type: none"><li>● Language Arts 9</li><li>● Pre AP English 1</li></ul>	<u>10th Grade</u> <ul style="list-style-type: none"><li>● Language Arts 10</li><li>● Pre AP English 2</li></ul>	<u>11th Grade</u> <ul style="list-style-type: none"><li>● Language Arts 11</li><li>● AP English Language &amp; Composition</li><li>● Composition 1</li><li>● Advanced Composition</li><li>● British Literature I</li><li>● British Literature II</li></ul>	<u>12th Grade</u> <ul style="list-style-type: none"><li>● Language Arts 12</li><li>● AP Literature &amp; Composition</li><li>● Composition I</li><li>● Advanced Composition</li><li>● British Literature I</li><li>● British Literature II</li></ul>
Electives			
<u>9th Grade</u> <ul style="list-style-type: none"><li>● Debate</li><li>● Public Speaking I</li><li>● Public Speaking II</li></ul>	<u>10th Grade</u> <ul style="list-style-type: none"><li>● Debate</li><li>● Journalism I</li><li>● Journalism II</li><li>● Public Speaking I</li><li>● Public Speaking II</li><li>● Sports Information</li></ul>	<u>11th Grade</u> <ul style="list-style-type: none"><li>● Debate</li><li>● Creative Writing</li><li>● Journalism I</li><li>● Journalism II</li><li>● Mythology</li><li>● Public Speaking I</li><li>● Public Speaking II</li><li>● Sports Information</li><li>● Short Story</li><li>● The Works of William Shakespeare</li></ul>	<u>12th Grade</u> <ul style="list-style-type: none"><li>● Debate</li><li>● Creative Writing</li><li>● Journalism I</li><li>● Journalism II</li><li>● Mythology</li><li>● Public Speaking I</li><li>● Public Speaking II</li><li>● Sports Information</li><li>● Short Story</li><li>● The Works of William Shakespeare</li></ul>

 Advanced Placement Course	 Dual Credit Course	 Weighted Course	 Requires End of Course Assessment	 NCAA Approved Class
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### Language Arts 9

Grade 9

1 ELA credit



#### **Required for Graduation**

Language Arts 9, a total language arts course, surveys several literary genres including the novel, the short story, drama, poetry and nonfiction to give students a solid background in literature. In this full-year course students learn to write paragraphs in four modes: expository, persuasive, narrative, and descriptive. Grammar is reviewed and applied to writing, editing, and speaking skills. Students are introduced to the high school library and taught skills for both research and personal use.

## **Pre-Advanced Placement English 1**

Grade 9

1 ELA credit



*May be taken in place of Language Arts 9*

Pre-AP English 1 focuses on the reading, writing, and language skills that have immediate relevance for students and that will be essential for their future coursework. Texts take center stage in the Pre-AP English 1 classroom, inspiring and preparing all students for close, critical reading and analytical writing. The course trains the reader to observe the small details in a text to arrive at a deeper understanding of the whole. It also trains the writer to focus on crafting complex sentences, building this foundational skill en route to more sophisticated, longer-form analyses.

## **Language Arts 10**

Grade 10

1 ELA credit



### **Required for Graduation**

**Prerequisite:** *Language Arts 9 or Pre-AP English 1*

Language Arts 10 is a full-year course designed to promote cultural literacy by surveying and assessing literary genres: the novel, the short story, drama, and poetry. Developing all methods of communication skills, building vocabulary, and reviewing and applying basic grammar skills are also integral to the course. Students will further develop research skills. Composition activities will stress developing and supporting a thesis in paragraphs, essays, and reports, while using the four composition modes: expository, descriptive, persuasive, and narrative.

## **Pre-Advanced Placement English 2**

Grade 10

1 ELA credit



*May be taken in place of Language Arts 10*

**Prerequisite:** *Pre-AP English 9 and/or teacher recommendation*

English 2 builds on the foundation of English 1, with an emphasis on the recursive moves that matter in preparing students for the challenges of college-level reading, writing, and discussion. While English 1 introduces the fundamental routines of close observation, critical analysis, and appreciation of author's craft, English 2 requires students to apply those same practices to a new host of nonfiction and literary texts. As readers, students develop a vigilant awareness of how the poet, playwright, novelist, and writer of nonfiction alike can masterfully manipulate language to serve their unique purposes. As writers, students compose more nuanced analytical essays without losing sight of the importance of well-crafted sentences and a sense of cohesion.

## **Language Arts 11**

Grade 11

1 ELA credit



**Prerequisite:** *Language Arts 9 and 10*

Language Arts 11 is a multi-faceted full-year language arts course. This course examines assorted genres of literature including the novel, the short story, poetry, drama, nonfiction, and early historical writings of American authors. Composition is stressed through writing persuasive, narrative, expository, and descriptive essays. Students will also continue to implement research techniques for added support in their writing. To improve writing and to prepare for college entrance exams, students will review grammar and usage and work to build an extensive vocabulary.

## **Advanced Placement Language and Composition**

Grade 11, 12

1 ELA credit



*May be taken in place of Language Arts 11*

AP English Language and Composition may be taken in place of LA 11 for qualifying students. This course engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing.

## **Advanced Placement Literature and Composition**

Grade 12

1 ELA credit, 3 college credit hours



AP Literature is designed to give advanced seniors the opportunity to study college-level literature. By examining challenging literature and applying literary analysis skills, students will develop the critical reading, writing, and thinking skills necessary for improved self-confidence with college work. Students will read classic and contemporary works for knowledge and enjoyment. Students will write literary analysis papers inspired by various genres, including novels and plays, and they will connect different writers' themes with other literature and with their own lives. Much time will be devoted to preparation for the Advanced Placement English Literature and Composition test. Additionally, this class is available as dual credit through Drury University. Drury credit is worth 3 credit hours, and the grade corresponds with the spring semester.

## **Language Arts 12**

Grade 12

1 ELA credit



***Prerequisite:*** *Language Arts 9, 10*

Language Arts 12 is a total language arts course which continues to survey literary genres including the novel, the short story, drama, poetry and nonfiction to give students a solid background in world literature. During this course students will immerse themselves in a research project that will include research, non-fiction writing, product creation and a presentation. In this full-year course students continue to compose fully developed essays in four modes with an emphasis on proper collegiate format. Students will also develop variations on the college entrance essay and practice different aspects of professional writing by constructing cover letters, resumes, and practicing email etiquette. Grammar is reviewed and applied to writing, editing, and speaking skills to aid in post-secondary environments.

## **ELA**

Grades 9, 10, 11, 12

1 ELA credit

***Prerequisite:*** Counselor Recommendation

This course challenges students to improve their written and oral communication skills, while strengthening their ability to understand and analyze literature in a variety of genres. Literature: Students read a broad array of short stories, poetry, drama, novels, autobiographies, essays, and famous speeches. The course guides students in the close reading and critical analysis of classic works of literature, and helps them appreciate the texts and the contexts in which the works were written.

## **British Literature I**

Grades 11, 12

½ ELA credit, 3 college credit hours



***Prerequisite:*** Students should have a B average or above in language arts classes to enroll in this course for college credit

Students in British Literature I will experience college-level reading and writing, including writing literary critical analysis. Students survey significant writers who have influenced the direction of English language and thought. Writers to be studied will likely include Chaucer, the Gawain poet, Malory, Shakespeare, Donne, Johnson, and Milton. The course uses the chronological approach so that students may observe how background customs and conditions have affected the literature and language. The course also includes reading novels outside of class. The selected novels are from college and university surveys that rank the classics instructors recommend students read. This course expands the student's frame of reference and allows them to recognize allusions in discussions, reading, and writing. Grade 11 students may enroll only if the class-count permits.

**Students must determine whether or not they will enroll for dual credit by whatever deadline Drury University establishes. To enroll, they must pay the fee set by Drury University for three credits.**

## **British Literature II**

Grades 11, 12

½ ELA credit, 3 college credit hours



***Prerequisite:*** Students should have a B average or above in language arts classes to enroll in this course for college credit.

*British Literature I is not necessarily a prerequisite, but because the class uses the chronological approach, the design is for a full year.*

British Literature II is a continuation of British Literature I, beginning with the Restoration period and continuing through the Romantic period. Writers to be studied will likely include Bunyan, Dryden, Defoe, Pope, Swift, Johnson, Austen, Blake, Wordsworth, Coleridge, Keats, and the Shelleys.

This course expands the student's frame of reference and allows them to recognize allusions in discussions, reading, and writing. Students will write literary critical analysis, as well as read novels outside of class. Grade 11 students may enroll only if the class-count permits.

**Students must determine whether or not they will enroll for dual credit by whatever deadline Drury University establishes. To enroll, they must pay the fee set by Drury University for three credits.**

## **Composition 1**

Grades 11,12

½ ELA credit, 3 college credit hours



***Prerequisite:*** ELA 9, 10 Students should have a B average or above in language arts classes to enroll in this course for college credit

Writing course designed to develop students' abilities to write in a variety of modes for a wide range of purposes. Upon successful completion of this course, students should be able to develop proficiency in written expression, examine and practice persuasive techniques and related skills in structuring an argument, develop written expression, especially in terms of clarity and coherence, analyzing written texts, with an eye toward understanding the traits of high quality writing, and gain skills in drafting, revising, and editing.

**Students must determine whether or not they will enroll for dual credit by whatever deadline Drury University establishes. To enroll, they must pay the fee set by Drury University for three credits.**

## **Advanced Composition**

Grades 11 (second semester only), 12

½ ELA credit, 3 college credit hours



***Prerequisite:*** Composition 1; Students should have a B average or above in language arts classes to enroll in this course for college credit

Advanced Composition is designed to give students academic college-level writing experience. Beginning with the steps of the writing process, the course focuses on structuring argumentative essays. Students learn to think critically and logically, to design

attention-getting introductions with a clear thesis, to develop adequate support, to form a conclusion, and to edit their work, eliminating common writing problems. A computer-generated research paper is a requirement.

**To pass this course, students must complete all assigned essays.**

**Students must determine whether or not they will enroll for dual credit by whatever deadline Drury University establishes. To enroll, they must pay the fee set by Drury University for three credits.**

### **Mythology I**

Grades 11, 12

½ ELA elective credit



Mythology is a one-semester literature class, providing an important background in the classical origins of Western literature and Western culture as a whole. Emphasis is on the Greek myths, but several parallels will be made with stories from other cultures. Students will see that myths are stories that every culture creates to help cope with the unanswerable questions of life and to express fundamental feelings about reality. This course may be taken in the classroom or online. Online students must have computer access to the Internet.

### **Short Story**

Grades 11, 12

½ ELA elective credit

Short Story is a one-semester course designed primarily for juniors and seniors seeking additional practice to improve their reading, writing, speaking, and listening skills. It is neither a reading course to develop speed nor a remedial course.

The goal of this course is to help students become independent, critical readers. Students receive guidance and instruction in areas such as word recognition and meaning, study techniques, and increased development of comprehension skills. Improving writing skills is also included as part of this course.

### **Creative Writing**

Grades 11, 12

½ ELA elective credit



***Prerequisite:*** Evaluation of writing sample and/or language arts teacher's recommendation

Creative Writing is a one-semester course designed for students who have demonstrated writing proficiency in their language arts classes. This elective course features the reading, interpretation, and analysis of the short story and poetry as a tool for creative writing. Students will produce and publish short stories and/or poetry in a workshop setting, and the course will rely heavily on the writing process, peer-editing, and revision techniques.

### **The Works of William Shakespeare**

Grades 11, 12

½ ELA elective credit

The Works of William Shakespeare is a one-semester course designed for students to critically read and interpret Shakespeare's works. Students will identify, analyze and evaluate major themes in Shakespeare's plays: tragedies, comedies and histories. This course will study Shakespeare's evolution as an author and the relevance of his ideas to the present.

### **Journalism I**

Grades 10, 11, 12

½ ELA elective credit



***Prerequisite:*** Students should have a B or better in their language arts classes and grade 10 students also need a language arts teacher recommendation

Journalism I, a semester-long class, is designed to improve students as media consumers and to acquaint students with the techniques of print media writing and layout. Students examine the role of the media in society, especially the role of print media, and analyze the importance of journalistic ethics and responsibility in preparation for working on school publications.

The main goal of Journalism I is to prepare students to produce quality school print media. Students will develop the individual skills necessary to prepare material for the school print media by writing clearly, accurately, and objectively, using journalistic writing style. Students will prepare a special project based on one area of media study if time permits.

Since Journalism I is essentially a writing class, and since the school print media play an important role in the school's public relations program, students with strong language arts skills should be encouraged to take this course. To advance to Journalism II, the school print media production class, students must earn an A or B average in Journalism I.

## **Journalism II**

Grades 10, 11, 12

½ ELA elective credit

***Prerequisite:*** *B or above in Journalism I. All others need Journalism II teacher approval before enrolling*

Students in Journalism II are responsible for writing, editing, and publishing the school print media, online publications and yearbook. Students are responsible for planning each issue, writing and typing the copy, editing and proofing, shooting and developing the photos, and preparing and completing a computer-designed layout. The class will aim to produce a publication every four to six weeks throughout the school year; however, the number and size of the print media will depend upon student ability, the school calendar, and the cost of printing. Quality and accuracy are more important than the number of print media published since this is a laboratory class. Students will critique each issue after publication.

Journalism II students must meet deadlines and represent their school in a responsible manner.

## **Sports Information**

Grades 10, 11, 12

1 ELA elective credit

***Prerequisite:*** *Students should have a B or better in their language arts classes and grade 10 students also need a language arts teacher recommendation.*

Students in the Sports Information class will promote all high school MSHSAA activities through student-created print and electronic media. The students will attend athletic practices in order to build relationships and create preview, recap and human interest pieces. The students will attend athletic events in order to shoot photos/video, conduct interviews then create stories based on the event. The students will also contribute their products (photographs, stories, videos) to the athletic website, in-house publications, social media and local sports outlets. The course will include lessons on photography composition, interviewing skills, caption writing, recap writing, personality profile writing and preview writing. The following soft skills will be emphasized: collaboration, deadlines, leadership, dependability, and responsibility. Students will be required to attend a home sporting event outside of school day hours.

## **Public Speaking I**

Grades 9, 10, 11, 12

½ ELA elective credit



Public Speaking I is a one-semester course that introduces students to the elements of communication by focusing on creating a clear definition of communication, the communication process, the different types of communication, and communication terminology. The course also explores the causes of faulty listening and how to improve upon speech writing and listening skills. The course includes a public speaking phase where students prepare, deliver, and evaluate extemporaneous, informative, persuasive, and demonstrative speeches. Students will also be taught ethics, research, organizational, and delivery skills.

## **Public Speaking II**

Grades 9, 10, 11, 12

½ ELA elective credit



***Prerequisite:*** *Public Speaking I*

Public Speaking II, a one-semester course, students will learn and employ proper communication skills and theory as applicable to interpersonal communication, both dyadic and group. The course will also discuss oral interpretation: poetry reading, prose reading, dramatic and/or humorous interpretation of literature; debate including: parliamentary procedure, value and evidence based examination; and certain special occasion speeches. Students will be encouraged to continue developing communication, research, analysis, and reasoning skills; as well as verbal, nonverbal, and vocal delivery skills.

## **Debate**

Grades 9, 10, 11, 12

1 ELA elective credit



Forensics/Debate is a competitive events course. This course is valuable for students interested in higher education or in careers in law, business or politics. Students will prepare to compete in policy debate, Lincoln-Douglas debate, oratory, extemporaneous speaking, dramatic interpretation, humorous interpretation, duo improvisation, radio, prose, poetry, and student congress. This course is competitive in nature and requires members to attend after-school practices and to travel on weekends to forensic tournaments throughout the state.

