MESSAGE FROM THE VICE PRINCIPAL

The Program of Studies Guide is intended to give parents and students a brief description of the courses and learning opportunities offered at Bartlett High School. The selection of courses is very important. It can determine the college or university students will attend, the type of career graduates will have, and students' overall enjoyment of high school. We encourage everyone to take a great deal of time to plan academic schedules.

Availability of classes is determined by need as students register in the spring semester for the following year's courses. Please use this resource throughout the year as a reference regarding graduation requirements, curriculum offerings, various policies/expectations, and requirements of the course. NOTE: Courses may be deleted due to budgetary constraints, lack of student interest, or unavailability of teachers due to the overall schedule demand.

If you have any questions about your son's or daughter's schedule for next year, graduation requirements, or college admission requirements, please contact his or her counselor. I also ask that you share your opinions about our course offerings and overall educational program with us. We welcome the opportunity to talk with you about Bartlett High School.

Sincerely,

Dr. Chris Maley

Vice Principal



2023-2024 Registration Instructions

As a student enrolled in Bartlett High School, you are given the opportunity to select coursework each spring for the following year. It is important to involve your parents in the course selection process, that you make certain you meet the prerequisites, and that you keep high school graduation requirements and career objectives in mind.

This guide is designed to aid in making appropriate choices by providing brief program and course descriptions, prerequisites, and other information related to this process. In order to complete registration successfully, you are urged to follow the steps identified below:

1. **READ** the Program of Studies Guide carefully.

2. **REVIEW** the list of graduation requirements and determine which requirements have been met and which courses need to be taken next year. Consider courses which need to be repeated because of lost credit.

3. **TALK** to your parents and teachers about course selections and appropriate academic levels (standard, Honors/Pre-AP, or advanced studies) as determined by your classroom teacher.
   - **Standard:** These courses are designed for in-depth instruction that challenges, but is suitable, for all students.
   - **Honors & Pre-AP:** These courses are designed for self-motivated students who wish to pursue a more challenging curriculum while in high school.
   - **Statewide Dual Credit:** SDC: Criminal Justice III, SDC: Introduction to Business & Marketing, and SDC: Pre-Calculus fall under this category. Statewide dual credit classes are college level courses taught at the high school level. Students will take the online challenge exam and those meeting or exceeding the exam "cut score" will receive college credit that can be applied to any Tennessee public postsecondary institution.
   - **Dual Enrollment:** These college level courses are designed for highly motivated students who wish to pursue potential college credit in high school through the University of Memphis or TCAT-Memphis.
   - **Advanced Placement:** These college level courses are designed for highly motivated students who wish to pursue potential college credit in high school.

4. **SELECT** courses that will correspond to or complement your goals for the future.

Course selection represents a commitment on the part of the student and parent to complete the schedule of classes chosen; however, requests for schedule changes will be considered for the following reasons:

- Scheduling error (example: request English 12 and receive English 11);
- Incorrect course sequence;
- Failure to complete a prerequisite course or requirement;
- Graduation or college requirement omitted from schedule;
- Duplicate course;
- Credit already received for course / course completed during the summer;
- Blank period on schedule

As you choose your course selections, make sure you meet the prerequisites for all selected courses and get Honors / Pre-AP / Statewide Dual Credit / Dual Enrollment / AP contracts signed, if needed.

If a Course Request Form is not returned with all the necessary requirements completed, a counselor will make selections for you based on class availability.

Last Updated: 2/24/23

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GENERAL INFORMATION

Bartlett High School

5688 Woodlawn Street · Bartlett, Tennessee 38134
(901) 373-2620 · http://bhs.bartlettschools.org
ACT / SAT CEEB Code: 430-070

ABOUT BARTLETT HIGH SCHOOL:

Bartlett High School, part of the Bartlett City Schools system, serves students in grades **10-12** of the incorporated city of Bartlett, Tennessee. Bartlett High, formerly Nicholas Blackwell High School, has existed on this site since 1917 and encompasses 21 acres. **Freshman attend the Bartlett Ninth Grade Academy, which was established in July 2014, as part of the newly formed Bartlett City Schools.**

ADMINISTRATION:

Tim Jones	Principal
Chris Maley	Vice Principal
Linda Berger	Assistant Principal
Lora Filsinger	Assistant Principal
Billy Holt	Assistant Principal
Lakisha Howard	Assistant Principal
Michael Kreeger	Assistant Principal

SCHOOL COUNSELORS:

A counselor is assigned to each student to guide him or her throughout high school. A student or parent may set up an appointment for a conference with his/her counselor through the guidance office.

	For 2022-2023 School Year:	For 2023-2024 School Year:	
Brenda Pilant	Seniors: Class of 2023	Sophomores: Class of 2026	Ext. #7013
Andrea Beck	Juniors: Class of 2024	Seniors: Class of 2024	Ext. #7015
Marcy Ross	Sophomores: Class of 2025	Juniors: Class of 2025	Ext. #7012
Kacee Real	Freshmen at Risk	Freshmen at Risk	Ext. #7014
Jana Radford	College & Career	College & Career	Ext. #7016

PARENT / TEACHER COMMUNICATION:

If a student is experiencing a problem in a course, the best solutions are a result of direct communication between the parent, student, and teacher. Please call or e-mail the instructor with your concerns and allow at least 24 hours for a response. E-mail addresses can be found through the "Staff Directory" section on the school web site at http://bhs.bartlettschools.org under "About Us." You may also arrange for a conference with a guidance counselor and your student's teachers by contacting your child's guidance counselor to schedule an appointment.

GENERAL INFORMATION

GRADES & ATTENDANCE ONLINE:

Report cards are distributed to the students at the end of every reporting period. Parents can access grades and attendance online, 24-7 at http://bhs.bartlettschools.org and clicking on the "Parent Power School" button. There is even a FREE smartphone App you can download for easier access to your child's grades. Simply search PowerSchool in your smartphone's web store to download today!

Available on the App Store

PROMOTION CRITERIA & GRADE CLASSIFICATION:

Students must earn a minimum number of credits each year to be promoted to the next level:

- **9th Grade:** promotion or placement from 8th Grade
- **10th Grade:** minimum of 5 credits including English 9 are needed to be promoted to 10th Grade
- **11th Grade:** minimum of 11 credits including English 9 and 10 are needed to be promoted to 11th Grade
- **12th Grade:** minimum of 16 credits including English 9, 10, and 11 are needed to be promoted to 12th Grade

GRADING SCALE, GPA CALCULATION & CLASS RANK:

Bartlett High School calculation for High School Course GPA:

Grade	2022-23 and After	2021-22 and Prior	Regular	Honors Pre-AP	State Dual Credit	AP Dual Enrollment
A	90 – 100	90 – 100	4.0	4.5	4.75	5.0
B	80 – 89	80 – 89	3.0	3.5	3.75	4.0
C	70 – 79	70 – 79	2.0	2.5	2.75	3.0
D	60 – 69	65 – 69	1.0	1.5	1.75	2.0
F	Below 60	Below 65	0	0	0	0

The weighted grading scale shall be used for all official purposes including report cards, GPA, class rank, honor roll, etc. except the Hope Scholarship as described below.