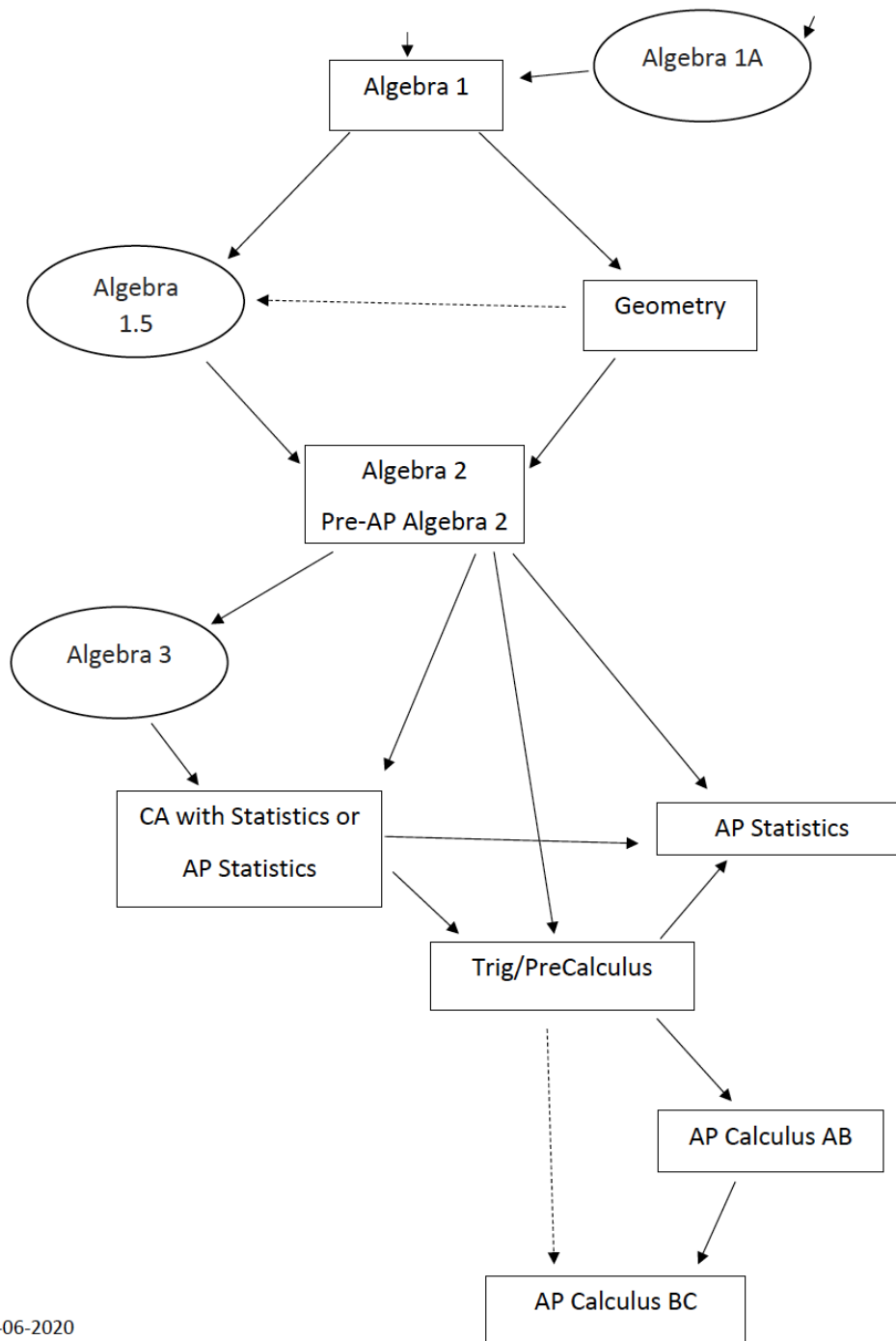
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## Math Recommended Sequence

*3 Units Required for Graduation*

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WHS Mathematics Progression Flow Chart



11-06-2020

# Math

## 3 Credits Required for Graduation

<b>9th Grade</b> <ul style="list-style-type: none"> <li>● Algebra I</li> <li>● Algebra 1A</li> <li>● Algebra II</li> <li>● Pre AP Algebra II</li> <li>● Geometry</li> </ul>	<b>10th Grade</b> <ul style="list-style-type: none"> <li>● Algebra I</li> <li>● Algebra 1.5</li> <li>● Algebra II</li> <li>● Pre AP Algebra II</li> <li>● Geometry</li> <li>● Trigonometry/Pre-Calculus</li> <li>● Statistics</li> <li>● Pre AP Statistics</li> </ul>	<b>11th Grade</b> <ul style="list-style-type: none"> <li>● Algebra 1.5</li> <li>● Algebra II</li> <li>● Pre AP Algebra II</li> <li>● Algebra III</li> <li>● College Algebra</li> <li>● Geometry</li> <li>● Trigonometry/Pre-Calculus</li> <li>● AP Calculus AB</li> <li>● Statistics</li> <li>● AP Statistics</li> </ul>	<b>12th Grade</b> <ul style="list-style-type: none"> <li>● Algebra 1.5</li> <li>● Algebra II</li> <li>● Pre AP Algebra II</li> <li>● Algebra III</li> <li>● College Algebra</li> <li>● Geometry</li> <li>● Trigonometry/Pre-Calculus</li> <li>● AP Calculus AB</li> <li>● AP Calculus BC</li> <li>● Statistics</li> <li>● AP Statistics</li> </ul>
 Advanced Placement Course	 Dual Credit Course	 Weighted Course	  Requires End of Course Assessment      NCAA Approved Class

### Algebra IA

Grade 9, *teacher recommendation*

1 Math credit

Algebra IA is a course focused on key strategies that will help students understand and apply algebraic concepts. TI-84 Plus graphing calculators are provided for classroom use. A scientific calculator is needed for this course.

### Algebra I

Grades 9, 10

1 Math credit



This course covers the basic skills of algebra in two-semester. The basic concepts of algebra are presented, and then students practice those skills until they are mastered. Students are advised to purchase a scientific calculator. TI-4 Plus graphing calculators are provided for classroom use.

### Algebra 1.5

Grades 10, 11, 12

1 Math credit

**Prerequisite:** *Algebra I, teacher recommendation*

Algebra 1.5 is a year-long course designed for students with a basic understanding of Algebra 1 or students who do not meet the prerequisite grade for Algebra II. Algebra 1.5 begins with a review of basic concepts of Algebra I and then introduces advanced algebra topics from algebra 2. A scientific calculator is needed for this course. TI-84 Plus graphing calculators are provided for classroom use.

## Algebra II

Grades 9, 10, 11, 12

1 Math credit



*EOC for students who completed Algebra I in 8th Grade*

**Prerequisite:** *C or above in Algebra I*

Algebra II is a year-long course designed for students who have mastered Algebra I and plan to continue with higher level math and science courses. The course begins with a review of basic concepts of Algebra I and contains a rigorous, comprehensive study of advanced algebra topics. A scientific calculator is needed for this course. TI-84 Plus graphing calculators are provided for classroom use.

## Pre-Advanced Placement Algebra II

Grades 9, 10, 11, 12

1 Math credit



*EOC for students who completed Algebra I in 8th Grade*

**Prerequisite:** *Algebra I and Geometry*

The Pre-AP® Algebra 2 course capitalizes on, solidifies, and extends the conceptual understanding and procedural fluency of functions and data analysis that students developed in prior courses. They build upon linear, quadratic, and exponential functions as they work to define logarithmic, polynomial, rational, square root, cube root, and trigonometric functions. Quantitative literacy is developed by weaving data sets, contextual scenarios, and mathematical modeling throughout the course. Students are able to make sense of many real-world scenarios because of their increased toolbox of functions. These skills make students critical consumers of the day-to-day mathematics that surrounds them, as well as prepare them for subsequent coursework in mathematics and the sciences.

## Algebra III

Grades 11, 12

1 Math credit



**Prerequisite:** *Algebra II*

Algebra III is a course designed to prepare students for a collegiate level Algebra course. The course includes a study of functions and graphs, solutions of equations and inequalities and the properties of polynomial, rational, exponential, and logarithmic functions. Students are advised to purchase a scientific calculator. TI-84 Plus graphing calculators are provided for classroom use.

## College Algebra

Grades 11, 12

½ Math credit



**Prerequisite:** *C or above in Algebra II*

College Algebra is designed to give students an academic college level math experience. College Algebra reviews algebraic notation in the solution of problems and advances to applications involving complex numbers, inequalities, functions, and exponential and logarithmic functions. Matrices are used to solve systems of equations, and the binomial theorem is applied extensively. Successful completion of this course may result in three hours of college credit from Drury University. To receive college credit, students are expected to maintain a 95% or better attendance record. To enroll for college credit, students must pay the fee set by Drury University. TI-84 Plus graphing calculators are provided for classroom use. This course is geared towards students pursuing non-technical degrees i.e. not pursuing a math, science, medical or engineering career.

## Geometry

Grades 9, 10, 11, 12

1 Math credit



**Prerequisite:** *C or above in Algebra I*

Geometry is concerned with the rigorous study of geometric figures using the principles of inductive and deductive reasoning. Specific objectives of the class include a review of the properties of the real numbers and inquiry into the principles of logical inference, helping the student to better understand the nature of a mathematical system and to develop powers of spatial visualization. This course provides a large number of geometric theorems that may be useful in a wide variety of technical and scientific occupations and a rigorous study of formal proofs.

TI-84 Plus graphing calculators are provided for classroom use. A scientific calculator is needed for this course.

## Statistics

Grades 11, 12

½ Math credit



**Prerequisite:** *Algebra I*

Statistics is concerned with matching types of data to correct models and then testing to see if the conclusions these models present are valid. Skills are developed through objectives, applications, and problems. These skills are then connected until enough skills and applications have been gathered to fully analyze given situations for real life applications. Those conclusions are studied to see how valid they are for given situations. “Sampling” is used to simplify the means of data-gathering to represent much larger groups with similar features. TI-84 Plus graphing calculators are available for check-out for the year.

## Trigonometry/Pre-Calculus

Grades 10, 11, 12

1 Math credit



**Prerequisite:** *C or above in Algebra II and Geometry*

This course is designed to prepare students for AP Calculus. Topics include polynomial, rational, radical, exponential, and logarithmic functions; complex numbers; systems of equations and inequalities; matrices and determinants; sequences and series; the Binomial Theorem; and analytic geometry of conic sections. Students will solve applied problems from different areas of science and math, and will learn techniques for working with and without the aid of a graphing calculator. TI-84+ graphing calculators are provided for classroom use.

## Advanced Placement Statistics

Grades 10, 11, 12

1 Math credit



**Prerequisite:** *B or above in Algebra II*

AP Statistics is the high school equivalent of a one semester, introductory college statistics course. In this course, students develop strategies for collecting, organizing, analyzing, and drawing conclusions from data. Students design, administer, and tabulate results from surveys and experiments. Probability and simulations aid students in constructing models for chance phenomena. Sampling distributions provide the logical structure for confidence intervals and hypothesis tests. To develop effective statistical communication skills, students are required to prepare frequent written and oral analyses of real data. Students must be willing to devote at least 30 minutes per day outside class to achieve mastery of all concepts. Students need a graphing calculator for the course. A limited number of TI-84 Plus graphing calculators are available for check-out.

### **Advanced Placement Calculus AB**

Grades 11, 12

1 Math credit



**Prerequisite:** *C or above in Trigonometry/Pre-Calculus*

AP Calculus AB begins with analysis of elementary functions using techniques and theorems from algebra, geometry and trigonometry. The course proceeds into the study and applications of limits, derivatives, and integrals. The course requires use of both scientific and graphing calculators: as well as the ability to solve problems without a calculator. The course covers all objectives outlined in the AP Calculus AB Syllabus. Problems are complex and require continuous effort. Students must be willing to devote at least 30 minutes per day outside class to achieve mastery of all concepts. Students need a graphing calculator for the course. Students need a graphing calculator for the course. A limited number of TI-84 Plus graphing calculators are available for check-out during the year. .

### **Advanced Placement Calculus BC**

Grade 11, 12

1 Math credit



**Prerequisite:** *C or above in Advanced Placement Calculus AB*

AP Calculus BC is a full-year course in the calculus of functions of a single variable. It includes all topics covered in AP calculus AB plus additional topics. The course requires use of graphing calculators: as well as the ability to solve problems without a calculator. The course covers all objectives outlined in the AP Calculus BC Syllabus. Problems are complex and require continuous effort. Students must be willing to devote at least 45 minutes per day outside class to achieve mastery of all concepts. Students need a graphing calculator for the course. A limited number of TI-84 Plus graphing calculators are available for check-out.

### **Math 1**

1 Math credit

**Prerequisite:** Counselor Recommendation

This course focuses on transferring concrete mathematical knowledge to more abstract algebraic generalizations. This course emphasizes the study of multiple representations of linear and nonlinear functions. It includes mathematical concepts for working with rational numbers, various expressions, analyzing and solving linear equations & inequalities, data analysis, probability, statistics, and polynomials. Students will apply what you learn to real-world concepts and tasks. Technology will be used to introduce and expand upon the areas of study listed above. Use of computers and graphing calculators will be incorporated into each module. Students who complete this course should take Math 2 next.

### **Math 2**

1 Math credit

**Prerequisite:** Counselor Recommendation

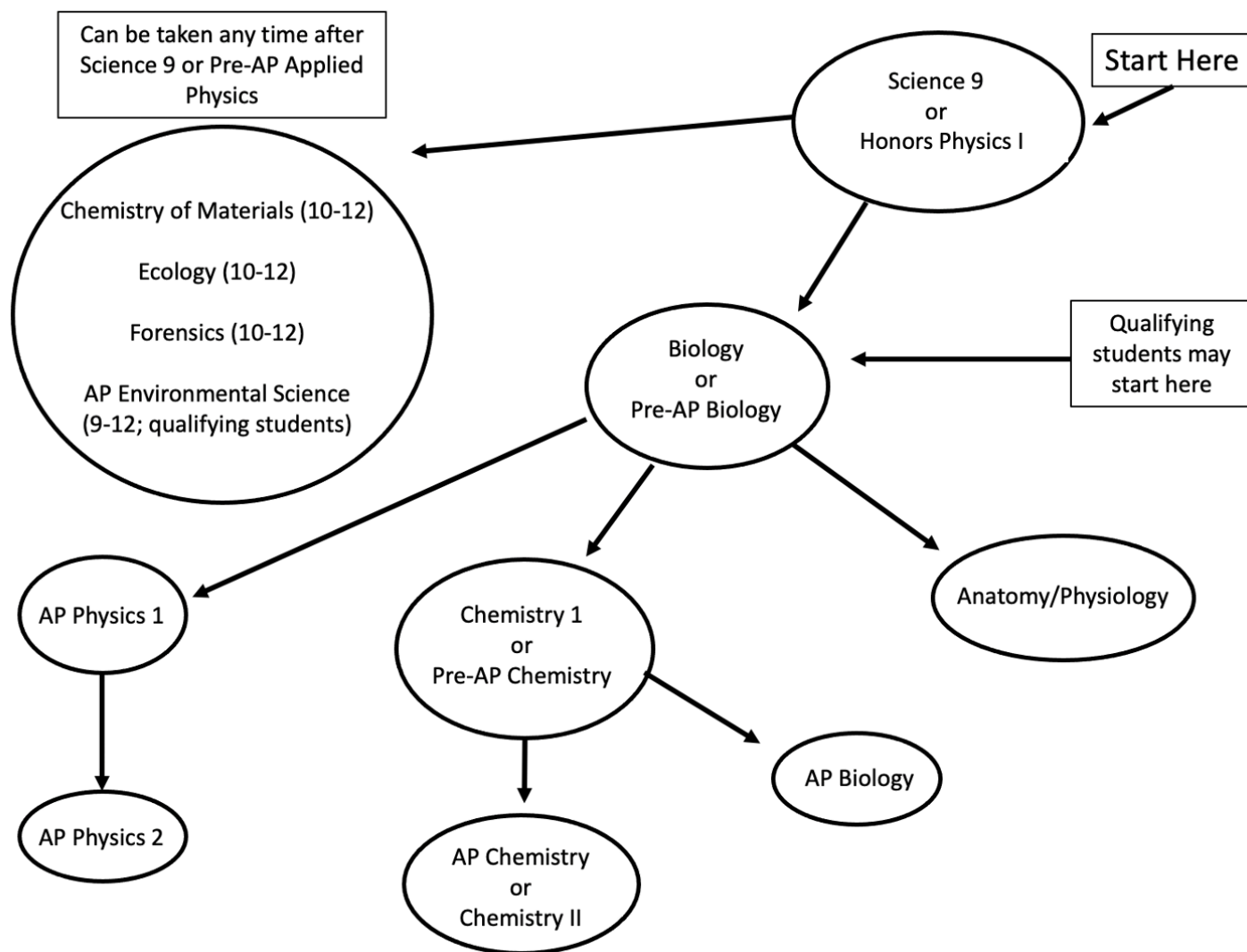
This course is designed to build on algebraic and geometric concepts. It develops advanced algebra skills such as systems of equations, advanced polynomials, imaginary and complex numbers, quadratics, and concepts and includes the study of trigonometric functions. It also introduces matrices and their properties. The contents of this course are important for students' success on both the ACT and college mathematics entrance exams.