Grades earned prior to the 2022-2023 school year must be evaluated using the **Tennessee State Uniform Grading Scale** for Tennessee Hope and other state academic aid programs. The scale is as follows:

A 93-100
B 85-92
C 75-84
D 70-74
F ..... Below 70

Weighted Grades:

- Advanced Placement (AP) courses will have five (5) points added to each quarter *and* semester exam grade.
- Statewide Dual Credit and Dual Enrollment courses will have four (4) points added to each quarter *and* semester exam grade.
- Honors courses will have three (3) points to each quarter *and* semester exam grade.

GRADUATION REQUIREMENTS



SUBJECT AREA	GRADUATION REQUIREMENTS
English:	4 credits
Mathematics:	4 credits
Science:	3 credits
Social Studies:	3 credits
Fine Arts:	1 credit
Foreign Language:	2 credits
Personal Finance:	.5 credits
Physical Education:	1.5 credits
Focus Elective:	3 credits
ACT/SAT Exam:	must take at least once by February of Senior year

♦ **English: 4 credits**
- English 9: Regular or Honors
- English 10: Regular, Honors, or Pre-AP
- English 11: Regular, Honors, or AP Language
- English 12: Regular, Honors, Dual, or AP Literature

♦ **Mathematics: 4 credits**

Mathematics credit earned in the 8th grade counts as a mathematics elective credit, not as one of 4 required mathematics credits in high school.

Students are required by state guidelines to enroll in a math course during all four years of high school.
- Algebra I: Regular or Honors
- Geometry: Regular or Honors
- Algebra II: Regular or Honors
- a fourth higher level math course

♦ **Science: 3 credits**

Science credit earned in the 8th grade counts as a science elective credit, not as one of 3 required science credits in high school. Beginning with the Class of 2024 (current 11th graders) science credit earned in the 8th grade WILL count as one of the 3 required science credits in high school.
- Biology I: Regular or Honors
- Chemistry **OR** Physics: Regular or Honors
- a third lab science course

♦ **Social Studies: 3 credits**
- World History & Geography: Regular or Honors **OR** AP Human Geography **OR** AP European History
- U.S. History & Geography: Regular, Honors, or AP
- Economics (.5 credit): Regular, Honors or AP
- U.S Government (.5 credit): Regular, Honors or AP

♦ **Fine Arts: 1 credit**
- Film & Video, Music, Speech & Debate, Theatre Arts, **OR** Visual Arts

♦ **Foreign Languages: 2 credits in the same foreign language**

Foreign language credit earned in the 8th grade counts as a foreign language elective credit, not as one of 2 required foreign language credits in high school. Beginning with the Class of 2024 (current 11th graders) foreign language credit earned in the 8th grade WILL count as one of the 2 required foreign language credits in high school.

♦ **Personal Finance: .5 credits**

♦ **Physical Education: 1.5 credits**
- Lifetime Wellness (1 credit)
- Physical Education (.5 credits)

♦ **Focus Electives: 3 credits in a focus elective area (see next page)**

Last Updated: 2/24/23

2023-2024 Bartlett High School Focus Elective Clusters

Elective Focus: 3 credits focusing on a particular concentration area, beyond the required graduation requirements, in one of the following areas: Fine Arts, Humanities & Liberal Arts, Math & Science, Advanced Placement, and Career & Technical Education.

If you are waiving the Foreign Language OR Fine Arts credit, you must have 6 credits in **ONE** Focus Elective cluster.

Fine Arts

- Intro to Film & Video
- Film & Video II
- Advanced Film & Video
- Media Arts: Still Images & Animation
- Media Arts: Event Editing
- Intermediate Band Honors
- Varsity Band Honors
- Percussion Honors
- Instrumental Technique
- General Music
- Concert Choir
- Chamber Choir Honors
- Show - Jazz Choir Honors
- Women's Choir Honors
- Music Theory
- Strings
- Orchestra Standard or Honors
- Intro to Communication Arts (Speech)
- Forensics / Debate
- Forensics / Debate Honors
- Intro to Theatre
- Acting Honors
- Technical Theatre Honors
- Theatre Production Workshop Honors
- Art I Standard or Honors
- Art II Standard or Honors
- Art III Honors
- AP Art: 2-D Design OR Drawing
- Art I: Graphic Design
- Art I: Photography
- Advanced Photography

Humanities & Liberal Arts

- ACT Prep [SEM]
- Classical Mythology [SEM]
- Creative Writing [SEM]
- Advanced Creative Writing [SEM]
- Etymology Honors [SEM]
- Journalism / Yearbook
- AP European History
- AP Human Geography
- Psychology [SEM]
- AP Psychology [SEM]
- Sociology [SEM]
- Intro to Communication Arts (Speech)
- Forensics / Debate
- Forensics / Debate Honors
- French III Honors
- French IV Honors
- German III Honors
- German IV Honors
- Spanish I [taken in 8th grade*]
- Spanish III
- Spanish III Honors
- Spanish IV Honors
- AP Spanish Language

** Class of 2024 (current 11th graders): Spanish I will only count as a Focus Elective if not used as part of your Foreign Language graduation requirement.*

Math & Science

This is in addition to the 4 required Math and 3 required Science credits.

- Algebra I [taken in 8th grade]
- Calculus [SEM]
- Statistics [SEM]
- College Algebra & Elem. Calculus [DE]
- AP Calculus AB
- AP Statistics
- Physical Science [taken in 8th grade*]
- Ecology [SEM]
- Environmental Science [SEM]
- Human Anatomy & Physiology
- Physics Honors
- AP Biology
- AP Chemistry
- AP Environmental Science

** Class of 2024 (current 11th graders): Physical Science will only count as a Focus Elective if not used as part of your Science graduation requirement.*

Advanced Placement

- AP Biology
- AP Chemistry
- AP Computer Science Principles
- AP Environmental Science
- AP European History
- AP Human Geography
- AP US History
- AP Psychology [SEM]
- AP Spanish Language
- AP Calculus AB
- AP Statistics
- AP Art: 2-D Design OR Drawing

Key

- [SEM] = .5 credits
- [2HR] = 2 credits

2023-2024 BHS ~ Career & Technical Education Focus Elective Clusters

Elective Focus: 3 credits focusing on a particular concentration area, beyond the required graduation requirements, in one of the following areas: Fine Arts, Humanities & Liberal Arts, Math & Science, Advanced Placement, and Career & Technical Education.

If you are waiving the Foreign Language OR Fine Arts credit, you must have 6 credits in **ONE** Focus Elective cluster.

Advanced Manufacturing

- Principles of Manufacturing
- Principles of Machining I
- Principles of Machining II [2HR]

Arts, Audio/Visual Technology & Communication

- Digital Arts & Design I
- Digital Arts & Design II
- Digital Arts & Design III [2HR]

Business Management, Administration & Finance

- Computer Applications
- Intro to Business & Marketing [SEM]
- Business Management [SEM]
- Accounting I
- Accounting II

Education & Training

- Early Childhood Education Careers I
- Early Childhood Education Careers II
- Early Childhood Education Careers III

Health Science

- Health Science Education
- Human Anatomy & Physiology
- Diagnostic Medicine
- Medical Therapeutics
- Clinical Internship

Hospitality & Tourism

- Culinary Arts I
- Culinary Arts II [2HR]
- Culinary Arts III [2HR]

Human Services

- Introduction to Human Studies
- Lifespan Development
- Nutrition Across the Lifespan [SEM]
- Cosmetology I
- Cosmetology II [2HR]
- Cosmetology III [2HR]
- Psychology [SEM]
- AP Psychology [SEM]
- Sociology [SEM]

Information Technology

- Computer Science Foundations
- Coding I
- Coding II
- Coding Practicum
- Cybersecurity I
- Web Design Foundations
- Web Site Development
- Web Design Practicum
- AP Computer Science Principles

Law, Public Safety, Corrections & Security

- Criminal Justice I
- Criminal Justice II
- SDC Criminal Justice II (CJ III)

Marketing

- Business Management [SEM]
- Intro to Business & Marketing [SEM]
- SDC Intro to Bus. & Marketing [SEM]
- Marketing & Management I
- Marketing & Management II
- Advertising & Public Relations [SEM]
- Entrepreneurship

Mechatronics

- Pre-Mechatronics: Digital Electronics

Science, Technology, Engineering & Math

- Stem I: Foundation
- Stem II: Applications
- Stem III: STEM in Context
- Stem IV: STEM Practicum
- Engineering [DE]

Transportation, Distribution & Logistics

- Maintenance & Light Repair I
- Maintenance & Light Repair II [2HR]
- Maintenance & Light Repair III [2HR]

Key:

- SDC = State Dual Credit
- DE = Dual Enrollment
- SEM = .5 Credits
- 2HR = 2 Credits

GENERAL INFORMATION

GRADUATION WITH HONORS, STATE HONORS, & STATE DISTINCTION:

Honors Diploma: A student can graduate from Bartlett High School with an **Honors Diploma** if he/she meets the graduation requirements identified on page 6 as well as the following:

- Are a member of the Bartlett High School Honors Academy;
- Earn 14 Honors units:
  - semester Honors course = .5 units
  - year-long Honors course = 1 unit
  - semester Statewide Dual Credit course = .5 units
  - year-long Statewide Dual Credit course = 1 unit
  - semester Dual Enrollment course = 1 unit
  - year-long Dual Enrollment course = 1.5 units
  - semester Advanced Placement (AP) course = 1 unit
  - year-long Advanced Placement (AP) course = 1.5 units
- A minimum of 3 Honors units each year;
- Maintain an unweighted 3.0 GPA; weighted 3.5 GPA
- Must complete 12 service hours each school year;
- Complete a Project of Impact during Senior year

State Honors: Students who score at or above the subject area College Readiness Benchmarks on the ACT or SAT equivalent will graduate with **State Honors**. A seal will be placed on the student's diploma. The ACT College Readiness Benchmarks are:

- English: 18
- Math: 22
- Reading: 22
- Science Reasoning: 23

State Distinction: Students recognized as graduating with **State Distinction** will have a seal placed on their diploma. The requirements for graduating with State Distinction include attaining a 3.0 un-weighted or better average and completing one of the following:

- Earn a national and/or state recognized industry certification;
- Participate in at least one (1) of the Governor's Schools;
- Participate in one (1) of the state's All State musical organizations;
- Be selected as a National Merit Finalist or Semi-Finalist;
- Attain a score of thirty-one (31) or higher composite score on the ACT or SAT equivalent;
- Attain a score of three (3) or higher on at least two (2) AP exams;
- Earn twelve (12) or more semester hours of transcripted postsecondary credits

GENERAL INFORMATION

HONORS, Pre-AP, STATEWIDE DUAL CREDIT, DUAL ENROLLMENT, ADVANCED PLACEMENT CREDIT:

The faculty and administration of Bartlett High School feel a student's academic success is directly related to correct placement in courses. Incorrect placement may result in poor performance and frustration for all concerned. Thus, Bartlett High School has published a contract of course expectations for Honors/Pre-AP, Statewide Dual Credit, Dual Enrollment, Advanced Placement (AP) courses and we require a teacher's signature of recommendation for these courses. Additionally, students and their parents will sign off that they understand by registering for Honors/Pre-AP, Statewide Dual Credit, Dual Enrollment and/or AP courses, the student is committing to a rigorous educational experience and is willing to put forth the effort necessary to succeed in the class. The contract indicates students will not be allowed to drop the course, even if the course adversely affects their GPA or class rank. **Contracts can be found on the BHS Website under Main Campus -> Guidance -> Registration Information.**

ADVANCED PLACEMENT:

Bartlett High School participates in College Board's nationally recognized Advanced Placement (AP) program. Excellent study habits and a strong foundation in the specific discipline are necessary for success in these classes. AP courses provide college level instruction in several areas that help prepare students for the rigorous coursework encountered in college.

AP stands for clarity and transparency. Teachers and students deserve clear expectations. The Advanced Placement Program makes public its course frameworks and sample assessments. Confusion about what is permitted in the classroom disrupts teachers and students as they navigate demanding work.

AP is an unflinching encounter with evidence. AP courses enable students to develop as independent thinkers and to draw their own conclusions. Evidence and the scientific method are the starting place for conversations in AP courses.

AP opposes censorship. AP is animated by a deep respect for the intellectual freedom of teachers and students alike. If a school bans required topics from their AP courses, the AP Program removes the AP designation from that course and its inclusion in the AP Course Ledger provided to colleges and universities. For example, the concepts of evolution are at the heart of college biology, and a course that neglects such concepts does not pass muster as AP Biology.

AP opposes indoctrination. AP students are expected to analyze different perspectives from their own, and no points on an AP Exam are awarded for agreement with a viewpoint. AP students are not required to feel certain ways about themselves or the course content. AP courses instead develop students' abilities to assess the credibility of sources, draw conclusions, and make up their own minds. As the AP English Literature course description states: "AP students are not expected or asked to subscribe to any one specific set of cultural or political values, but are expected to have the maturity to analyze perspectives different from their own and to question the meaning, purpose, or effect of such content within the literary work as a whole.