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## Science Recommended Sequence

*3 Units Required for Graduation*







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# Science

3 credits Required for Graduation

<u>9th Grade</u>	<u>10th Grade</u>	<u>11th Grade</u>	<u>12th Grade</u>
<ul style="list-style-type: none"> <li>● Science 9: Physical Science</li> <li>● Biology</li> <li>● Honors Physics</li> <li>● AP Environmental Science</li> </ul>	<ul style="list-style-type: none"> <li>● Biology</li> <li>● Pre AP Biology</li> <li>● AP Biology</li> <li>● Chemistry of Materials</li> <li>● Chemistry I</li> <li>● Pre AP Chemistry</li> <li>● AP Environmental Science</li> <li>● Earth &amp; Space Science</li> <li>● Ecology</li> <li>● Forensics</li> </ul>	<ul style="list-style-type: none"> <li>● Anatomy/Physiology</li> <li>● Biology</li> <li>● Pre AP Biology</li> <li>● AP Biology</li> <li>● Chemistry of Materials</li> <li>● Chemistry I</li> <li>● Pre AP Chemistry I</li> <li>● Chemistry II</li> <li>● AP Chemistry</li> <li>● AP Environmental Science</li> <li>● AP Physics 1</li> <li>● Earth &amp; Space Science</li> <li>● Ecology</li> <li>● Forensics</li> </ul>	<ul style="list-style-type: none"> <li>● Anatomy/Physiology</li> <li>● Biology</li> <li>● Pre AP Biology</li> <li>● AP Biology</li> <li>● Chemistry of Materials</li> <li>● Chemistry I</li> <li>● Pre AP Chemistry I</li> <li>● Chemistry II</li> <li>● AP Chemistry</li> <li>● AP Environmental Science</li> <li>● AP Physics 1</li> <li>● AP Physics 2</li> <li>● Earth and Space Science</li> <li>● Ecology</li> <li>● Forensics</li> </ul>

 Advanced Placement Course	 Dual Credit Course	 Weighted Course	 Requires End of Course Assessment	 NCAA Approved Class	 Lab
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## Science 9: Physical Science

Grade 9

1 Science credit



Science 9 is an introductory class to the characteristics, behavior and interaction of matter. Students will learn physical and chemical properties of matter and how those determine the behavior of objects around them. They will demonstrate understanding of these concepts through projects, labs and presentations.

## Honors Physics 1

Grade 9

1 Science credit



**Prerequisite:** B or Better Algebra I and currently enrolled in Geometry. Firm understanding of laboratory technique and the ability to do independent study.

Honors Physics 1 is designed to prepare students for AP Physics 1 & 2. This course is a fast paced class that includes scientific processing skills that go beyond the normal material covered in Science 9. Honors Physics 1 is an Algebra-based Physics Class. Algebra 1 required (cannot be taken concurrently). Other grade levels will be in the class. Course objectives will be covered at a fast pace and in greater detail than Science 9. Material Covered: Kinematics, Forces, Energy, Work, Power, Momentum, Gravity, Rotation, and Waves.

## Biology

Grades 9, 10, 11, 12

1 Science credit



**Prerequisite:** Freshmen who wish to enroll in Biology must have a firm understanding of laboratory technique and the ability to do independent study.

Biology introduces students to the vocabulary, literature, and laboratory procedures necessary to learn about living things. Specifically, topics taught in this course include: science process skills, cellular structure & function, DNA/RNA structure & function, biological classification, and energy flow in ecosystems.

### **Pre-Advanced Placement Biology**

Grades 9, 10, 11, 12

1 Science credit



*Can replace Biology*

Pre-AP Biology sparks student motivation and critical thinking about our living world as they engage in real-world data analysis and problem-solving. The Pre-AP Biology course emphasizes the integration of content with science practices—powerful reasoning tools that support students in analyzing the natural world around them. Having this ability is one of the hallmarks of scientific literacy and is critical for numerous college and career endeavors in science and the social sciences.

### **Earth and Space Science**

**Grades:** 10-12

1 Science Credit



Earth and Space Science is a full-year course designed to expand student's previous knowledge on non-biological processes that occur on Earth and beyond. Students will explore the history of the universe and of Earth's formation by looking at different types of land formations, the way rocks are layered, and the differences between the land and sea floor. Students will be exposed to various labs that will help reinforce the knowledge learned in class. At the end of this course, students will be better prepared for the physical science credit required by most major universities and will have a better understanding of the history of their planet.

### **Forensics**

Grades 10, 11, 12

½ Science credit



**Prerequisite:** *C or above in Biology, recommendation of Chemistry*

Forensics is designed around authentic performance assessments with students working in teams to solve “crimes” using scientific knowledge and deductive reasoning. It involves many areas of science including biology, anatomy, chemistry and earth science with an emphasis on complex reasoning and critical thinking skills.

### **Chemistry I**

Grades 10, 11, 12

1 Science credit



**Prerequisite:** *Biology*

This course is designed to familiarize students with the basic concepts and principles of chemistry and to provide a firm foundation for further education in an area of scientific study. Beginning with a description of matter, the course progresses to nuclear chemistry. Students learn to think critically and logically, and to develop strategies for solving problems.

### **Pre-Advanced Placement Chemistry I**

Grades 10, 11, 12

1 Science credit



**Prerequisite:** *Biology*

Pre-AP Chemistry focuses on students developing a deep conceptual understanding of matter and energy at the molecular level by asking students to explain their macroscopic observations using particulate-level reasoning. The Pre-AP Chemistry course emphasizes the integration of content with science practices—powerful reasoning tools that support students in analyzing the natural world around them. Having this ability is one of the hallmarks of scientific literacy and is critical for numerous college and career endeavors in science and the social sciences.

## Chemistry II

Grades 11, 12

1 Science credit



**Prerequisite:** *Recommended C or above in Biology, Chemistry I and Algebra II*

This second-year chemistry course is designed for the college-bound student interested in an area of science. These students have mastered the fundamental chemical principles and are prepared for a more sophisticated treatment of chemical topics. Beginning with a review of general chemical principles, the course progresses to organic chemistry. Successful completion of this course may result in the student receiving four hours of college credit from Drury University.

## Chemistry of Materials

Grades 10, 11, 12

1 Science credit



**Prerequisite:** *Biology*

In Chemistry of Materials, the students will learn the fundamental principles of the structure and properties of materials and the relationships between structure and electrical, mechanical, thermal, and chemical properties. The students will learn about metals, ceramics, multiphase systems, and polymeric materials.

## Advanced Placement Physics 1

Grades 11, 12

1 Science credit



**Prerequisite:** *Algebra I and II, Geometry, and Trigonometry should be taken before enrollment or concurrently. Chemistry is recommended, but not necessary.*

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits.

## Advanced Placement Physics 2

Grade 12

1 Science credit



**Prerequisite:** *AP Physics 1*

AP Physics 2 is the equivalent of a second-semester introductory college course in algebra-based physics. Students cultivate their understanding of Physics through inquiry-based investigations as they explore these topics: fluids; thermodynamics; electrical force, field and potential; electric circuits; magnetism and electromagnetic induction; geometric and physical optics; and quantum, atomic and nuclear physics.

## Ecology

Grades 10, 11, 12

1 Science credit



**Prerequisite:** *Science 9*

Ecology will offer students a diverse study of our environment. Students will analyze many issues concerning our environment and make decisions that will shape their future practices. Each topic will take into consideration the balance of the affected ecosystem and how that balance can be maintained under the stresses of the current global perspective.

## Anatomy/Physiology

Grades 11, 12

1 Science credit



**Prerequisite:** *C or above in Biology*

This one-year course is designed to prepare students who wish to pursue careers in the health fields. Students will be introduced to the structures and functions of the human body.

## Advanced Placement Environmental Science

Grades 9, 10, 11, 12

1 Science credit



**Prerequisite:** *Biology and Chemistry are recommended. Freshmen or Sophomores wishing to enroll in APES must be strong readers and writers with good study skills and a firm understanding of laboratory technique and the ability to do independent study.*

AP Environmental Science is designed to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Students will work to identify and analyze natural and human made environmental problems, assess risks associated with these problems and examine possible solutions. Themes of the course will include processes of science, the systematic nature of the earth, energy flow, and human impact on natural systems. Students will be prepared for and expected to take the AP Environmental Science examination.

## Advanced Placement Biology

Grades 10, 11, 12

1 Science credit



**Prerequisite:** *Biology and Chemistry I*

Advanced Placement Biology is an in-depth study of living systems. All levels of biology, from the molecular to the biosphere, will be presented to ensure that the students have developed an appreciation of the relationships among these levels. Investigations that include careful observation, question posing, hypothesis formulation, and hypothesis testing under controlled conditions will ensure that the students use the scientific process. Students will develop higher cognitive skills by analyzing and synthesizing experimental data and discussing contemporary biological issues. Biological concepts and principles will be taught at a university level. Emphasis will be placed on biochemistry, physiology, evolution, ecology, genetics, and cytology. Students will be prepared for and expected to take the AP Biology examination.

## Advanced Placement Chemistry

Grades 11, 12

1 Science credit








**Prerequisite:** *Algebra II and Chemistry*

AP Chemistry is a college level course intended for students wishing to pursue careers in engineering, medicine, and/or the natural sciences. Students will learn how to logically and scientifically express their ideas, deepen their understanding of fundamental concepts, and improve their competence in solving chemical problems. Problem solving will be both qualitative and quantitative. Mathematical reasoning will be stressed. Students will be prepared for and expected to take the AP Chemistry examination.

# Social Studies

3 credits Required for Graduation

<u>9th Grade</u> <ul style="list-style-type: none"><li>● World History</li><li>● Pre AP World History &amp; Geography</li></ul>	<u>10th Grade</u> <ul style="list-style-type: none"><li>● World History</li><li>● American History</li><li>● AP US History</li></ul>	<u>11th Grade</u> <ul style="list-style-type: none"><li>● World History</li><li>● AP US History</li><li>● American Government 1</li><li>● AP Government &amp; Politics</li></ul>	<u>12th Grade</u> <ul style="list-style-type: none"><li>● World History</li><li>● AP US History</li><li>● American Government 1</li><li>● AP Government &amp; Politics</li></ul>
Social Studies Electives			
<u>9th Grade</u>	<u>10th Grade</u> <ul style="list-style-type: none"><li>● Psychology I</li><li>● Psychology II</li><li>● Psychology in Sports</li></ul>	<u>11th Grade</u> <ul style="list-style-type: none"><li>● Civil War Period</li><li>● World War II Period</li><li>● Psychology I</li><li>● Psychology II</li><li>● AP Psychology</li><li>● Sociology</li><li>● AP Macroeconomics</li><li>● AP Microeconomics</li><li>● Psychology in Sports</li></ul>	<u>12th Grade</u> <ul style="list-style-type: none"><li>● Civil War Period</li><li>● World War II Period</li><li>● Psychology I</li><li>● Psychology II</li><li>● AP Psychology</li><li>● Sociology</li><li>● AP Macroeconomics</li><li>● AP Microeconomics</li><li>● Psychology in Sports</li></ul>

 Advanced Placement Course	 Dual Credit Course	 Weighted Course	 Requires End of Course Assessment	 NCAA Approved Class
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## World History

Grades 9, 10, 11, 12

1 Social Studies credit



World History is a two-semester course designed to give students the opportunity to explore history in depth, from the beginning of civilization through the present. The impact of geography and the economic consequences of world events will be an integral component of this course.

## Pre-Advanced Placement World History and Geography

Grades 9

1 Social Studies credit



Pre-AP World History and Geography focuses deeply on the concepts and skills that have maximum value for high school, college, careers, and civic life. Three enduring ideas this social studies course is built around make it engaging and relevant:

### 1. **History is an interrelated story of the world.**

The course explores the invisible structures and forces that shape and reflect the regions, communities, governments, economies, and cultures of humanity. These big ideas help students develop an organized and meaningful understanding of time and space.

2. **History and geography are inherently dynamic.**

As historians and geographers uncover new evidence, current assumptions are challenged, and previous arguments and narratives gain complexity, nuance, and context. This course teaches students how to examine sources and data, establish inferences, and ultimately build and critique arguments.

3. **Historians and geographers are investigators.**

Learning in Pre-AP World History and Geography is designed to be a disciplinary apprenticeship where students participate in the process of discovery. Students will play the role of historian and geographer by practicing the detective skills and using the tools of each field of study.

## **American History**

Grade 10

1 Social Studies credit



### **Required for Graduation**

American History is a two-semester course designed to provide students with a factual background in history and with the skills to encourage responsible and informed citizenship. American History is a required course for sophomores. The areas of concentration are the social, economic, and political developments of 20th century America.

## **Advanced Placement United States History**

Grades 10, 11, 12

1 Social Studies credit



**Prerequisite:** *C or above in previous history classes*

Advanced Placement United States History is an accelerated and demanding review of American history and culture. Since students will be reading and assessing college-level material, the course requires a high level of competence and interest. American history from the colonial period to the 1980's will be covered. Successful completion of a national examination could result in college credit or advanced placement at the college level.

## **American Government**

Grade 11, 12

1 Social Studies credit



### **Required for Graduation**

American Government is a course designed to give the student a knowledge of the major components that make up the American governing system, a historical perspective of its development, and the role, structure, and functioning of the three branches of government. The course will also cover the civil rights system, forms of state and local governments, and comparative political and economic systems of government. Students enrolled in this course will be required to take the U.S. Constitution exam, Missouri Constitution exam, and the Civics exam. This course is designed to meet mandated graduation requirements.

## **Advanced Placement Government and Politics - U.S.**

Grades 11, 12

1 Social Studies credit



*May be taken in place of American Government*

**Prerequisite:** *C or above in American History*

AP Government and Politics- U.S. is an accelerated and demanding introduction to the theory, organization, functions and government structures of the U.S. political system. Emphasis will be placed on the national level of politics and major linkages with state and local governments, with particular emphasis on Missouri. Students enrolled in this course will be required to take the U.S. and Missouri Constitution exams. This course is designed to meet three mandated graduation requirements. Successful completion of a national examination could result in college credit or advanced placement at the college level.

## **Psychology I**

Grades 10, 11, 12

½ Social Studies credit



Psychology is a one-semester course designed to utilize student's abstract thinking and reasoning skills. The course emphasizes the basic principles of psychology, its history and its founders. The course is designed to present basic psychology as a social science and to present students with the basic skills and information necessary to acquire an understanding of human behavior.

## **Psychology II**

Grades 10, 11, 12

½ Social Studies credit



***Prerequisite:*** *Psychology I*

Advanced Psychology is a one-semester course designed for high ability students who have demonstrated above average performance in Psychology. The class deals with intelligence, senses, mental illness, and psychological research.

This course is designed to introduce students to more difficult aspects of behavior such as thinking, reasoning, sensory functions, and abnormal behavior. A research project is included in the course.

## **Advanced Placement Psychology**

Grades 11, 12

1 Social Studies credit



***Prerequisite:*** *Recommended Psychology I and Psychology II*

Advanced Placement Psychology is an accelerated and rigorous academic course that is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

## **Psychology in Sports**

Grades 11, 12

½ Social Studies credit

***Prerequisite:*** Psychology 1 or AP Psychology

Sports psychology, contrary to what the phrase might bring to mind, is not simply about sport; it's the application of psychological principles, theories, and topics to the areas of well, yes, sports but also exercise, competition, physical development in childhood and adolescence, health/disease, and overall wellness. Specific topics to cover include motivation, concentration, resiliency, attention, decision making based on inter- behavior, cognitive approaches in physical activity (e.g. overcoming physical obstacles and injury), sports medicine, teamwork, aggression v. passivity, and more. A strong emphasis on project-based learning in the course reflects a desire to not only educate students about the psychological aspects of sport and exercise, but also a commitment to help them apply their knowledge in meaningful and practical ways, whether they are a varsity athlete or simply a student who is interested in the idea of how mental and physical wellbeing intersect.

## **Sociology**

Grades 11, 12

½ Social Studies credit



Sociology is the study of group behavior with emphasis on how it affects the individual. It studies the activities, habits, and beliefs of various groups of people, and of the individuals within these groups. Topics for study include: sociology as a science; culture and transmission of culture; the place of the individual within the family, friendship group, community, school, or job group; and current national or international problems as seen from the sociological viewpoint.

## **Civil War Period**

Grades 11, 12

½ Social Studies credit



This is a one-semester course designed to provide students with an understanding of the causes and events of the American Civil War and Reconstruction. Civil War Period is an elective course for juniors and seniors.

## **World War II Period**

Grades 11, 12

½ Social Studies credit



This is a one-semester course designed to provide students with an understanding of the causes and events of World War II and the Cold War. World War II Period is an elective course for juniors and seniors.

## **Advanced Placement Macroeconomics**

Grades 11, 12

½ Social Studies credit



AP Macroeconomics is a college-level course that introduces students to the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination. It also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. The program is designed to prepare students for college courses by requiring work similar to that of a first-year college student.

## **Advanced Placement Microeconomics**

Grades 11, 12

½ Social Studies credit



AP Microeconomics is a college-level course that introduces students to the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. AP Microeconomics is equivalent to a one-semester introductory college course in economics. The program is designed to prepare students for college courses by requiring work similar to that of a first-year college student.