AP courses foster an open-minded approach to the histories and cultures of different peoples. The study of different nationalities, cultures, religions, races, and ethnicities is essential within a variety of academic disciplines. AP courses ground such studies in primary sources so that students can evaluate experiences and evidence for themselves.

GENERAL INFORMATION

ADVANCED PLACEMENT CONTINUED:

Every AP student who engages with evidence is listened to and respected. Students are encouraged to evaluate arguments but not one another. AP classrooms respect diversity in backgrounds, experiences, and viewpoints. The perspectives and contributions of the full range of AP students are sought and considered. Respectful debate of ideas is cultivated and protected; personal attacks have no place in AP.

AP is a choice for parents and students. Parents and students freely choose to enroll in AP courses. Course descriptions are available online for parents and students to inform their choice. Parents do not define which college-level topics are suitable within AP courses; AP course and exam materials are crafted by committees of professors and other expert educators in each field. AP courses and exams are then further validated by the American Council on Education and studies that confirm the use of AP scores for college credits by thousands of colleges and universities nationwide.

In May of each year, students take the AP exam written, administered, and graded by the College Board. If you score a 3 or higher (on a scale of 1–5), you *could* earn college credit, skip intro-level courses, or both, at thousands of U.S. colleges and universities. Earning credit in high school means paying for fewer credits in college. The score on this exam will not affect a student's grade in the course. **Each AP exam requires a $102.00 fee that is required to be paid by Sunday, October 15, 2023.** Per Board Policy: Students who do not pay for and/or take the AP exam in May, will have the additional 5 points used to calculate semester averages removed. This could not only affect the student's grade, but also his/her class ranking.

17 ADVANCED PLACEMENT COURSE OFFERINGS:

AP Biology
AP Calculus AB
AP Chemistry
AP Computer Science
AP English Language
AP English Literature
AP Environmental Science
AP European History
AP Human Geography
AP Macroeconomics*
AP Psychology*
AP Spanish Language
AP Statistics
AP Studio Art: 2-D Design
AP Studio Art: Drawing
AP U.S. Government*
AP U.S. History

***Please note these courses meet 2nd Semester ONLY**

GENERAL INFORMATION

ADVANCED PLACEMENT COURSE OFFERINGS:

To see how AP credits will be applied at the University of Memphis, see the table below. University of Memphis last updated this in August 2020.

AP Class at BHS	Score on AP Exam	Credit Given by Univ. of Memphis	Semester Hours Given by Univ. of Memphis
Art	3, 4, 5	See Dept. Chair	3
Biology	3	Biology 1010/1011, BIOL 1XXX Non Biology Majors	4, 4
Biology	4, 5	Biology 1010/1011, BIOL 1XXX Biology Majors	4, 4
Calculus AB	3	MATH 1830	3
Calculus AB	4, 5	MATH 1910	4
Chemistry	3	CHEM 1010/1011	4
Chemistry	4	CHEM 1110/1111	4
Chemistry	5	CHEM 1110/1111, 1120/1121	4, 4
Computer Science Principles	3, 4, 5	COMP 1000	3
English Language	3	ENGL 1010	3
English Language	4, 5	ENGL 1010, ENGL 1020	3, 3
English Literature	3	ENGL 1010	3
English Literature	4, 5	ENGL 1010, ENGL 1020	3, 3
Environmental Science	3, 4, 5	ENVR lower division	4
European History	3, 4, 5	History lower division	3
Human Geography	3, 4, 5	ESCI 1401	3
Macroeconomics	3, 4, 5	ECON 2010	3
Psychology	3	PSYC lower division	3
Psychology	4, 5	PSYC 1030	3
Spanish Language	3	SPAN 1010, 1020	3, 3
Spanish Language	4	SPAN 1010, 1020, 2010	3, 3, 3
Spanish Language	5	SPAN 1010, 1020, 2010, 2020	3, 3, 3, 3
Statistics	3, 4, 5	MATH 1530	3
U.S. Government	3	POLS 1030	3
U.S. Government	4, 5	POLS 1030, POLS lower division	3, 3
U.S. History	3	HIST 2020	3
U.S. History	4, 5	HIST 2010, 2020	3, 3

For all other Colleges and Universities that offer credit or placement for AP scores by visiting https://apstudents.collegeboard.org/getting-credit-placement/search-policies.

GENERAL INFORMATION

DUAL ENROLLMENT:

Dual Enrollment is when a high school student receives credit at two institutions simultaneously. At the high school level, the class is applied toward their high school diploma, while at the collegiate level, they are receiving hours toward their college diploma. Please see each course description for pre-requisites.

Students are required to maintain a "2.0" college average in the class to continue receiving funding from the State of Tennessee's lottery funds. The 2.0 college average is in accordance with the post-secondary institutions grading system. Students who fall below a "2.0" college average, will be placed in the high school equivalent course for 2nd semester. Funding amounts are subject to change.

For more information Dual Enrollment Programs offered on BHS campus please visit:
- https://www.memphis.edu/dualenrollment/ University of Memphis
- https://tcatmemphis.edu/future-students/dual-enrollment TCAT

10 Dual Enrollment courses available at Bartlett High School:

- **ENGL 1010 - English Composition** through U of M (page 23) – first semester of BHS's English 12 Dual Enrollment course
- **ENGL 1020 - English Composition and Analysis** through U of M (page 23) – second semester of BHS's English 12 Dual Enrollment course
- **ENGR 1009 - Prep Math for Engineering** through U of M (page 65) – first semester of BHS's Engineering Dual Enrollment course
- **ENGR 1010 - Engineering Problem Solving** through U of M (page 23) – second semester of BHS's Engineering Dual Enrollment course
- **HPRM 2012 – Introduction to Culinary Arts** through U of M (page 56) – yearlong BHS's Culinary II & II Dual Enrollment course
- **MATH 1710 - College Algebra** through U of M (page 28) – first semester of BHS's College Algebra & Elementary Calculus Dual Enrollment course
- **MATH 1830 - Elementary Calculus** through U of M (page 28) – second semester of BHS's College Algebra & Elementary Calculus Dual Enrollment course
- **Principals of Machining** through TCAT (page 50)
- **UNIV 1500 - Career Skill Build/Workforce** through U of M (page 60) – second semester of BHS's Coding Practicum course; STEM IV Practicum course
- **UNIV 2555 – Introduction to Creativity, Innovation and Design** through U of M (page 63) – first semester of BHS's Entrepreneurship course



Last Updated: 2/24/23

GENERAL INFORMATION

NEW COURSE OFFERINGS & COURSE NAME CHANGES:

The following courses are **NEW COURSES** to Bartlett High School for the 2023 - 2024 school year:



	PAGE
Pre-Mechatronics: Digital Elecrtoncis	55

SCHEDULING ADD / DROP PROCEDURE:

Course selections should be made with careful consideration. The following rules and deadlines apply regarding a student-initiated request to drop a course.

1. REQUIRED COURSES may NOT be dropped.

2. A procedure for dropping an Honors, Pre-AP, Dual and/or AP course (after classes have begun) must be followed. To do so, the student must have approval from the Vice Principal and/or Principal.

3. Students and parents who change their minds regarding classes for the next school year must submit the request no later than the last day of school on **Friday, May 19, 2023**. This request may be submitted by email to the grade level counselor.

4. Once classes have begun, students may add a class within two weeks (if the student has a study hall in their schedule) and may drop a class (follow procedure) within the first four weeks.

5. All students must be enrolled in seven courses.

6. Only one study hall per semester is permitted.

ENGLISH

All students will engage in a summer reading assignment, which will be posted on the BHS website in mid-May. Students will be tested on the summer reading assignment during the three weeks of school.

ENGLISH 10

Grade Level: 10 **1 Credit / Year Long**

Prerequisite(s): English 9

English 10 is designed for the student who is functioning at grade level. Emphasis is placed on the development of grammar skills in writing and speaking. This prepares a student for the job market or post- secondary education.

ENGLISH 10 HONORS

Grade Level: 10 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **90 or higher recommended in English 9 course**
- **Honors Contract signed by parent and student**



English 10 Honors is a class for self-motivated students who want a challenge in English. This class researches, moves quickly, and covers material from the text and outside sources.

PRE-AP ENGLISH 10

Grade Level: 10 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **90 or higher recommended in English 9 course**
- **Honors Contract signed by parent and student**



Pre-AP English 10 is designed for students who display an unusual aptitude for reading, writing, and speaking the English language. Self-motivation and self-discipline are essential factors for success. The students must be capable of mastering logic and reasoning skills necessary for advanced composition and reading analysis. Advanced Placement vocabulary and reading skills are further enhanced along with research and grammar skills. During the school year, outside readings are required.

ENGLISH 11

Grade Level: 11 **1 Credit / Year Long**

Prerequisite(s): English 10

English 11 is a chronological survey of American literature. This course deals with the strengthening of vocabulary, grammar, and literary related composition skills.

ENGLISH 11 HONORS

Grade Level: 11 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **90 or higher recommended in English 10 course**
- **Honors Contract signed by parent and student**



English 11 Honors is a chronological and comparative study of American literature and its relationship to American history with emphasis on analytical skills and interpretation of literary works. It includes a brief review of grammar relating to the writing of two research papers and an in-depth study of vocabulary and analogies taken from ACT and SAT tests.

AP ENGLISH 11 (LANGUAGE & COMPOSITION)

Grade Level: 11 **Course Weight:** 1.0 **1 Credit / Year Long**

Prerequisite(s):
- **90 or higher recommended in English 10 course**
- **AP Contract signed by parent and student**

Advanced Placement (AP) English Language and Composition is a course recommended for any student planning on attending a four-year university. Emphasis is on wide vocabulary, logical organization, specific writing styles, and good use of detail. The main purpose of the course is to enable students to write effectively and confidently in their college courses across the curriculum and in their professional and private lives. Students who take AP Language and Composition are required to take the AP exam in the spring. **A payment of $102.00 for the AP test is required by Sunday, October 15, 2023.**

ENGLISH

All students will engage in a summer reading assignment, which will be posted on the BHS website in mid-May. Students will be tested on the summer reading assignment during the three weeks of school.

ENGLISH 12

Grade Level: 12 **1 Credit / Year Long**

Prerequisite(s): English 11

This course focuses on a chronological survey of British literature with an emphasis on the writing process. The composition program culminates with the compilation of a research paper.

ENGLISH 12 HONORS

Grade Level: 12 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **90 or higher recommended in English 11 course**
- **Honors Contract signed by parent and student**



English 12 Honors focuses on a chronological survey of British literature with an emphasis on the writing process. This course provides additional rigor to the standard course curriculum that is intended to challenge the students in all areas.

ENGLISH 12 DUAL ENROLLMENT: The University of Memphis's ENGL 1010 and 1020

Grade Level: 12 **Course Weight:** 1.0 **1 Credit / Year Long**

Prerequisite(s):
- **90 or higher recommended in English 11 course**
- **Dual Enrollment Contract signed by signed by parent and student**
- **Admission to the University of Memphis**
- **Minimum 19 composite score on ACT; minimum 18 English sub-score on ACT**
- **100 admissions index score: 30 times the high school GPA (based on a 4.0 scale) plus the composite ACT score. Example: high school GPA of a 2.85 X 30 = 85.5 + 19 = 104.5**

The Dual Enrollment program offers English 1010 and 1020 from The University of Memphis on Bartlett HS campus. Both 1010 and 1020 are rigorous writing courses requiring regular reading and frequent essays. Because these are actual college courses, the student's work ethic and maturity should be equivalent to that of a first year college student. Grades may transfer to public universities and some private colleges. If there are questions, students should inquire with the universities/colleges of their choice. Whether or not the course is accepted for college credit, this class is a great introduction to higher level academic writing, reading, and thinking. Additional fees for books and materials may be required at teacher's discretion. Six (6) hours of college credit is possible.

COURSE DESCRIPTION FROM UNIVERSITY OF MEMPHIS CATALOG:

- ENGL 1010 - English Composition: Practice in expository writing with emphasis on content, organization, and style (levels of usage and sentence structure) for different purposes and audiences.
- ENGL 1020 - English Composition and Analysis: Practice in expository writing that synthesizes ideas from various readings. Includes library work and production of documented papers.



Last Updated: 2/24/23

ENGLISH

All students will engage in a summer reading assignment, which will be posted on the BHS website in mid-May. Students will be tested on the summer reading assignment during the three weeks of school.

AP ENGLISH 12 (LITERATURE & COMPOSITION)

Grade Level: 12 **Course Weight:** 1.0 **1 Credit / Year Long**

Prerequisite(s):
- **90 or higher recommended in English 11 course**
- **AP Contract signed by parent and student**

Advanced Placement (AP) English Literature and Composition is a course recommended for any student planning to attend a four-year university. This challenging curriculum focuses on the process of writing and the study of literature, with emphasis on drama and a survey of British and American literature. Specified summer readings are required. Students who take AP Literature and Composition are required to take the AP exam in the spring. **A payment of $102.00 for the AP test is required by Sunday, October 15, 2023.**

ENGLISH ELECTIVES

ACT PREP

Grade Level: 10, 11, 12 **½ Elective Credit / 1 Semester**

Prerequisite(s): None

This class is a computerized online course. ACT Test Prep is a semester course designed to help prepare college bound students score well on their ACT test or raise their score in math, English, and reading areas. This course will familiarize students with the test format and content in those areas so they will know what to expect when they take the ACT. The course will provide instruction to refresh the student's knowledge and skills in math, English, and reading subtest areas. A considerable amount of time will be spent on test taking techniques: understanding what a question is asking, pacing, and strategies for guessing. 10th graders are encouraged to take ACT Test Prep if they plan on taking the ACT during their sophomore year.