*1 Unit Required for Graduation*

Grades 9, 10, 11, 12	½ Fine Art credit
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- By removing the **Exploring Art** (curriculum taught in Junior High) prerequisite and adding Sculpture I, Fibers, Digital Art, AP Drawing, AP 2D, AP 3D, and AP Art History, the art students will have more opportunities for a well-rounded artist.

Grades 9, 10, 11, 12	½ Fine Art credit
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AP<sup>®</sup> W

Grades 11, 12, <i>teacher recommendation</i>	1 Fine Art Credit
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AP<sup>®</sup> W

Grades 11, 12, <i>teacher recommendation</i>	1 Fine Art Credit
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AP<sup>®</sup> W

Grades 11, 12, <i>teacher recommendation</i>	1 Fine Art Credit
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Develop 3-D skills in materials and processes such as sculpture, architectural rendering and models, metalwork, ceramics, and glasswork. The course allows the student to investigate the materials, processes, and ideas that artists and designers use—practicing, experimenting, and revising as you create your work—communicating your ideas about works of art and design. This course aims to create a portfolio of college-level work and submit it for evaluation (instead of taking a year-end paper-and-pencil AP Exam). A qualifying portfolio score can earn you college credit, advanced placement, or both.

### **Advanced Art**

Grades 11, 12

½ Fine Art credit

***Prerequisite:*** Three semesters of visual art classes

Advanced art is a studio course in which students will increase technical skills, develop a more sophisticated approach to process and subject matter, and create a portfolio of individual work in various mediums. In this class students will keep an artist journal to explore the artistic process, experiment with materials and analyze work. This class is intended for those who are having the interest in pursuing an art career.

### **Ceramics I**

Grades 9, 10, 11, 12

½ Fine Art credit

Ceramics is a specialized art course focusing on hand-building techniques of ceramic. Studio activities will include pinch technique, slab and coil construction, as well as decorative methods. Students will create functional, as well as nonfunctional pieces, with reference to the elements and principles of design. Non-studio activities will include analyzing works of art and taking written tests.

### **Ceramics II**

Grades 10, 11, 12

½ Fine Art credit

***Prerequisite:*** *Ceramics I, teacher recommendation*

Advanced ceramics is designed to expand the hand building skills introduced in ceramics one and introduce potter's wheel techniques. Students will create both functional and nonfunctional pieces incorporating the elements and principles of art. Non-studio activities include analyzing works of art as well as written tests.

### **Design I**

Grades 9, 10, 11, 12

½ Fine Art credit

Design is a specialized art course focusing on two dimensional design problems. The focus is on the principles of art through a variety of media such as, marker, colored pencil, cut paper and printmaking.

### **Design II**

Grades 10, 11, 12

½ Fine Art credit

***Prerequisite:*** *Design I, teacher recommendation*

Design II is designed to further student knowledge of design. This course will stress three dimensional design problems in a variety of media such as, glass etching, paper relief and sculpture and mixed media sculpture.

### **Drawing and Painting I**

Grades 9, 10, 11, 12

½ Fine Art credit

Drawing and Painting is a specialized art course focusing on two dimensional works of art from observation. The goal is to learn drawing and painting techniques needed to create realistic art works. A variety of drawing and painting media are used such as, drawing pencil, colored pencil, oil and chalk pastel, transparent and opaque paint media.

### **Drawing and Painting II**

Grades 10, 11, 12

½ Fine Art credit

***Prerequisite:*** *Drawing and Painting I, teacher recommendation*

Drawing and Painting II is designed to further student knowledge of two-dimensional art. This course will stress personal experimentation in a variety of drawing and painting media, instructor generated assignments, and independent research.

### **Theatre I - Survey of Theatre**

Grades 9, 10, 11, 12

½ Fine Art credit

Theatre I is a one-semester course designed to introduce you to drama as presented through theatrical production, history, and limited performance. Its focus rests on introducing you to: the human condition, theatre history, theatre of other cultures, theatre's purpose, the production staff, the audition and rehearsal process, and the impact of theatre in our daily lives. Focus also rests on developing your understanding of theatre etiquette and the elements, structure, interpretation and styles of drama. As time and class size permits, you may also be expected to perform monologues and/or small scenes from plays, on a limited basis as an introduction to acting concepts covered in Theatre II. Students will be involved in helping to produce the high school play or musical in a limited capacity and will be required to help construct the settings for these productions..

### **Theatre II - Acting**

Grades 9, 10, 11, 12

½ Fine Art credit

***Prerequisite:*** *Theatre I or permission of instructor*

Theatre II is a one-semester course in acting. Students are required to perform in class. Performances include solo, duet, and/or small group efforts. Theatre II introduces students to activities designed to explore and enhance their acting abilities. Students will begin by discovering and learning how to use inner resources to develop their acting skills. Emphasis is placed on developing physical and vocal expressiveness through improvisation, pantomime, and solo, duet, and group performances. Students are encouraged to honestly and tactfully evaluate one another's work and attend high school, amateur, and professional performances. Time is also spent on theatrical makeup design and application.

### **Theatre III - Application of Theatrical Design and Technology**

Grades 9, 10, 11, 12

½ Fine Art credit

***Prerequisite:*** *Theatre I or permission of the instructor*

Theatre III is a one-semester laboratory course designed to give students in-depth experience into theatrical production and design. The course is not oriented to performance. Its focus rests on developing a student's understanding of producing the dramatic performance from an administrative and technical perspective. Students will be required to assist in producing the high school play or musical in a number of capacities. Students will also provide technical assistance for district-wide and community activities taking place in the high school theatre and the Parker Fine Arts Building. This will provide them with the hands-on involvement necessary to understand the basic requirements of a good amateur or professional production.

### **Theatre IV - Ensemble Acting and Production**

Grades 10, 11, 12

½ Fine Art credit

*Offered in the Fall Semester only*

***Prerequisite:*** *Theatre I, II, and III or permission of instructor*

Theatre IV is a studio theatre course intended for advanced theatre students only. With guidance from the instructor, this course will give students the opportunity to direct, design, and provide technical support for their own student produced one act plays. Students will have the opportunity to apply skills they acquired in the previous theatre courses in an ensemble effort. In this way a professional ensemble ethic, necessary for quality amateur, college, and professional theatre will be developed.

Students will be given the opportunity to showcase their work in performances for the community, the Missouri State Thespian Conference, and/or the Missouri State High School Activities Association District and State Speech, Drama, and Debate Tournaments.

### **Intensified Theatre**

Grades 11, 12

½ Fine Art credit

***Prerequisite:*** *Theatre I, II, III, and IV*

The Intensified Theatre course will be an all encompassing-independent study course focused on allowing students to gain a more in-depth content knowledge for post secondary success. Students will be able to select a focus area out of six possible: Playwriting, Stage Management, Directing, Theatre History, Advanced Acting, or Production Design. Each of the areas will help students increase their chances at obtaining scholarships and placement in a 4 year university.

### **Jazz Band**

Grades 9, 10, 11, 12

1 Fine Art credit

***Prerequisite:*** *Recommended 2 years prior instrumental playing experience and audition*

Students must perform an audition to become a member of the WHS Jazz Band. This class will provide many performances throughout the year. The students will study various styles of jazz music. The students will develop the following skills: proper breath management, jazz articulation, posture, sight-reading skills, improvisation, and characteristic jazz tone. All of the performances are required. There will be a minimum of four (4) performances; other performances may be added later.

### **Marching Band**

Grades 9, 10, 11, 12

½ Fine Art credit

***Prerequisite:*** *Recommended 2 years prior instrumental playing experience*

The class meets daily for one period during the first semester of the academic year. During the first semester the band performs at all home football games and all members enrolled in the marching band are required to participate. The band will rehearse one night a week, Saturdays prior to the start of competitions and participate in marching band festivals on the weekends. The students will be given the dates in advance to make necessary arrangements to attend all rehearsals and performances. All rehearsals and performances are required and points will be assessed to the student's grade. The class takes preparation and dedication from the student in order to have a superior ensemble that will be competitive on the football field. All students must have a passing semester grade in all subjects the spring semester of the previous year.

**Note:** All band students will play an audition for chairs at the end of the marching band season to determine their placement in the Wind Ensemble or the Concert Band. Their score will also be assessed as a playing test grade.

### **Symphonic Band**

Grades 9, 10, 11, 12

½ Fine Art credit

***Prerequisite:*** *Recommended 2 years prior instrumental playing experience*

This class meets daily for one period during the second semester of the school year. The activities during the second semester include two spring concerts, participation at the District and State Music Festival, and some students may be asked to perform with the Wind Ensemble in the high school commencement program.

All performances are required and the student will receive points toward their grade. Students must have a passing grade in all first semester classes to be eligible for competition at the District and State Music Festival.

### **Wind Ensemble**

Grades 9, 10, 11, 12 ½ Fine Arts credit

***Prerequisite:*** Audition and/or director's recommendation

This class meets daily for one period during the second semester of the school year. Wind Ensemble students build on the fundamentals taught in Middle School and Concert Band by providing instruction in advanced ensemble techniques. The activities during the second semester include two spring concerts, participation at the District and State Music Festival, and a performance in the high school commencement program.

All performances are required and the student will receive points toward their grade. Students must have a passing grade in all first semester classes to be eligible for competition at the District and State Music Festival.

### **Basic Guitar**

Grades 9, 10, 11, 12 ½ Fine Art credit

Basic Guitar is a one-semester course offered to students that wish to learn the basic skills of playing the guitar. The skills learned in this course will allow the student to enjoy and appreciate music through the playing of an instrument that can be used throughout life.

### **Advanced Guitar**

Grades 9, 10, 11, 12 ½ Fine Art credit

***Prerequisite:*** Basic Guitar or audition with instructor

Advanced Guitar is a one-semester course offered to students that wish to learn more advanced skills of playing the guitar. The skills learned in this course will allow the student to enjoy and appreciate music through the playing of an instrument that can be used throughout life.

### **Music Appreciation I**

Grades 9, 10, 11, 12 ½ Fine Art credit

Music Appreciation is offered to students seeking music as a career and students with a limited knowledge of music who wish to have a more intelligent understanding of the instrumental and vocal aspects of music and compositions in the Middle Ages, Renaissance and Baroque periods.

### **Music Appreciation II**

Grades 9, 10, 11, 12 ½ Fine Art credit

Music Appreciation is offered to students seeking music as a career and students with a limited knowledge of music who wish to have a more intelligent understanding of the instrumental and vocal aspects of music and compositions in the Baroque, Classical, Impressionistic, and 20th Century periods.

### **Concert Choir**

Grades 9, 10, 11, 12 1 Fine Art credit

***Prerequisite:*** Audition

This course is a two-semester class specializing in more advanced singing techniques needed to advance to Chamber Choir. This will be a mixed group of no more than 45 members that will learn to sight sing with at least 60% accuracy. They will be expected to perform music that is rhythmically and aesthetically challenging. Attention will be given to more advanced music theory. This group will be expected to sing at the State Contest. Students must have a passing grade in all subjects the first

semester to be eligible for competition at the District and State Music Festival. Students must have a passing semester grade in all subjects the spring semester of the previous year to participate in District Choir.

**Men's Choir**

Grades 9, 10, 11, 12	1 Fine Art credit
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This course is a two-semester class specializing in the basic singing techniques needed to advance to Concert Choir or Chamber Choir. This group will learn to sight sing with at least 40% accuracy and they will be expected to perform music that is aesthetically challenging. Attention will be given to basic music theory and fundamental singing techniques. Students must have a passing grade in all subjects the first semester to be eligible for competition at the District and State Music Festival. Students must have a passing semester grade in all subjects the spring semester of the previous year to participate in District Choir.

## Women's Choir

Grade 9, 10, 11, 12	1 Fine Art credit
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This course is a two-semester class specializing in the basic singing techniques needed to advance to the more advanced vocal ensembles. This group will learn to sight sing with at least 40% accuracy and they will be expected to perform music that is aesthetically challenging. Attention will be given to basic music theory and fundamental singing techniques. Students must have a passing grade in all subjects the first semester to be eligible for competition at the District and State Music Festival. Students must have a passing semester grade in all subjects the spring semester of the previous year to participate in District Choir.

**Advanced Women's Choir**

Grades 10, 11, 12	1 Fine Art credit
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*Prerequisite: Audition, previous choir experience*

This course is a two-semester class specializing in more advanced and more mature singing techniques. This group will learn to sight sing with at least 60% accuracy and they will be expected to perform more difficult music. Attention will be given to more advanced theory and more advanced singing techniques.

Students must have a passing grade in all subjects the first semester to be eligible for competition at the District and State Music Festival. Students must have a passing semester grade in all subjects the spring semester of the previous year to participate in District Choir.

## Chamber Choir

Grades 10, 11, 12	1 Fine Art credit
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**Prerequisite:** Audition and previous choir experience at the high school level

This course is a two-semester class specializing in advanced singing techniques. This will be a mixed group and will learn to sight sing with at least 70% accuracy and they will be expected to perform music that is rhythmically and aesthetically challenging. Attention will be given to advanced music theory. This group will be expected to audition for the District Choir, sing at State Contest, one competition, and any community request that we can attend.

Students must have a passing grade in all subjects the first semester to be eligible for competition at the District and State Music Festival. Students must have a passing semester grade in all subjects the spring semester of the previous year to participate in District Choir.

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## World Languages

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Advanced Placement Course



Dual Credit Course



Weighted Course



Requires End of Course Assessment



NCAA Approved Class

### French I

Grades 9, 10, 11, 12

1 Foreign Language credit



In the first level of French, primary emphasis is placed on speaking and understanding the French language. Correct pronunciation is stressed. Elementary grammatical concepts are presented through both oral and written exercises and readings. The culture of French-speaking countries is also studied.

### French II

Grades 9, 10, 11, 12

1 Foreign Language credit



**Prerequisite:** *C or above in French I recommended*

The second level of French focuses on total communication with emphasis on grammar, correct pronunciation, and comprehension. The course encourages conversation and creative writing in the target language. The students are given an opportunity to read English translations of well-known French literature and have open discussions on French culture.

### French III

Grades 10, 11, 12

1 Foreign Language credit



**Prerequisite:** *C or above in French II recommended*

French III develops compositional and conversational skills to a more advanced level of fluency than in French II. Students explore various areas of French humanities including original writings in the target language.

### French IV

Grades 11, 12

1 Foreign Language credit



**Prerequisite:** *C or above in French III recommended*

The fourth course in French is designed for the independent student capable of learning in a non-structured environment. Emphasis is on the application of complex grammar in oral and written work, comprehension of original French literature, and the history of France.

### Advanced Placement French Language and Culture

Grades 11, 12

1 Foreign Language credit



**Prerequisite:** *C or above in French IV recommended*

The AP French Language and Culture course emphasizes communication (understanding and being understood by others) by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP French Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in French. The AP French Language and Culture course engages

students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

### **German I**

Grades 9, 10, 11, 12

1 Foreign Language credit



**Prerequisite:** Recommended C or above in Language Arts class

German I is an introductory-level foreign language course. The course is designed to provide students with a basic knowledge of the structure of the language and encourages students to express themselves in oral and written work. Students are made aware of cultural differences between German-speaking countries and the United States and develop a better understanding of these differences. In the first year of German, emphasis is placed on listening, speaking, and understanding the target language in a common situational context. Correct pronunciation is stressed, fundamentals in German grammar are presented and practiced through oral and written exercises and reading. German culture, traditions and customs are studied.

### **German II**

Grades 9, 10, 11, 12

1 Foreign Language credit



**Prerequisite:** C or above in German I recommended

German II is an intermediate-level foreign language course. The second level German encourages students to express themselves in oral and written work using more advanced grammar and more extensive vocabulary than in German I. It increases students' knowledge of culture in German-speaking countries. In the second year of German, continued emphasis is placed on oral use of the target language in class in situational topics and within the context of German culture. Correct pronunciation is stressed, advanced German grammar is presented and practiced through oral and written exercises and readings. Students will increase their knowledge of the language through longer graded readings.

### **German III**

Grades 10, 11, 12

1 Foreign Language credit



**Prerequisite:** C or above in German II recommended

German III is an advanced-level foreign language course that combines and augments the language skills and cultural knowledge learned in German I and German II. Students of German III are exposed to more advanced grammar and a wider spectrum of vocabulary and activities which allow them to become more fluent in oral, aural, literal, and written work. The third year of German incorporates a review of grammar and includes more complicated grammatical patterns. Free-form writing is practiced. Reading materials such as short stories, graded readers, and longer literature pieces are examined and discussed in the target language, and emphasis is placed on the use of the target language throughout the class. An in-depth study of the culture of German-speaking countries takes place.