CLASSICAL MYTHOLOGY

Grade Level: 10, 11, 12 **½ Elective Credit / 1 Semester**

Prerequisite(s): None

This course emphasizes Greek and Roman mythology that appears in literature throughout all English studies. It is designed for students interested in reading, studying ancient cultures, and seeking to understand how literature and myths are related to modern culture.

CREATIVE WRITING

Grade Level: 10, 11, 12 **½ Elective Credit / 1 Semester**

Prerequisite(s): "C" average in English

Creative Writing is a personal, experiential writing course in which students will model their own writing after published works studied in two basic genres: fiction (the short story) and poetry. The course is conducted in a writers' workshop format. It is designed for those who enjoy writing. Students must be able to type and have good attendance.



ENGLISH ELECTIVES

ADVANCED CREATIVE WRITING

Grade Level: 11, 12 **½ Elective Credit / 1 Semester**

Prerequisite(s): Creative Writing

Advanced Creative Writing is a course to be taken after the completion of Creative Writing. This workshop style course will focus on weekly constructive critiquing forums and assignments leading up to the construction of a finalized writing piece which will dominate the second half of the semester. The reveal of this piece will be during the first week of the course. For the first half of the semester, writing activities and assignments to further student writing style and maturity will be concentrated in two focus areas: prose-fiction (reading, emulating and creating fictional works with significant word counts) and poetry (confessional/non-fiction and fiction; reading, emulating and creating personal works).

ENGLISH AS A SECOND LANGUAGE 10
ENGLISH AS A SECOND LANGUAGE 11
ENGLISH AS A SECOND LANGUAGE 12

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): Approved through Guidance

English as a Second Language (ESL) is for students with limited English proficiency whose parents have permanently relocated to the United States. English as a Second Language is designed to help meet the communicative needs of daily living. The areas of instruction include reading, listening, thinking, oral communication, and written communication. Instruction focuses on the development of skills in grammar, literature, spelling, handwriting, creative writing, listening, and thinking. Correlation of language arts with other areas is also integral to this class. ESL I or II may be substituted for one required English course.

ETYMOLOGY HONORS

Grade Level: 10, 11, 12 **Course Weight:** 0.5 **½ Elective Credit / 1 Semester**

Prerequisite(s):
- **90 or higher recommended in current English course**
- **Honors Contract signed by parent and student**



Etymology is designed to instruct students to recognize Latin and Greek word elements, making the knowledge of them an effective tool for increasing vocabulary. The student is expected to be able to analyze words fully and define them. Students will also become familiar with the general patterns of semantic change and will gain some insight into patterns of human thought by studying word changes that reflect the history of ideas.

JOURNALISM / YEARBOOK

Grade Level: 10, 11, 12 **1 Elective Credit / Year Long**

Prerequisite(s): Application – See BHS Website -> Main Campus -> Guidance –> Course Selection for 2023-24

Journalism/Yearbook offers students the opportunity to employ skills learned in various classes including English, math, business, and art. In this class, students design pages, take photographs, write copy, and enter the copy in the computer. They are responsible for raising funds necessary to publish the book. In addition, a select group of students from the staff produce a literary magazine. A good background in English is strongly recommended.



Last Updated: 2/24/23

MATHEMATICS

PLEASE NOTE: Mathematics credit earned in the 8th grade counts as a mathematics elective credit, not as one of 4 required mathematics credits in high school. TI-84 Plus is the official calculator for all mathematics courses unless otherwise indicated.

ALGEBRA IB

Grade Level: 10 **1 Credit / Year Long**

Prerequisite(s): Specific IEP Stipulations

This class is designed to allow the student to earn required credits.

GEOMETRY IA / IB

Grade Level: 11, 12 **1 Credit / Year Long**

Prerequisite(s): Specific IEP Stipulations

This class is designed to allow the student to earn required credits.

GEOMETRY

Grade Level: 10, 11 **1 Credit / Year Long**

Prerequisite(s): Algebra I

Geometry investigates mathematics using inductive and deductive reasoning. Geometric problems include proofs, properties of geometric figures, and area and volume formulas.

GEOMETRY HONORS

Grade Level: 10, 11 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **90 or higher recommended in Algebra I course**
- **Honors Contract signed by parent and student**



Geometry Honors is designed for the advanced math student with emphasis on critical thinking and analytical skills. Problem solving and synthesis of materials are areas where students will be challenged.

ALGEBRA II

Grade Level: 10, 11 **1 Credit / Year Long**

Prerequisite(s): Algebra I & Geometry

This course is a continuation of Algebra I. Topics are treated with more detail and depth. In addition, the content includes a study of number systems, relations and functions, matrices, exponents and logarithms, quadratic relations, systems of equations and inequalities, probability and statistics, and rational expressions.

ALGEBRA II HONORS

Grade Level: 10, 11 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **90 or higher recommended in Geometry course**
- **Honors Contract signed by parent and student**



Algebra II Honors is for students who have mastered Algebra I and Geometry skills and desire a more challenging approach to Algebra II. Students should plan to take Pre-Calculus and AP Calculus in high school.

BRIDGE MATH

Grade Level: 12 **1 Credit / Year Long**

Prerequisite(s):
- **Geometry, Algebra II**
- **18 and below (math subtest) on ACT**

Bridge Math is a course designed specifically to fulfill the TDP requirement of a 4th math in high school. It is designed to help connect new math skills to skills previously studied. Also, it is designed to prepare students for college level mathematics courses. Technology will be used strategically to help understand core concepts using multiple problem-solving strategies. Recommended for those with an 18 or below on the ACT in math. This course does not satisfy the math requirement for NCAA Clearinghouse eligibility.

MATHEMATICS

PRE-CALCULUS

Grade Level: 11, 12 **1 Credit / Year Long**

Prerequisites: Geometry and Algebra II

Pre-Calculus focuses on pulling together previous mathematics courses, with an emphasis on analyzing functions, including trigonometric functions. Use of graphing calculators will be integral to the course.

PRE-CALCULUS HONORS

Grade Level: 11, 12 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **Geometry, Algebra II**
- **90 or higher recommended in Algebra II course**
- **Honors Contract signed by parent and student**

This course both encompasses and extends topics and concepts of intermediate algebra. It includes topics such as advanced trigonometry, conic sections, polar coordinates, complex numbers, various types of functions, and sequences and series. Greater emphasis is placed on technological devices, such as a CAS graphing calculator. **The official calculator for this course is the TI-89.**

STATEWIDE DUAL CREDIT (SDC): PRE-CALCULUS

Grade Level: 11 only **Course Weight:** 0.75 **1 Credit / Year Long**

Prerequisite(s):
- **Geometry, Algebra II**
- **90 or higher recommended in Algebra II course**
- **Honors Contract signed by parent and student**

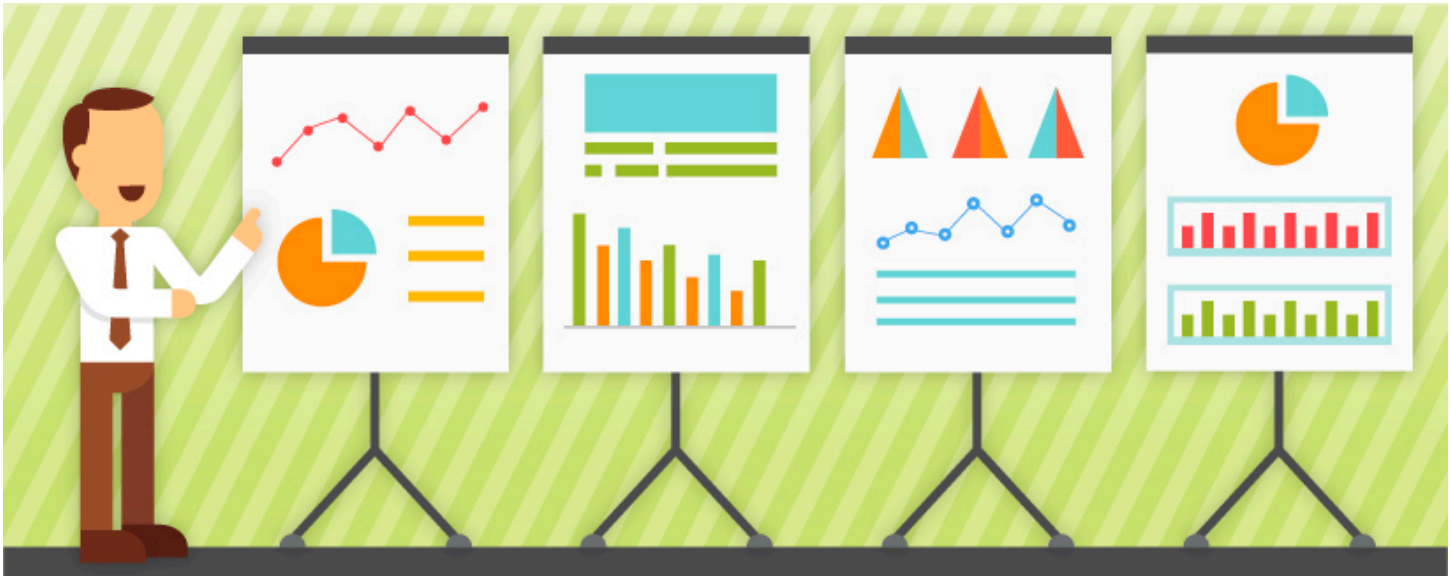
This class is for students planning on taking AP Calculus as a senior. This course both encompasses and extends topics and concepts of intermediate algebra such as advanced trigonometry, conic sections, polar coordinates, complex numbers, various types of functions, and sequences and series. Greater emphasis is placed on technological devices, such as a CAS graphing calculator. **The official calculator for this course is the TI-89.**

CALCULUS / STATISTICS

Grade Level: 11, 12 **½ Credit Each / 1 Semester Each**

Prerequisite(s): Pre-Calculus

This is a combination class, but it can be taken in single semesters, one of calculus, and one of statistics. This is not an Honors class. The class is designed to be an introduction to calculus and an introduction to statistics.



MATHEMATICS

COLLEGE ALGEBRA & ELEMENTARY CALCULUS DUAL ENROLLMENT: The University of Memphis's MATH 1710 & 1830

Grade Level: 11, 12 **Course Weight:** 1.0 **1 Credit / Year Long**

Prerequisite(s):
- **Geometry, Algebra II**
- **90 or higher recommended in current Math course**
- **Dual Enrollment Contract signed by parent and student**
- **Admission to the University of Memphis**
- **Minimum 19 composite score on ACT; minimum 19 Math sub-score on ACT**
- **100 admissions index score: 30 times the high school GPA (based on a 4.0 scale) plus the composite ACT score. Example: high school GPA of a 2.85 X 30 = 85.5 + 19 = 104.5**

This math fulfills the fourth-year requirement for graduation and allows the student the opportunity to gain hours toward a college degree. Students will be deemed eligible to take this course through an application process. Students are required to purchase the textbook for first and second semesters. A graphing calculator is also required for this course. Additional fees may be required at teacher's discretion. Six (6) hours college credit is possible with success and fee payment for both semesters.

COURSE DESCRIPTION FROM UNIVERSITY OF MEMPHIS CATALOG:
- MATH 1710 - College Algebra: Analysis of functions (linear, quadratic, polynomial, root, rational, exponential, logarithmic) using graphing calculators; partial fractions; conic sections; theory of equations; inequalities; applications.
- MATH 1830 - Elementary Calculus: Introduction to concepts and methods of elementary calculus of one real variable as related to rational, exponential, and logarithmic functions; nature of derivatives; differentiation; application of derivative; nature of integration: definite integral; applications of definite integral.

AP CALCULUS AB

Grade Level: 12 **Course Weight:** 1.0 **1 Credit / Year Long**

Prerequisite(s):
- **Pre-Calculus Honors or SDC: Pre-Calculus**
- **90 or higher recommended in Pre-Calculus Honors or SDC: Pre-Calculus**
- **AP Contract signed by parent and student**

Advanced Placement (AP) Calculus AB consists of a full academic year of work in calculus and related topics comparable to a college calculus course. This course is designed to provide students with foundations in both differential and integral calculus including applications of each. The content includes analytic preparation, functions, limits, derivatives, integrals, and transcendental functions. Students who take AP Calculus AB are required to take the AP exam in the spring. **A payment of $102.00 for the AP test is required by Sunday, October 15, 2023. The required calculator for this course is the TI-89. This class has a summer math packet requirement.**

AP STATISTICS

Grade Level: 12 **Course Weight:** 1.0 **1 Credit / Year Long**

Prerequisite(s):
- **90 or higher recommended in current Math course**
- **AP Contract signed by parent and student**

Advanced Placement (AP) Statistics is a college level mathematics course. The topics are divided into four major themes: (1) exploratory analysis, (2) planning and conducting a study, (3) probability, and (4) statistical inference. Students who take AP Statistics are required to take the AP exam in the spring. **A payment of $102.00 for the AP test is required by Sunday, October 15, 2023. This class has a summer math packet requirement.**

SCIENCE

PLEASE NOTE: Science credit earned in the 8th grade counts as a science elective credit, not as one of three (3) required science credits in high school. Beginning with the Class of 2024 (current 10th graders) science credit earned in the 8th grade WILL counts as one of the three (3) required science credits in high school.