### **German IV**

Grades 11, 12

1 Foreign Language credit



**Prerequisite:** C or above in German III recommended

German IV is an advanced-level foreign language course that combines and augments the language skills and cultural knowledge learned in German I, II, and III. Students of German IV are exposed to more advanced grammar, a wider spectrum of vocabulary and activities which allow them to become more fluent in oral, aural, literal, and written work. The fourth year of German incorporates a review of grammar and includes more complicated grammatical patterns. Free-form larger volume writing with the use of advanced vocabulary and structures is practiced. Reading materials such as stories and

longer literature pieces are examined and discussed in the target language, and continued emphasis is placed on the use of the target language throughout the class. An in-depth study of German culture continues, including its comparative analysis from a global perspective.

### **Spanish I**

Grades 9, 10, 11, 12

1 Foreign Language credit



In the first level of Spanish, primary emphasis is placed on speaking and understanding the Spanish language. Correct pronunciation is stressed. Elementary grammatical concepts are presented through both oral and written exercises and readings. The cultures of Spanish speaking countries are also studied.

### **Spanish II**

Grades 9, 10, 11, 12

1 Foreign Language credit



***Prerequisite:*** C or above in Spanish I recommended

Spanish II focuses on total communication with emphasis on correct pronunciation and comprehension. Advanced grammar is presented and learned through oral practice and written exercises. The student will increase their knowledge of language through longer readings. A variety of cultural activities are provided to enhance understanding of different traditions and customs.

### **Spanish III**

Grades 10, 11, 12

1 Foreign Language credit



***Prerequisite:*** C or above in Spanish II recommended

Spanish III develops compositional and conversational skills to a more advanced level of fluency than in Spanish II. Students explore various areas of Spanish culture including original writings in the target language and focusing on Latin America.

### **Spanish IV**

Grades 11, 12

1 Foreign Language credit



***Prerequisite:*** C or above in Spanish III recommended

The fourth course in Spanish is designed for the independent student capable of learning in a non-structured environment. Emphasis is on the application of complex grammar in oral and written work, comprehension of original Spanish literature, and the history of Latin America.

### **Advanced Placement Spanish Language and Culture**

Grades 11, 12

1 Foreign Language credit



Prerequisite: C or above in Spanish IV recommended

The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish.

The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books,

music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions). Additionally, this class is available as dual credit through Missouri State University. MSU credit is worth 3 credit hours, and the grade corresponds with the spring semester.

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## Physical Education & Health

*1½ Units Physical Education and ½ Unit Health Required for Graduation*

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### **Fitness and Conditioning**

Grades 9, 10, 11, 12      ½ Physical Education credit

This course is designed to provide students with the knowledge of how to safely use a weight room, to develop the skills to properly perform specific exercises and to assess, implement and monitor a personalized fitness program. Student athletes should be enrolled in fitness and conditioning all year

### **Strength and Conditioning**

Grades 9, 10, 11, 12      ½ Physical Education credit

Strength and Conditioning I consists of using weight lifting equipment, improving flexibility, performing agility exercises and aerobic conditioning. Students will learn the fundamentals of weight lifting, flexibility, and improving body strength. Students will be taught and practice safe lifting techniques. Along with lifting they will learn about safety in spotting and breathing mechanics. The student's evaluation will be determined by effort, fitness performance tests, and ability to perform lifts safely. Dressing out is a requirement for this course.

### **Advanced Strength and Conditioning**

Grades 10, 11, 12      ½ Physical Education credit

**Prerequisite:** Strength and Conditioning and/or Teacher Recommendation

The goal of this course is to teach a variety of skills and techniques of resistance training to enhance strength, speed, power, flexibility, mental fitness and overall conditioning of the student. The course will address health-related fitness components of: Body Composition, Muscular Strength, Muscular Endurance, Flexibility and Cardiovascular Endurance. The course will also address Skill-related Fitness components of: Speed, Power, Agility, Balance, Reaction time and Coordination. Students will be able to identify muscles used during fitness activities and proper nutrition to lead a healthy lifestyle. The course will be organized as if it were a competitive sport here at Waynesville High School. Students will be involved in speed and agility, plyometric, strength training, and circuit training exercises. Dressing out is a requirement for this course.

### **Lifetime Sports**

Grades 9, 10, 11, 12 ½ Physical Education credit

This course provides students with the opportunity to engage in both individual and group sport activities. It will provide students with the basic knowledge and skills needed to engage in a physically active and healthy lifestyle.

### **Stretch and Stress Management**

Grades 9, 10, 11, 12 ½ Physical Education credit

Stretch and Stress Management is designed to introduce students to techniques that can be used everyday to promote wellness. Emphasis is placed on a series of relaxing and effective stretches to help relieve tension, increase flexibility and range of motion. Stress reduction instruction is provided to help students release stress and tension.

### **Walking to Fitness**

Grades 9, 10, 11, 12 ½ Physical Education credit

This course emphasizes the development of an individual's level of walking performance. Practical applications of principles of exercise and the components of an effective cardiovascular workout are used in achieving fitness through a walking program.

### **Health**

Grades 9, 10, 11, 12 ½ Health credit

#### **Required for Graduation**

Students will be involved in classroom experiences pertaining to health problems and practices of young adults. Personal health, body systems, nutrition, mental health, disease prevention and control, and environmental and community health issues are all topics involved in the class. Students will be able to investigate their physical, mental and social well being so as to allow the student to live a more active and productive life now and in the future. Missouri required CPR instruction is included in the curriculum.

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## Practical Arts

### 1 Unit Required for Graduation

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Advanced Placement Course



Dual Credit Course



Weighted Course



Requires End of Course Assessment



NCAA Approved Class

#### **Driver Education**

Grades 9, 10, 11, 12 ½ Practical Art credit

**Prerequisite:** *Students must be at least 15 years old to enroll in this course*

Driver Education is recommended for all students. Classes meet each day for one semester. The student receives 60 hours of classroom instruction, 15 hours of driving on link simulators, 12 hours in-car observation and three hours of actual behind-the-wheel driving, in a dual-control car, on various types of highways. The ultimate aim of this driver education course is to develop a competent responsible driver, who will aid safety on the highway, rather than adding to the needless deaths, suffering, and economic losses that are often connected to modern automobile traffic.

#### **Personal Finance**

Grades 10, 11, 12 ½ Practical Art credit

##### **Required for Graduation**

This one-semester course is designed to help students develop essential, lifelong personal finance skills. Students will master competencies related to components of income, money management skills, spending and credit, and savings and investment.

#### **Honors Computer Science**

Grades 9, 10, 11, 12 ½ Practical Art credit



The introduction to computer science curriculum teaches the foundations of computer science and basic programming, with an emphasis on helping students develop logical thinking and problem solving skills. Once students complete the Introduction to Computer Science course, they will have learned material equivalent to a semester college introductory course in Computer Science and be able to program in JavaScript.

#### **AP Computer Science A**

Grades 10, 11, 12 1 Practical Art credit



**Prerequisite:** *Algebra II*

AP Computer Science A course is an introductory course in computer science. Because the design and implementation of computer programs to solve problems involve skills that are fundamental to the study of computer science, a large part of the course is built around the development of computer programs that correctly solve a given problem. These programs should be understandable, adaptable, and, when appropriate, reusable.

At the same time, the design and implementation of computer programs is used as a context for introducing other important aspects of computer science, including the development and analysis of algorithms, the development and use of fundamental data structures, the study of standard algorithms and typical applications, and the use of logic and formal methods.

In addition, the responsible use of these systems is an integral part of the course. Students will be prepared for and expected to take the AP Computer Science A examination.

**AP Computer Science Principles**

Grades 9-12

1 Practical Art Credit

***Prerequisite:*** *Algebra I recommended*

AP Computer Science Principles is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

**Project Lead the Way - Engineering Essentials (EE)**

Grades 9,10,11,12

1 Practical Art Credit

***Prerequisite:*** *Algebra 1*

Engineering Essentials is a full-year course designed to be a high school student's first exposure to the PLTW Engineering program. In Engineering Essentials, students explore the work of engineers and their role in the design and development of solutions to real-world problems. The course introduces students to engineering concepts that are applicable across multiple engineering disciplines and it empowers them to build technical skills through the use of a variety of engineering tools, such as geographic information systems (GIS), 3-D solid modeling software, and prototyping equipment. Students learn and apply the engineering design process to develop mechanical, electronic, process, and logistical solutions to relevant problems across a variety of industry sectors, including health care, public service, and product development and manufacturing.

**Project Lead the Way - Introduction to Engineering Design (IED)**

Grades 9, 10, 11, 12

1 Practical Art credit

The major focus of IED is the design process and its application. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community.

**Project Lead the Way - Principles Of Engineering (POE)**

Grades 9, 10, 11, 12

1 Practical Art credit

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

**Project Lead the Way - Aerospace Engineering (AE)**

Grades 11, 12

1 Practical Art credit

***Prerequisite:*** *PLTW - Introduction to Engineering Design and PLTW - Principles of Engineering*

This course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry standard software. They also explore robot systems through projects such as remotely operated vehicles.

### **Project Lead the Way – Civil Engineering and Architecture (CEA)**

Grades 11, 12

1 Practical Art credit

**Prerequisite:** PLTW - *Introduction to Engineering Design* and PLTW - *Principles of Engineering - C* or better in *Algebra 1*

Civil Engineering and Architecture is the study of the design and construction of residential and commercial building projects. The course includes an introduction to many of the varied factors involved in building design and construction including building components and systems, structural design, stormwater management, site design, utilities and services, cost estimation, energy efficiency, and careers in the design and construction industry.

### **Geospatial Technician- Gateway Global “Entry to Executive”**

**Grades:** 11, 12

1 Practical Art Credit

The Gateway Global Entry to Executive program provides training and internships to prepare students for careers in the field of Geospatial Technology. The “E” to “E” program guides future workers through the planning process for career and education pathways during apprenticeships and employment. The program educates and trains individuals ages 16-24 via STEM based apprenticeships and credentialing and helps them to plan for social mobility throughout their careers. The “E to E” program is designed to combine apprenticeship training with career planning and provide enrichment centered assistance along the way.

### **Sports Medicine 1**

½ Practical Art Credit

Grades: 10,11,12

Sports Medicine 1 at Waynesville High School would be a semester-long elective to provide students with the opportunity for the study and application of the components of Sports Medicine, including but not limited to: sports medicine staff and personnel involved, organizational and administrative considerations, legal responsibilities, prevention of athletic injuries, environmental concerns, sports nutrition, concussions, management of injuries, basic taping techniques, and facility design and budgeting. Sports Medicine is a growing profession with many specialties. We will explore the different aspects of the sports medicine team and expose students to the career opportunities within the field of Sports Medicine and Athletic Training. We will introduce medical terminology, anatomy and evaluations of sports related injuries. There will be several surgeries that we view and labs to practice evaluations and taping procedures. Observation/shadowing hours are required and designed to give students real-life experiences in sports medicine professions.

### **Sports Medicine 2**

Grades 11, 12

1 Practical Art Credit

**Prerequisite:** Sports Medicine1 and instructor recommendation

A year long course, provides students with a basic overview of musculoskeletal injury recognition and evaluation from head to toe. It is designed to introduce students to basic evaluation procedures and special tests for different joints and types of injury. It will also provide students with an in-depth view of the world of sports medicine from the perspective of the Certified Athletic Trainer in terms of interacting with the healthcare community in various areas such as emergency situations, physiology and biomechanics of injury as well as injury prevention, treatment, rehabilitation, and taping. Students would be provided the opportunity to become BLS certified in first aid/CPR. Students would also participate in shadowing hours and will be assigned to a team with the instructor and/or athletic trainer for an internship type approach. This class provides students the opportunity to dive deeper into the Sports Medicine Realm with more advanced course information and hands-on training. Successful completion of this course is highly recommended for anyone interested in athletic training, physical therapy, personal training, or the medical field.

## Family and Consumer Science (FACS)

## Introduction to Family and Consumer Science (FACS)

Grade 9, 10, 11, 12 ½ Practical Art credit

This course is for the student who did not have the opportunity to take Family and Consumer Sciences at the middle or junior high level. This course is designed to give the student general knowledge in all disciplines of the Family and Consumer Sciences curriculum. You will study information that will help prepare you for family life by emphasizing the development of attitudes and values, instructing you in employability skills along with consumer education, food and nutrition, family living and parenthood education, child growth and development, housing and home management and clothing and textiles.

## Parenting

Grade 10, 11, 12 1/2 Practical Art credit

This course focuses on the effects of parenting roles and responsibilities on strengthening the well-being of individuals and families. Students analyze the roles and responsibilities of parenting; evaluate parenting practices that maximize human growth and development; evaluate external support systems and community resources that provide services for parents; and analyze physical and emotional factors related to beginning the parenting process. Careers related to parenting are investigated. Instruction emphasizes leadership, problem-solving, and communication skills in parenting techniques.

## FACS Entrepreneurship

Grade 10, 11, 12	1 Practical Art credit
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This course introduces individuals to career opportunities and or career pathways in family consumer sciences and human services-related occupations/careers. It explores the development, marketing, and management functions associated with owning and operating a family consumer sciences and human services-related business. Instruction emphasizes career development and preparation components; balancing family life and entrepreneurial ventures; hands-on activities in entrepreneurial concepts; and use of technology.

## Child Development Care and Guidance I

Grades 11, 12 ½ Practical Arts credit

**Prerequisite:** Parenting recommended. Can take Parenting and Child Development Care and Guidance concurrently with Principal approval.

Child Development Care and Guidance I is a course designed to introduce the student to the child through the study of genetics, responsibilities of parenting, becoming a parent and the development of the newborn child through their physical, mental, and social growth. Discipline techniques and identifying child abuse will be addressed in this course.

## Child Development Care and Guidance II

Grades 11, 12 ½ Practical Arts credit

**Prerequisite:** Child Development Care and Guidance I

Child Development Care and Guidance II is the second semester of Child Development Care and Guidance I. This course emphasizes the characteristics of play, the developmental growth of three and four year old children, information on childcare facilities, and careers that involve children. The last ten (10) weeks of the course will be dedicated to a laboratory experience working directly with three and four year old children in the Waynesville High School Tiger Preschool Lab.

## **Nutrition and Wellness I**

Grades 9, 10, 11, 12

½ Practical Arts credit

In Nutrition and Wellness, the student will study the nutritional value of foods as well as develop an understanding of the significance of food. The students will have hands-on practice in reading food labels and relating that information to particular nutritional needs and use mathematical skills to interpret food labeling. Students will learn various tools and equipment used in food preparation, the techniques of meal planning, preparation and service, and the importance of safety and sanitation. Careers in food service will be discussed. There will be lab opportunities throughout the semester. The labs will consist of practice in microwave cooking, quick breads, yeast breads, beef cookery, poultry cookery, deep fat frying, and pies.

## **Nutrition and Wellness II**

Grades 9, 10, 11, 12

½ Practical Arts credit

***Prerequisite:*** *Nutrition and Wellness I*

Nutrition and Wellness II is a continuation of Nutrition and Wellness 1. The course will go more in depth with the more difficult techniques of cooking. The student will research nutritional value of foods and find ways to prepare foods considering special dietary needs. Students will learn about more tools and equipment used in food preparation; the techniques of meal planning keeping a budget in mind, preparation and service, the importance of safety and sanitation. Careers in food service will be researched and practiced. There will be lab opportunities throughout the semester. The labs will consist of practice in the more difficult areas like yeast breads, beef cookery, poultry cookery, pies, cookies, grains, dairy, vegetables, eggs and cakes. This class will look more at the cost of food and how to prepare healthy meals.

## **FACS- Early Childhood & Education Course Pathway**

### **Options:**

1. FACS 8 + FACS Entrepreneurship + Parenting → Child Dev. 1& 2 (11th or 12th).
2. Intro to FACS → FACS Entrepreneurship → Parenting → Child Dev. 1 & 2 (11th or 12th).

## **FACS- Culinary Arts Pathway**

1. FACS 8 or Intro to FACS+ Nutrition & Wellness 1 & Nutrition & Wellness 2 → WCC Culinary Arts (11th & 12th).

## Career Embedded Courses and Student Internships

## Career-Embedded Promotions and Advertising

Grade 11, 12

1 Practical Arts credit

**Prerequisite:** Application submitted and instructor approval

Upon successful completion of this course, the student should be able to explain the basic principles of the American free enterprise economic system while demonstrating the professional skills necessary to succeed in today's business environment. Additionally, in this course, students will work with local professional partners to solve authentic professional problems using the language, concepts, equipment, and technical tools used in business, marketing and design. Emphasis will be placed on development of associate's professionalism and how it applies to the needs of today's business models. The five main focuses of this professional-based learning approach are: Communication & Collaboration; Time (Choice) & Project Management; Creativity & Innovation; Critical Thinking & Problem Solving; Integrity & Trust. Students in this course will be responsible for applying research, analytical and communication skills to complete projects submitted by business and community partners.

### Career-Embedded Medicine and Healthcare Internship (WayMed)

Grade 12

3 Practical Arts credits

**Prerequisite:** Application submitted, interview and instructor approval

Students enrolled in this course will be provided authentic experiences in the fields of medicine and healthcare. Students will be exposed to experienced medical professionals representing a spectrum of healthcare careers while demonstrating the professional skills necessary to succeed in today's work environment. Instruction will be provided on human physiology, medical terminology, patient care, ethics and training. Certification in CPR and AED will be offered. Medical Terminology is integrated into the class and can be taken through Drury online for dual credit.

# Intro to Education Professions

Grades 10-12

1 Practical Art credit

This course will introduce students to the teaching profession. Students will explore educational history, instructional practices, various contexts of teaching and contemporary issues related to education. Students will be encouraged to think more deeply, more broadly and more systematically about what teaching is, what teachers do, and whether teaching is an appropriate career choice for them. This course could be taken with the OTC College Now program in Education.

## Waynesville Tech Intern

Grade 10, 11, 12

1 Practical Art credit-Can be repeated

**Prerequisite:** Application submitted

Waynesville Tech Interns engage in a hands-on study of technology integration, problem solving and Chromebook repair. Students will be required to assess problems and define the best approach to addressing or solving the problem.

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## Electives

*7.5 Units Required for Graduation*

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Advanced Placement Course



Dual Credit Course



Weighted Course



Requires End of Course Assessment



NCAA Approved Class

### **AVID- Advancement Via Individual Determination**

Grade: 9, 10, 11

1 Elective Credit

Advancement Via Individual Determination (AVID) is an academic elective course that prepares students for college readiness and success, and it is scheduled during the regular school day as a year-long course. Each week students receive instruction utilizing a rigorous college preparatory curriculum provided by AVID Center, tutor-facilitated study groups, motivational activities and academic success skills. In AVID students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization and reading to support their academic growth.

### **LEAP 9**

Grade 9

½ Health credit (1st Sem.) & ½ Elective credit (2nd Sem.)

***Prerequisite:*** Formal placement in the LEAP program

LEAP 9 provides the opportunity to complete the 0.5 credit in Health required for graduation during the fall semester. In the spring semester, students participate in varied units of study designed to support the needs and interests of gifted learners to earn 0.5 elective credits.

### **LEAP 10**

Grade 10

½ Personal Finance Practical Art credit (1st Sem) & ½ Elective credit (2nd Sem)

***Prerequisite:*** Formal placement in the LEAP program

LEAP 10 provides the opportunity to complete the 0.5 credit in Personal Finance required for graduation during the fall semester. In the spring semester, students participate in varied units of study designed to support the needs and interests of gifted learners to earn 0.5 elective credits.

### **Life Skills**

Grades 9, 10, 11, 12

½ Elective credit

Prerequisite: Counselor Recommendation

Created with the purpose of facilitating freshmen success academically and socially, this class is designed to provide three services: study skills instruction; social (individual and group) adjustment to high school; and a supervised, interactive study period. Students enrolling in Life Skills will work closely with the assigned classroom teacher to develop effective study habits and strategies that are reinforced daily as teachers supervise and actively monitor students' independent practice (homework). Mentors will provide assistance with the social transition to high school, partnering with students in providing insight, assistance, and encouragement to these students.

### **A+ Tutoring**

Grades 12

½ Elective credit

***Prerequisite:*** *Eligible for A+ Program, completed and signed participation agreement*

A+ Tutoring gives students the opportunity to explore the Human Services career path as they assist and encourage younger students under the supervision of a classroom teacher. They will have the opportunity to observe and to develop knowledge, skills, attitudes and behaviors necessary to be successful in such a career. This course may satisfy the mentoring/tutoring hours necessary for the A+ program.

### **ACT Preparatory Studies**

Grades 10, 11, 12

½ Elective credit

The course is designed to prepare college-bound students for the ACT test, a national test used to determine college admission and scholarship awards. In order to better prepare students for this high-stakes test, students will be evaluated on their performance of skills in the subject areas to improve scores on the ACT.

### **Student Leadership FMP**

Grades 11, 12

1 Elective credit



Student Leadership is an elective course for junior and senior members of the Freshman Mentor Council. The areas of concentration are communication skills, leadership, time management, goal setting, character education and creative thinking. Successful completion of this course may result in the student receiving three hours of college credit from Drury University.

### **Student Leadership SGA**

Grades 11, 12

1 Elective credit

Student Leadership is an elective course for junior and senior student government members. The areas of concentration are communication skills, leadership, time management, goal setting, character education and creative thinking.

### **Supplemental Reading**

Grades 9, 10

1 or ½ Elective credit

***Prerequisite:*** *Student placement is determined by SRI score and/or Individual Reading Plan placement*

Supplemental reading incorporates instructional practices that assist students with improving their reading skills. Focus is placed on content reading for other courses as well as recreational reading. Students may be dismissed from this class by scoring proficient or above on the SRI test.

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## Special Services

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### **Adaptive Physical Education**

Grades 9, 10, 11, 12                      1 or ½ Physical Education credit

***Prerequisite:*** *Special Services placement*

The Adaptive Physical Education curriculum is predicated upon an inclusive, all encompassing model of health; the subcomponents of this model include physical fitness, nutrition, and psychological and emotional well-being.

### **English Language Arts**

Grades 9, 10, 11, 12                      1 ELA credit

***Prerequisite:*** *Special Services placement*

This course is designed for special service students who require a modified and individualized approach to the communication art curriculum. The areas of instruction will be determined by the student's ability level and individual needs. Areas emphasized include vocabulary development, reading recognition, reading comprehension, and oral and written language.

### **Community Based Instruction (CBI)**

Grades 9, 10, 11, 12                      1 Elective credit

***Prerequisite:*** *Special Services placement*

This course works in conjunction with all special services programs. The course is intended to allow students involved in special services programs to receive academic credit while actively participating in work experience. The program will encourage students to gain vocational experience while offering each participant direction in the development of realistic vocational goals that will result in successful integration into the working community upon graduation.

### **Math**

Grades 9, 10, 11, 12                      1 Math credit

***Prerequisite:*** *Special Services placement*

This course is designed for special service students who require a modified and individualized approach to the math curriculum. The area of instruction will be determined by the student's ability level and individual needs. Areas of emphasis may range from functional math skills to advanced mathematical reasoning.

### **Science**

Grades 9, 10, 11, 12                      1 Science credit

***Prerequisite:*** *Special Services placement*

This course is designed for special service students who require a modified and individualized approach to science. The areas of instruction will be determined by the student's ability level and individual needs. Basic science concepts and vocabulary will be presented through written and oral presentation emphasizing skill development in reading recognition, reading comprehension, oral and written expression, and listening comprehension.

## **Social Studies**

Grades 9, 10, 11, 12

1 Social Studies credit

***Prerequisite:*** *Special Services placement*

This course is designed for special service students who require a modified and individualized approach to the social studies curriculum. The areas of instruction will be determined by the student's ability level and individual needs. Social studies knowledge will be acquired through emphasis in the following areas: reading recognition, reading comprehension, oral and written expression, and listening comprehension, and vocabulary development (subject related).

## **Transitions 1**

Grade 9

1 Elective credit

***Prerequisite:*** *Special Services placement*

This course is designed to teach students with disabilities in 9th grade to adjust to a high school environment and to become independent learners as well as teach students skills needed to succeed in the general education setting. Areas of emphasis include: transition to high school, study skills and personal skills.

## **Transitions 2**

Grades 10, 11

1 Elective credit

***Prerequisite:*** *Special Services placement*

This course is designed to teach students with disabilities in 10th or 11th grade to self-advocate and to become independent learners as well as teach students skills needed to succeed in the post-secondary setting. Areas of emphasis include: study skills and personal skills, such as setting long and short term goals, self-advocacy and self-determination.

## **Transitions 3**

Grade 12

½ Personal Finance credit, ½ Elective credit

***Prerequisite:*** *Special Services placement*

This course is designed to teach students with disabilities in 12th grade to self-advocate and to become independent learners as well as teach students skills needed to succeed in the post-secondary setting. Areas of emphasis include: transition to postsecondary, study skills and personal skills, such as setting long and short term goals, self-advocacy and self-determination. Students complete and participate in career interest inventories, job shadowing experiences and instruction focuses on professional skills.

The personal finance part of this course is designed to help students develop essential, lifelong personal finance skills. Students will master competencies related to components of income, money management skills, spending and credit, and savings and investment. Students will also assist with operations of Tiger Joe.

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## OTC College Now Courses

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Students interested in pursuing a certificate and/or an Associate's Degree in the area of Criminal Justice or Education may be interested in the OTC College Now program. College Now is a cooperative program between WHS and OTC where students take district funded classes on the Waynesville OTC campus and earn both college and high school credit.

In order to participate in College Now, students must have a 3.0 GPA and be able to complete the required credits for high school graduation as well as those of the OTC program. OTC College Now courses will be updated annually by OTC. Current school year courses can be found on the WHS website at <https://www.waynesville.k12.mo.us/Page/6996>. **Note:** It is **strongly suggested** that students take Intro to Career-Embedded Educational Professions *before* the OTC Education Course sequence.

**Location:** Students attend class at OTC Waynesville Campus

**Length of Time:** Two class periods each semester

**Credits:** Students earn 1-1.5 HS credits and 6-9 college credits per semester

**Grade Level:** 11 & 12

### Education Course Sequence (\*Subject to Change)

#### Fall

1. \*Psychology 101 (3 College Credits, .5 HS elective credit)
2. \*EDU 150- Intro to Teacher Education (1 College Credit)
3. \*Art 100 Art Appreciation

#### Spring

1. \*Com 105 (3 College Credits, .5 HS elective credit)
2. \*EDU 290- Classroom Internship  
(1 College Credit, .5 HS practical art/elective credit)

### Tentative Criminal Justice Course Sequence (\*Subject to change)

1. \*Crm 210 Introduction to Criminal Justice ( 3 College Credits, .5 HS)
2. \*Psy 101 Introduction to Psychology (3 College Credits, .5 HS)
3. \*Crm 260 Criminal Law and the Courts (3 College Credits, .5 HS)

### **Tiger Teacher Academy**

For students interested in pursuing a career in education, Waynesville School District has the Tiger Teacher Academy that can help WHS students become future WHS teachers. Qualified students can take college courses, earn scholarships, and be hired as a future teacher in the Waynesville School District.

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## Fort Leonard Wood Internships

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FLW and the Waynesville School District have partnered together to provide students an internship experience in the following areas. Students enroll in WCC FLW Internship for three hours and work alongside a professional at FLW to gain hands-on experience in a field of study.

### **Fort Leonard Wood Internships**

Grade 12

3 Elective credits

*Prerequisite: None*

**Garrison Intern (Organizational Management)** – Students will work under the supervision of the Director in the Fort Leonard Wood Garrison, Plans, Analysis, and Integration Office (PAIO). The PAIO is the business planning and analysis organization for the Garrison and is responsible for compiling and analyzing the Garrison output and results. The student will learn current business and governmental management methods, control systems, customer satisfaction monitor techniques, and government office workflow processes. This is an opportunity for people interested in how a large government/city organization uses business information to improve its performance.

**Marketing & Advertising Intern** – Students will work under the supervision of the MWR Chief of Marketing & Advertising. They will assist in the development and the maintenance of the MWR website, e-marketing campaigns (e-newsletters, social media, www marketing, etc.), and data collection and reporting (participant surveys, database management, etc.). Participates and contributes graphic design, programming, and support to multi-media marketing efforts including, but not limited to, TV channel, digital signs and video marketing initiatives.

**Fitness and Sports Intern** – Students will work under the general supervision of the Athletic Director, supervisor, Intramural Director or Sports Specialist as a Sports Assistant, assisting with the fitness and sports programs. Students will assist in the planning/establishing of objectives and goals for the fitness facility, instruct customers in the proper use of fitness equipment and programs within the area of responsibility and set up recreational areas for sporting events, serving as an official as required. Helps plan, conduct, publicize, and arrange support for a variety of sponsored special events, social activities, tournaments and related sports functions.

**Building Maintenance Intern** – Performs minor and major repair of all buildings and equipment. Performs preventive maintenance procedures on building mechanical equipment on a scheduled basis. Replaces broken windows; repairs doors, door locks and closets; installs window blinds. Completes daily, weekly and monthly checklists on building equipment maintenance procedures and maintains records of scheduled maintenance procedures. Responds to emergency maintenance requests as required.

**Airfield Operations Intern** – Student will assist with such tasks as managing aircraft movements, issuing Notice to Airmen (NOTAMs), processing flight plans, conduct runway/taxiway checks, Airfield Tower Operations, Airfield electronics testing and maintaining, as well as working with

rotary-wing and fixed-wing aircraft, both military and civilian. Students will also have the opportunity to work with forecasters and conduct weather experiments and provide essential weather data for aircraft and military operations.

**Aquatics Intern** – Students will work under the general supervisor of the Aquatics Manager, learning about the support provided to Mission units as well as coordination involved with recreational swimming and the RecPlex. Students have the potential to earn lifeguard, CPR and first aid certifications.

**Golf Intern**– Students will work under the general supervisor of the Golf Course Manager, assisting with daily golf rounds and tournaments. Will also have the opportunity to learn about golf course/greens maintenance.

**Library Operations Intern** – Students will learn and assist with library operations, customer service, assist with STEM sessions, and help prepare and deliver programs at the Bruce C. Clarke Library for the military community to help enhance military readiness and quality of life.

**Outdoor Adventure Center Intern** – Students will learn and assist with retail sales, hunting safety training, issuing of permits at the Outdoor Adventure Center (OAC). This includes the pro shop that offers a wide variety of hunting, fishing and outdoor equipment available for purchase, the Horse Stable facilities, as well as programs including archery, paintball and recreational rental equipment.

**Network Enterprise System Division Intern** - Students will receive, issue, in process, and out process computer equipment from customers for repair, assist with the setup and loading of operating systems on computers. Additional work with data collection and database entry, inventory, destruction, and documenting of obsolete computer media. Student will review work orders for completeness of problem description, contact customers telephonically to obtain pertinent information for work orders and summarize findings of incomplete work orders.

**Museum Intern** - Student will conduct general research in support of requests for information or in support of exhibits and general clerical support. Provide assistance with the inventories of artifacts and historic archives and help evaluate and process archival materials for inclusion in the Museum's collection. The student will observe museum educational programming and assist with using artifacts and archival materials in support of programming. The intern will provide assistance with preparation of exhibits and exhibit maintenance.



# Waynesville Career Center

## Course Offerings

All WCC classes are classified as Elective courses and can be used to satisfy Practical Arts requirements.

The fourth required Language Arts and Math unit may be earned while attending two years at WCC in programs earning 3 units of credit each year. **The following programs do not qualify – Health Science and Cosmetology.**

Career Path	WCC Program	Who Can Enroll	Units per year	Years to Complete
Arts & Communication	Commercial Printing I & II	11, 12	3	2
	Advertising Design I & II	10, 11, 12	3	2
	Video Production I & II	11, 12	3	1
Business	Accounting I & II	10, 11, 12	1	2
	Business Law	11, 12	1	1
	Computer Applications	9, 10, 11, 12	1	1
	Introduction to Graphic Arts	10, 11, 12	1/2	1
	Multimedia	10, 11, 12	1/2	1
	Personal Finance	10, 11, 12	1/2	1
	Web Design	10, 11, 12	1/2	1
Computers & Technology	Computer Information Technology - C# Prog	10, 11, 12	1	1
	Video Game Development	11, 12	1	1
	Computer Hardware/Networking	11, 12	3	1
	Waynesville Tech Intern	10, 11, 12	1	1
Health Services	Health Science	12	3	1

Career Path	WCC Program	Who Can Enroll	Units per year	Years to Complete
Industrial & Engineering Technology	Auto Collision Technology I & II	11, 12	3	2
	Automotive Service Technology I & II	11, 12	3	2
	Light Duty Diesel I & II	11, 12	3	2
	Construction Technology I & II	11, 12	3	2
	Heating, Ventilation, & Air Conditioning I & II	11, 12	3	2

	General Heating, Ventilation & AC	10, 11, 12	2	1
	Masonry I & II	11, 12	3	2
	General Masonry	10, 11, 12	2	1
	Welding & Manufacturing I & II	11, 12	3	2
<b>JROTC</b>	LET I	9, 10, 11, 12	1	1
	LET II	10, 11, 12	1	1
	LET III	11, 12	1	1
	LET IV	12	1	1
<b>Marketing</b>	Marketing I	11, 12	1	1
	Marketing II	12	1	1
	Entrepreneurship	12	1	1
	Business Management	12	1	1
	Cooperative Education (COOP)	12	1 or 2	1
<b>Natural Resources &amp; Agriculture</b>	Agriculture Science I	9, 10, 11, 12	1	1
	Conservation	10, 11, 12	1	1
	Floral Design	10, 11, 12	1/2	1
	Greenhouse & Landscaping	10, 11, 12	1/2	1
	Agriculture Construction	11, 12	1	1
	Animal Care/Veterinary Science	11, 12	1	1
<b>All Career Paths</b>	Career Exploration	9, 10	1/2	1

# Waynesville Career Center - Course Descriptions

*All Classes at WCC, except English IV & Math IV, will count as a Practical Arts credit.*

## Career Exploration

Grades 9, 10

½ Practical Arts credit

Students will have the opportunity to visit 18 different career and technical education programs and spend a few weeks in multiple programs to determine career interests. Students who take career and technical education courses benefit from the power of linking their academic studies to their career interests outside of school. Students will be able to apply what they are learning in real world situations. Other topics will include personal integrity, work ethic, professionalism, responsibility, flexibility, self-motivation; workplace communication, decision making, teamwork, multicultural sensitivity & awareness, planning, organizing, management, and leadership.

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## Agriculture

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### Agriculture Science I

Grades 9, 10, 11,

1 Practical Arts credit

Agriculture Science 1 is recommended for freshman and sophomore students interested in the agriculture industry. This is a course designed for first-year instruction in animal science, career exploration, leadership, and personal development, as well as supervised agricultural experiences (SAE). Units include the history of the National FFA Organization, leadership, careers, animal science, greenhouse, and welding. As part of this class, students will have the opportunity to participate in FFA activities in and out of school throughout the year

### Animal Care/Veterinary Science

Grades 11, 12

1 Practical Arts credit

**Prerequisite:** *Agricultural Science I*

Students in Animal Care/Vet Science can expect to learn practical skills used in the livestock industry. This class is very beneficial for any student who is interested in a career in the livestock industry. Students will research animal husbandry practices and learn how to treat and prevent diseases. Students will also work with the instructor to create an out-of-school project involving animals, plants, or agricultural business. As part of this class, students will have the opportunity to participate in FFA activities in and out of school throughout the year.

### Conservation

Grades 10, 11, 12

1 Practical Arts credit

**Prerequisite:** *Agriculture Science I*

If you like the outdoors, wildlife, hunting, or fishing, this course is for you. Throughout the year, the topics covered include fisheries biology, habitat management, ecology, forestry, and many other topics. Students will also work with the instructor to create an out-of-school project involving animals, plants, or agricultural business. As part of this class, students will have the opportunity to participate in FFA activities in and out of school throughout the year.

### Floral Design

Grades 10, 11, 12

½ Practical Arts credit

**Prerequisite:** *Agriculture Science I*

Floral Design is an advanced course that prepares students for careers in both plant science and business industries. This course has an emphasis in design mechanics, flower processing, and floral care and handling. Throughout the course students will learn how to construct an array of arrangements utilizing principles and elements of design. Additionally students will be required to price out and budget their arrangements.

### Greenhouse & Landscaping

Grades 10, 11, 12

1/2 Practical Arts credit

**Prerequisite:** *Agriculture Science I*

Students enrolled in this course will learn how to grow plants in a greenhouse. Students will grow a variety of plants and organize a plant sale in the spring. Subjects such as plant science and greenhouse procedures will be taught. Students will also work with the instructor to create an out-of-school project involving animals, plants, or agricultural business. As part of this class, students will have the opportunity to participate in FFA activities in and out of school throughout the year.

### Agricultural Construction

Grades 11, 12

1 Practical Arts credit

**Prerequisite:** *Agricultural Science I*

This course utilizes welding in the development and construction of major metal and wood projects. Advanced skills in welding, woodworking and project construction provide students with entry-level agricultural construction skills. Students will work with their hands, in a shop setting, on a daily basis. Students will also work with the instructor to create an out-of-school project involving animals, plants, or agricultural business. As part of this class, students will have the opportunity to participate in FFA activities in and out of school throughout the year.

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# Business

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## Accounting I

Grades 10, 11, 12 1 Practical Arts credit

Students will build a basic understanding of manual and automated accounting principles, concepts, and procedures. Activities include using the accounting equation, completing the accounting cycle, entering transactions to journals, posting to ledgers, preparing end-of-period statements and reports, managing payroll systems, completing banking activities, calculating taxes, and performing other related tasks.

## Accounting II

Grades 11, 12 1 Practical Arts credit

**Prerequisite:** *Accounting I*

A more thorough, in-depth knowledge of accounting procedures and techniques utilized in solving business problems and making financial decisions. Students will develop skills in analyzing and interpreting information common to partnerships and corporations, preparing formal statements and supporting schedules, and using inventory and budgetary control systems. Computer applications should be integrated in each appropriate instructional unit.

## Business Law

Grades 11, 12 1 Practical Arts credit

Students will gain an understanding of basic legal principles relevant to their roles as citizens, consumers, and employees through a mixture of personal, business, and consumer law. The content includes the basic characteristics of basic elements of contracts, employer/employee relations, individual rights, wills and estates, family and juvenile justice law.

## Computer Applications

Grades 9, 10, 11, 12 1 Practical Arts credit



Students will master skills in the areas of word processing, database management, spreadsheet applications, presentations, internet usage, and security issues.

## Introduction to Graphic Arts (Desktop Publishing)

Grades 10, 11, 12 ½ Practical Arts credit

**Prerequisite:** *Computer Applications*

Students develop proficiency in using graphic arts/desktop publishing software to create a variety of business publications such as t-shirt design, text usage, photo manipulation and placement, flyers, brochures, newsletters, and how to prepare images to be used on the web.

## Multimedia

Grades 10, 11, 12

½ Practical Arts credit

***Prerequisite:*** *Computer Applications*

Students will work with multimedia software to develop electronic presentations from a variety of presentation software. They will learn how to manipulate text, art and graphics, photography, animation, audio, and video for presentations in various media formats.

## Personal Finance

Grades 10, 11, 12

½ Practical Arts credit

Students will gain an understanding of financial management skills relating to personal finance in preparation for future financial success. This required course is based on the Missouri Personal Finance Competencies and presents essential knowledge and skills to make informed decisions about real world financial issues.

## Web Design

Grades 10, 11, 12

½ Practical Arts credit

***Prerequisite:*** *Computer Applications*

Students will develop a basic understanding of the HTML Web programming language and other Web building programs such as Adobe Muse to design, edit, launch, and maintain websites and pages.

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# JROTC

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## **Junior Reserve Officer Training Corps (JROTC) (Open to Grades 9-12)**

The JROTC Mission is "To Motivate Young People to be Better Citizens!"

The JROTC Vision is "Providing a quality citizenship, character, and leadership development program, while fostering partnerships with communities and educational institutions."

### **PROGRAM SUMMARY**

The Army Junior Reserve Officer Training Corps (JROTC) is a program offered to high schools that teaches students (Cadets) character education, student achievement, wellness, leadership, and diversity. Collectively, these lessons motivate students (Cadets) to be better citizens. In addition to promoting citizenship, JROTC also prepares students (Cadets) for college.

1. The outcomes of the JROTC program are:
  - Act with integrity and personal accountability as they lead others to succeed in a diverse and global workforce.
  - Engage civic and social concerns in the community, government, and society.
  - Graduates prepared to excel in post-secondary options and career pathways.
  - Make decisions that promote positive social, emotional, and physical health.
  - Value the role of the military and other service organizations.
2. JROTC is a HS elective. Students can take JROTC for all 4 years. Cadets receive .05 elective credit per semester (4 credits over 4 years). Cadets receive 0.5 credit for PE (Physical Education) upon successful completion of the LET-2 year and the approval of their instructor. Cadets also meet their Missouri DESE Personal Finance requirement during their LET-3 year, subject to successfully passing the MO DESE Personal Finance Exam.

### **Leadership Education Training (L.E.T.) - I (Open enrollment)**

Grades 9, 10, 11, 12

1 Elective credit

The program of instruction consists of a maximum of 130 core hours with 50 optional hours per school year. The program of instruction will include the following topics: Introduction to JROTC, Citizenship in Action, Leadership Theory and Application, Foundations for Success, Communications Skills, Conflict Resolution, Multiple Intelligences, Career Planning, Health and Wellness, Uniform Appearance, Mandatory Core Service Learning, Physical Fitness, Microsoft Office Basics, Reading for Meaning, Brain Structure and Function, Personal growth Plan, Drill and Ceremonies, Study skills and Study Habits, Google Drive Applications, Learning Styles and Processing Preferences, Thinking Maps, Financial Goal Setting, Appreciate Diversity, Project Based Learning, Sexual Harassment/ Assault, Use of Educational Applications on Electronic Devices, Leadership Skills, Principles of Leadership, and Becoming an Active Listener.

### Leadership Education Training (L.E.T.) - II

Grades 10, 11, 12 1 Elective credit

*Gives ½ Physical Education credit with instructor approval*

**Prerequisite:** *Successful completion of L.E.T. I*

This second-level class is intermediate leadership development. The student works in intermediate leadership, first aid, map reading, techniques of oral communications, marksmanship and safety, drill and ceremonies, the U.S. Army, people, places and times, services/ROTC opportunities, the role of the Army, and selected optional subjects. Requires instructor permission for enrollment. Students earn .5 credits for PE this year via an embedded credit.

### Leadership Education Training (L.E.T.) - III

Grades 11, 12 1 Elective credit

*Meets the MO DESE Personal Finance requirement*

**Prerequisite:** *Successful completion of L.E.T. II*

This class is designed for juniors. This third-level class is applied leadership development. The student learns leadership, history, map reading/navigation, techniques of oral communications, and safety, service/ROTC opportunities, the role of the Army, and selected optional subjects. In addition, Juniors complete their MO DESE personal finance requirement, subject to their passing the DESE personal finance end of course exam. Requires instructor permission for enrollment.

### Leadership Education Training (L.E.T.) - IV

Grades 12 1 Elective credit

**Prerequisite:** *Successful completion of L.E.T. III*

This class is designed for seniors. This fourth-level class is advanced leadership theory and application. The student applies leadership theory and techniques, works on advanced leadership techniques, oral and written communications, staff planning, staff functions and procedures, leadership theory, history, and selected optional subjects. The focus of the LET-IV year is planning and executing all battalion activities and events. The LET-IV's function as the Battalion Senior Leadership and Staff. Requires instructor permission for enrollment.

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# Marketing

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These are one-year classes designed for high school juniors and seniors who are interested in the business or marketing fields. Marketing II is open only to seniors who have successfully completed or are currently enrolled in Marketing I.

## Marketing I

Grades 11, 12

1 Practical Arts credit

Marketing I, the introductory course in the Marketing Education Program, is offered to students who are interested in entry-level employment in the field of marketing. Students will be exposed to an overview of marketing including the basic concepts and theories fundamental to this field. Presentations of work will be done regularly both in the classroom and outside the classroom. DECA is an important component of the program, offering students the opportunity to participate in competitive events, leadership, civic and social activities. All students enrolled in the Marketing Education Program may join DECA, and are encouraged to participate in DECA activities.

Marketing I is designed to increase the student's knowledge of the following topics:

- Money Handling
- Selling & Sales Promotion
- Interpersonal Skills
- Economics
- Marketing Concepts

## Marketing II

Grade 12

1 Practical Arts credit

***Prerequisite:*** *must be a senior and have completed or be enrolled in Marketing I*

Marketing II is for seniors who are preparing a career in the field of marketing and management. In today's market-driven economy, there are numerous career opportunities available to those students who have a marketing background.

Marketing II classes are designed to increase the student's knowledge of the following topics:

- Assessing the Marketplace
- Marketing Operations
- Business and Society
- Channel Management
- Management Skills

## Entrepreneurship

Grade 12

1 Practical Arts credit

***Prerequisite:*** *Marketing I and teacher approval*

Entrepreneurship is a one-year training program designed for high school seniors who have successfully completed Marketing I and have a recommendation from the Marketing instructor. Students will explore various aspects of starting and/or operating their own business. Students will create their own business plan for a business of their choosing. Researching various career opportunities and aspects of the sports and entertainment industry will be completed during the second semester.

## Business Management

Grade 12

1 Practical Arts credit



**Prerequisite:** *Marketing I, concurrent enrollment with Marketing II and teacher approval*

Business Management is a one-year training program designed for high school seniors who have successfully completed Marketing I and have a recommendation from the Marketing instructors. Students taking this class will learn the skills necessary to manage a business. This class also allows time for completion of written competitive event projects for DECA competitions.

## Cooperative Education (CO-OP)

Grade 12

1 Practical Arts credit

**Prerequisite:** *Concurrent enrollment with Marketing II and teacher approval*

Cooperative Education is an optional add-on to the regular Marketing II curriculum. It is open only to high school seniors who are concurrently enrolled in Marketing II. This program allows Marketing II students to move from WCC classroom experiences into a business where they can learn marketing skills first hand. They can earn up to two high school credits, release time from the high school campus and earn a wage while being employed at a marketing related workstation.

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# Cosmetology

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## Cosmetology I & II

Grades 11, 12

3 Practical Arts credits

*Must start program junior year and commit to two years, 2 Year Certificate Program*

***Prerequisite:*** 85-95% attendance rate, interview, and teacher approval

Cosmetology is a straight to work program. The program is designed to prepare students for job opportunities to become a hairstylist, makeup artist, hairstyle consultant, product distributor or salon owner. Students will receive a certificate of completion, entry level skills and knowledge to successfully pass their State Board exam.

Students learn practical skills and gain a basic understanding of theory related to cosmetology. Theory lessons focus on professional behavior, infection control, how to recognize diseases and disorders, as well as, safety according to the State Board of Cosmetology.

Practical learning will be nail care, hair care, chemical use, hairstyling, massage, makeup application, proper equipment use and demonstration of leadership skills.

Additionally, students have an opportunity to receive four online advance training certifications.

Attendance requirements are strictly enforced and poor attendance will result in removal from the program. Standard school absences do not apply.

**Student Fee(s):** \$800 for student kit

Down payment of \$200 is due by **May 17, 2024.**

Remaining \$200 payments are due:

1. October 10, 2023
2. March 12, 2024
3. October 8, 2024

Student kits will be issued at the end of the two year program in **May 2025.**

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## Health Science

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### Health Science

Grade 12

3 Practical Arts credits



**Prerequisite:** *Recommended prior to enrollment Anatomy & Physiology and Biology*

Health Science is a one year program offered to high school seniors who wish to investigate and observe a variety of healthcare occupations. This course will provide students with skills related to the healthcare industry such as taking vital signs, body mechanics, medical terminology, and other entry level skills.

Students will receive training in American Heart Association First Aid and Health Care Provider Basic Life Support. Qualifying students will also be given the opportunity to take the state Certified Nurse Assistant examination.

***At this time, all students who enroll in Health Science will have to be fully vaccinated against COVID-19 by September 1, 2023. This is a requirement of the clinical sites for the CNA certification.***

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## English IV & Math IV

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**Note:** Students in Health Science and Cosmetology will not be enrolled in either English IV or Math IV.

### English IV at WCC

Students enrolled in a three block program will earn a ½ credit of Language Arts 12 as a year one student (junior) and a ½ credit of Language Arts 12 as a year two student (senior).

This Language Arts credit will count as a student's 4<sup>th</sup> Language Arts Credit. The credit will be awarded to the student at the end of the school year – English IV. All students will be enrolled in this class regardless of credits needed.

### Math IV at WCC

Students enrolled in a three hour block will earn ½ credit of Math IV as a year one student (junior) and ½ credit of Math IV as a year two student (senior). This credit will be awarded to the student at the end of the school year – Math IV. All students will be enrolled in this class regardless of the credits needed.

The course covers instruction and training in mathematical thinking and methods of contextual mathematical instruction directly related to the corresponding 3-hour block class.

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## Arts & Communications

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### Advertising Design I & II

Grades 10, 11, 12

3 Practical Arts credit each



Advertising designers create advertisements, logos, brochures, and other business branding and marketing materials. To achieve this, students will learn Adobe Illustrator, InDesign and Photoshop. This is a two-year course; year 1 students learn the basics of illustration, motion graphics, social media pieces and advertising. Year 2 students work with real world clients, photographing them and creating real design work to be printed. Year 2 students will also create a website portfolio to be used for scholarship applications and potential internships.

### Commercial Printing 1 & 2

Grades 11, 12

3 Practical Arts credits each

Printing is the third largest industry in the world. It has many job opportunities. The median annual salary for printing workers was \$34,100 in 2012.

Commercial Printing students will learn the fundamentals of Screen Printing, T Shirt design, Laser Engraving, Dye Sublimation, Embroidery, Bindery, Paper Cutting, Digital Printing, Pad Printing. We combine those areas to develop advertising specialty items for the promotion of the Waynesville Career Center. Each student will have the opportunity to create designs and printed items of their own. One of the large projects they will do is to create a complete advertising and promotional pack for a business of their own creation.

The class consists of hands-on training and prepares students for entry level employment or college readiness in the graphics field. Some of the careers in the industry include Screen Printer, Finish and Bindery Operator, Sublimation Tech Screen Tech, Digital Press Operator, Embroidery Tech, just to name a few. Students have the opportunity to compete in SkillsUSA and the SGIA screen printing design and printing contest.

### Video Production I

Grades 11, 12

2 Practical Arts credits



**Prerequisite:** *Recommended high school cumulative GPA of 3.0 or above*

Are you a creative person who likes electronics and computers? If so, Video Production I is the class for you. Video Production I is the first year course of the two year Video Production program offered at WCC.

In this class, you learn how to make your own videos and movies using the latest professional tools and technology. Students learn the same Adobe software used to make Hollywood films including Photoshop, Premiere Pro, and After Effects. You learn the entire creative process from brainstorming and writing, to recording audio and video clips, and then using editing software to finish your story. Students learn to create graphics, animation, audio mixes, and more while working on projects including commercials, news reports, and short films.

You also learn about live television production as you work on the Channel 12 live TV crew televising sporting events that air on local cable TV and stream online. Students in Video Production I produce videos for TigerTV News, our school newscast. You can also audition to be on TV for TigerTV News but it is not a requirement of the class.

Video Production I students also have the opportunity to earn college credit through the University of Central Missouri. Credit applies towards UCM's Bachelor of Science in Digital Media Production degree. Credit is transferable to any 2 or 4-year public college in Missouri. Most private colleges in Missouri and out of state colleges will also recognize the credit.

Students who complete both years of Video Production can earn up to 7 hours of credit. A high school cumulative GPA of 3.0 or higher is recommended for admission into UCM's dual credit program. A cumulative GPA of 2.50 or higher is required.

Students who complete both years of the Video Production program can become Adobe Certified Associates in Video Communication.

Students are encouraged to enroll in Photography and Animation to complete the 3-hour block.

## Video Production II

Grade 12

2 Practical Arts credits



**Prerequisite:** *C or above in Video Production I, recommended high school cumulative GPA of 3.0 or above*

Video Production II is the second-year course of the two year Video Production program offered at WCC. Students who enroll in Video Production II are high school seniors who have earned a B or higher in Video Production I. Students in Video Production II are strongly considering continuing their education in the field of video, film, or television or plan to enter the workforce after graduation.

In Video Production II, you build upon, enhance, and refine the skills you learned in Video Production I. Students learn more about animation and special effects while focusing more intently on creating film or news content. Students in Video Production II create a portfolio of projects they can use to show colleges or employers. Video Production II students can graduate high school as Adobe Certified Associates in Video Communication.

Video Production II students also have the opportunity to earn college credit through the University of Central Missouri. Credit applies towards UCM's Bachelor of Science in Digital Media Production degree. Credit is transferable to any 2 or 4-year public college in Missouri. Most private colleges in Missouri and out of state colleges will also recognize the credit. Students who complete both years of Video Production can earn up to 7 hours of credit. A high school cumulative GPA of 3.0 or higher is recommended for admission into UCM's dual credit program. A cumulative GPA of 2.50 or higher is required.

Students are encouraged to enroll in Photography and Animation to complete the 3-hour block.

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# Automotive

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## Auto Collision Technology I & II

Grades 11, 12

3 Practical Arts credits each

Every day thousands of vehicles are involved in traffic accidents. Though many are damaged beyond repair, many others can be made to look and drive like new.

Students will learn to:

- Use hand tools and equipment
- Straighten damaged panels
- Fabricate sheet metal panels
- Use plastic fillers
- Prepare surfaces for paint refinishing

Advanced students will add the following skills:

- Frame straightening and repair to factory specifications
- Damage assessment, parts, glass and panel replacement
- Writing repair estimates
- Refinishing with single stage & base coat/clear coat systems

## Automotive Service Technology I & II

Grades 11, 12

3 Practical Arts credits each

Provides an in depth study of basic automotive vehicle systems. This course provides basic operational knowledge, care and maintenance of engine, fuel, ignition, suspension, brakes, electrical, and drivetrain systems.

Employment of automotive service technicians is expected to grow 6 percent from 2016 to 2026. As the number of vehicles in use continues to grow, more entry-level service technicians will be needed to do basic maintenance and repair, such as brake pad replacements and oil changes. The increasing lifespan of late-model cars and light trucks will further increase demand for qualified workers.

Examples of careers in this field:

- Automotive air-conditioning technicians
- Brake technicians
- Front-end mechanics
- Transmission technicians and rebuilders
- Tune-up technicians

Automotive Service Technology is a two-year training program for high school juniors and seniors. Automotive Service Technology I is intended for high school juniors that wish to learn entry-level skills for the automotive service and repair industry. Only seniors who have successfully completed Automotive Service Technology I may enroll in Automotive Service Technology II.

Students will cover all eight areas of study recommended by the Automotive Service of Excellence (ASE) for national certification of automotive technicians:

- Automatic Transmission and Transaxle
- Manual Drivetrain and Axle
- Brakes
- Engine Performance
- Engine Repair
- Electrical Systems
- Heating and Air Conditioning Systems
- Steering and Suspension Systems

### Light Duty Diesel I & II

Grades 11, 12

3 Practical Arts credits each

Light Duty Diesel Technology Program is designed with the increased popularity and growing demand of the light duty diesel market. Improvements in diesel technologies and emissions have created a large skills gap in today's automotive and light duty truck market. This two year course is designed to give students the opportunity to identify maintenance and service components found on light duty diesel vehicles under one and a half ton classification. Students will learn the basic theory and operations, controls, regulations and fuels that make today's diesel engine a large part of our transportation technology. It also provides the basic hands-on skills needed for an entry level technician in an auto/light duty repair facility, and helps prepare the student for taking the ASE (A-9) Light Duty Diesel certification test. Topics of instruction include shop safety and operations, electrical systems, engine repair related to the light duty diesel vehicle, diesel engine performance and diagnostics, emission systems, transmission service, brakes, and Steering and suspension.

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# Computers & Technology

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## Computer Information Technology – C# Programming

Grades 10, 11, 12

3 Practical Arts credits



Are you interested in building apps and games? In CIT you'll do just that while you learn a skill that is in high-demand and well-paid. In CIT you will learn to code in Microsoft's Visual C# programming language as you build simple business apps and desktop games. This class does not require any previous coding experience. Upon completion, students will have an opportunity to earn the Microsoft Technology Associate (MTA) 98-361 Certification in Software Development Fundamentals.

## Computer Hardware/Networking

Grades 11, 12

3 Practical Arts credits



Do you enjoy using your computer? Have you ever wondered what goes on inside that small box? In Computer Hardware & Networking you will learn just that. Computer Hardware is designed for students to gain an understanding of basic electronics, computers, and network systems. Students will have the opportunity to learn from a curriculum composed by an industry leader, TestOut, as well as have an opportunity to work hands-on in our computer lab.

Students will learn the basics of maintaining, building, and repairing PCs. Students will also learn about basic networking and security, which is used in almost every business. Students will have the opportunity to work with 3D printing, creating and printing their own designs. Upon completion of this class students will have the opportunity to receive an industry recognized certification in computer maintenance.

What will you learn in this class?

- You will learn basic electronics and soldering
- You will learn software applications and maintenance
- You will learn to build, fix, and configure computers
- You will learn how to design and troubleshoot computer networks

## Video Game Software Development

Grades 11, 12

1 Practical Arts credit



***Prerequisite:*** Prior computer programming class in a language such as C#, Java, C++, JavaScript and/or teacher recommendation

Want to build a 3D video game? This course is an introduction to the process of video game development based upon the Unity 3D game engine and the C# programming language. Students will gain hands-on experience in simple game development. Working independently as well as in a team, students will learn to develop and design game-play for video game production.

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# Construction & Masonry

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## Construction Technology I & II

Grades 11, 12

3 Practical Arts credits each



Every year more than \$400 million is spent on new construction. The construction industry employs more than five million people. Construction of new commercial and industrial plants and renovation and modernization of existing structures is creating a tremendous need for individuals trained in the field.

In addition to learning on-the-job safety and the use of standard trade tools, students will learn to:

- Read Blueprints
- Install Windows & doors
- Estimate Materials for Projects
- Finish Interior Work
- Lay Out a Foundation
- Finish Exterior Work
- Frame a Structure

Students enrolled in the Construction Technology program for two years will actually be the construction crew that builds a complete residence. Completers of the program will also earn their OSHA Safety Certification and their Bobcat Certification.

## General Masonry

Grades 10, 11, 12

2 Practical Arts credits

*Not eligible for English IV or Math IV*

This class is designed to give students “hands-on” skill training and technical information needed to begin a career in the masonry industry.

Students will:

- Learn the basics of hand and power tools
- Measure and estimate materials needed to complete a project
- Use different methods to mix mortar and lay brick and block walls
- Identify and repair masonry structures

## Masonry I & II

Grades 11, 12

3 Practical Arts credits each



The Masonry program is designed to provide students with the specialized background needed to become a qualified brick and block mason. The program provides education and training experiences in current and emerging technology that will enable students to enter employment. The content standards are based on the Associated General Contractors (AGC) and National Center for Construction Research (NCCER) national standards and are designed to provide the specialized skills, attitudes and technical knowledge relevant to masonry.

Instruction includes but is not limited to, safely cutting, chipping and positioning blocks and bricks using bonding materials. In addition, instruction is provided in reading architectural plans, planning, and estimating. Instruction and training are provided in the proper care, maintenance, and use of tools and equipment and in all applicable local, state, and federal safety and environmental regulations.

Typical Tasks of a Mason:

- Lays and aligns bricks, blocks, or tiles to build and repair structures
- Applies and smooths mortar or other mixtures over work surfaces
- Examines brickwork and structures to determine the need for repair
- Measure distances from reference points and mark guidelines to lay out work, using a plumb bob and level
- Calculate angles and determines the vertical and horizontal alignment of courses
- Mixes specified amount of sand, clay, dirt and mortar powder with water
- Fastens brick and other building materials to structures with wire clamps, anchor holes, or cement
- Breaks or cuts brick, tiles, and blocks to size, using a trowel, hammer, or power saw
- Cleans working surfaces to remove scale, dust, soot, or chips of brick and mortar, using a broom, wire brush, or scraper

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# Culinary Arts

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## Culinary Arts 1 & 2

Grades 11, 12

3 Practical Arts credits each



Welcome to the professional cooking industry. The culinary arts courses at WCC are a fast paced, career building series of classes with a steep learning curve. Success in these classes requires dedicated students willing to commit to their learning. Upon completion of this course you will have the skills needed to test for your Certified Fundamentals Cook certificate, from the American Culinary Federation. You will also have the opportunity to become nationally certified in sanitation with the ServSafe certification. The class also focuses on professional behavior in the workplace. The class frequently participates in buffets and sit-down dinners throughout the year. These catered events are held during and after school hours that require student attendance and provide critical learning opportunities in an industry setting. We explore all aspects of the fundamentals of cooking, and learn about quality food production. Culinary Arts 1 is offered to students in 11th grade. In order for a student to advance to Culinary Arts 2 you must have a C average in this course. Students will earn 3 credits for completing this course as well as ½ an english credit. Culinary Arts also offers Dual credit through Ozarks Technical Community College, as well as articulation with private Culinary Arts Schools all over the country.

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# Heating, Ventilation, & Air Conditioning

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## General Heating, Ventilation and Air Conditioning

Grades 10, 11, 12

2 Practical Arts credits

*Not eligible for English IV or Math IV*

This class is designed to provide an introduction to the basics of heating/cooling, plumbing, and electrical industries as well as provide some lab experiences with an introduction to troubleshooting and correcting minor mechanical problems. Students will receive an introduction to the following:

- Basic HVAC Practices
- Basic Electricity
- Residential Wiring
- Electrical Motors
- Basic Plumbing
- Residential and Light Commercial Heating and Cooling
- Sheet Metal Work
- Refrigeration
- On-The-Job Safety

## Heating, Ventilation & Air Conditioning I & II

Grades 11, 12

3 Practical Arts credits each



**HVAC is a 2 year program designed for juniors and seniors.** The purpose of this course is to prepare students to enter the workforce as a HVAC helper or apprentice and give them the foundation of knowledge needed to further their education in the HVAC field.

During this course students will learn safety, refrigeration process, piping practices, basic electricity, electrical motors, controls, residential and light commercial cooling/heating, installation and preventive maintenance, troubleshooting, customer relations, leadership, and job seeking skills.

Students will gain hands-on experience installing and repairing heating/cooling systems, electrical systems, and ventilation systems. Ventilation systems are also designed and fabricated in our shop. WCC Construction Technology students build a house and the HVAC, electrical, and plumbing systems are installed in the house by the HVAC students.

In addition to classroom study, students will have numerous lab experiences troubleshooting and correcting mechanical problems. Students also learn to plan and install the heating, cooling, sheet metal, plumbing, and electrical systems.

Students will study these Basic Principles of Mechanical Technology:

- Basic Electricity
- Residential Wiring
- Electrical Motors
- Basic Plumbing
- Residential and Light Commercial Heating and Cooling
- Sheet Metal Work
- Refrigeration
- On-The-Job Safety

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# Welding

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## Welding & Manufacturing I & II

Grades 11, 12

3 Practical Ars credits



Would you like to have the power of a Greek GOD? Control electrical lighting like Zeus? If the answer is yes you need to check out WCC's Welding and Manufacturing program -- we can teach you how!

WCC's Welding and Manufacturing Program maintains the American Welding Society (AWS) Entry Level I & II Certification. Welding Technology prepares the student with occupational skills in the field of industrial welding. Students will have the opportunity to earn two AWS prequalified welding certifications.

Few career choices offer such vast options for employment and personal development as welding. From industry production lines, to the laboratory, to research and development, to national defense, to sales and repair, the varied welding industry impacts virtually every industry on the globe. From deep in the oceans to high above the planet, there is a position within the welding industry for ambitious, smart professionals ready to excel and achieve new heights!

Year two is a continuation of Welding Technology I including information related to safety, gases, filler materials, and equipment set-up with more advanced training on previous processes. Students will receive further instruction in arc welding of plate and pipe, more detailed blueprint reading, welding symbols, metallurgy, and welding codes and manufacturing skills for the welding industry. Possible opportunities for internships are available.

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# Waynesville Career Center - Certificates

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## State of Missouri CTE Certificates

The Missouri State Board of Education along with the CTE Advisory Council have established minimum requirements for a Career And Technical Education (CTE) certificate that a student can earn in addition to his or her high school diploma. These requirements are intended to provide students with the necessary technical and employability skills to be prepared for an entry-level career or additional training in a technical field. Students must meet all requirements in order to receive the CTE certificate.

- Meet all graduation requirements.
- Qualify as a CTE concentrator
- Maintain a 3.0 grade point average (on a 4.0 scale) in the CTE area of concentration.
- Pass an approved Technical Skills Assessment and/or earn an approved Industry Recognized Credential or Certificate
- Complete at least 50 hours of work-based learning aligned with the CTE area of concentration.
- Maintain at least a 95 percent attendance record overall for grades 9-12.
- Demonstrate soft skills/business skills
- Achieve a score at or above the state standard on any DESE-approved measure of college and career readiness

## Career Ready Diploma

- Must not be absent more than 10 days per year, 20 days for a 2 year program
- No semester grade lower than a B (80-89%) for 3 of 4 semesters
- Master a minimum of 80% of core competencies
- Must be a program completer

# Industry Recognized Credentials

Students who complete a career and technical program area may have the opportunity to earn an Industry Recognized Credential (IRC). These exams are industry driven and exemplify industry knowledge.

## **These programs currently offer Industry Recognized Credentials (IRC's)**

- Agriculture – MOASK
- Auto Collision Technology – ICar Student Certifications
- Auto Service Technology – ASE Student Certifications
- Business – NOCTI
- Computer Information Technology – MTA
- Computer Hardware/Networking - Testout
- Construction – Carpentry Career Connections
- Cosmetology – Board of Cosmetology Theory and Practical Examination
- Culinary Arts – ACF Culinary Federation
- Graphic Design – Adobe Certified Associate
- Health Science – CNA
- Heating Ventilation & Air Conditioning – HVAC Excellence
- Light Duty Diesel – ASE Student Certifications
- Marketing – ASK
- Masonry – NCCER
- Video Production – Adobe Certified Associate
- Welding – AWS