BIOLOGY IA / 1B

Grade Level: 10, 11 **1 Credit / Year Long**

Prerequisite(s): Specific IEP Requirements

This class is designed to allow students to earn the required number of science credits.

BIOLOGY I

Grade Level: 10 **1 Credit / Year Long**

Prerequisite(s): None

Biology is the study of living organisms and their relationships to one another within the environment. Laboratory study is an important part of the course where students gain "hands-on" experience. Classroom discussions, projects, and individual/group work also help students see connections in the living world.

BIOLOGY I HONORS

Grade Level: 10 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **90 or higher recommended in Physical Science**
- **Honors Contract signed by parent and student**



Biology Honors is an accelerated laboratory/class discussion course for the highly motivated and academically talented science student. This course requires more rigorous classwork and strong reading comprehension skills. Scientific writing and problem solving are integrated into the coursework. It encompasses the study of the structures unique to life, the environment, the interactions of organisms, and the patterns of matter and energy. Students will examine, experiment, and make conclusions about various biological topics. *Students with a Physical Science credit from 8th Grade will take Biology Honors as their first required science credit.

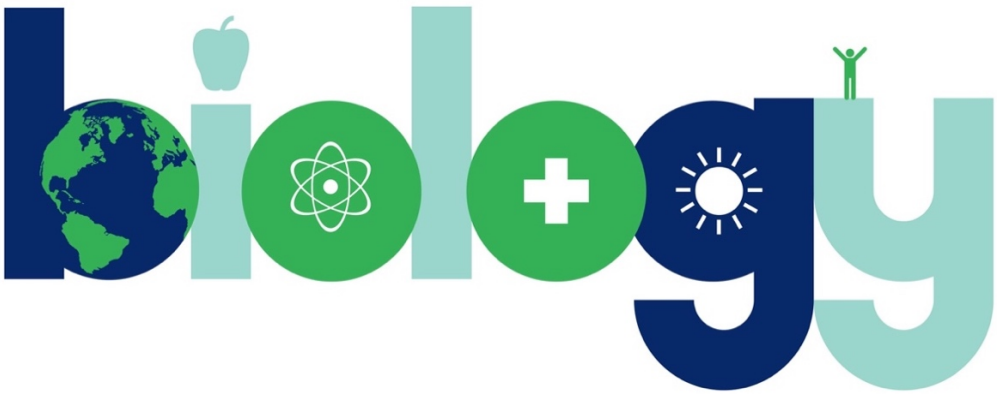
AP BIOLOGY

Grade Level: 11, 12 **Course Weight:** 1.0 **1 Credit / Year Long**

Prerequisite(s):
- **Biology I, Chemistry I**
- **90 or higher recommended in current Science course**
- **AP Contract signed by parent and student**



Advanced Placement (AP) Biology is equivalent to a two-semester college biology course. This course presents a fantastic opportunity to expand knowledge of the biological sciences, to hone laboratory techniques and writing, and to develop skills, habits, and knowledge that will prepare one for success at the university level and beyond. Three general areas of content are covered with extensive laboratory exercises: (1) molecules and cells, (2) genetics and evolution, (3) organisms and populations. Students who take AP Biology are required to take the AP exam in the spring. **A payment of $102.00 for the AP test is required by Sunday, October 15, 2023.**



Last Updated: 2/24/23

SCIENCE

CHEMISTRY I

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): Concurrently enrolled in Geometry or Algebra II

Chemistry is the study of the properties of matter and the changes it undergoes with an emphasis on quantitative and critical thinking skills using laboratory activities, class discussions, and projects. Chemistry follows biology in the course sequence established by the Tennessee Diploma Project.

CHEMISTRY I HONORS

Grade Level: 10, 11, 12 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **Concurrently enrolled in Algebra II**
- **90 or higher recommended in current Science course**
- **Honors Contract signed by parent and student**

Chemistry Honors is a more extensive and in-depth study of matter and energy designed to meet the needs of independent, highly motivated learners. In addition to frequent laboratory exercises and higher-level questioning, the Honors student is expected to complete more writing tasks and presentation projects.

AP CHEMISTRY

Grade Level: 11, 12 **Course Weight:** 1.0 **1 Credit / Year Long**

Prerequisite(s):
- **Chemistry I**
- **90 or higher recommended in current Science course**
- **AP Contract signed by parent and student**

Advanced Placement (AP) Chemistry is designed to be the equivalent of the general chemistry course usually taken during the first year of college. The course is structured around the six big ideas of the AP Chemistry curriculum framework provided by the College Board. A special emphasis is placed on the work that scientists engage in, with learning objectives that combine content with inquiry and reasoning skills. Students who take AP Chemistry are required to take the AP exam in the spring. **A payment of $102.00 for the AP test is required by Sunday, October 15, 2023.**

ECOLOGY

Grade Level: 11, 12 **½ Credit / 1 Semester**

Prerequisite(s): None

Ecology is the scientific study of the interaction between organisms and their environment. The course encompasses both physical and biological factors that affect the population. Ecology is considered a lab science.

ENVIRONMENTAL SCIENCE

Grade Level: 11, 12 **½ Credit / 1 Semester**

Prerequisite(s): None

Environmental Science is a hands-on laboratory science elective designed to offer a balanced approach to the diverse study of our environment. The emphasis in this program is the study of science and improving student awareness of the environmental problems we face now and will be facing in the future. Student decision making and problem-solving skills will improve as their knowledge of environmental issues progress.



SCIENCE

AP ENVIRONMENTAL SCIENCE

Grade Level: 11, 12 **Course Weight:** 1.0 **1 Credit / Year Long**

Prerequisite(s):
- **Physical Science or Chemistry**
- **90 or higher recommended in current Science course**
- **AP Contract signed by parent and student**

Advanced Placement (AP) Environmental Science is interdisciplinary in nature with a strong basis in Ecology. It also applies other sciences, including social sciences, in attempting to understand the interrelationships of the natural world and to identify and solve problems caused by mankind's use of the natural world. The goal of this full year course is to identify and analyze environmental problems, consider consequences, and explore alternatives as resolutions or preventative measures. Students who take AP Environmental Science are required to take the AP exam in the spring. **A payment of $102.00 for the AP test is required by Sunday, October 15, 2023.**

HUMAN ANATOMY AND PHYSIOLOGY

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): Biology

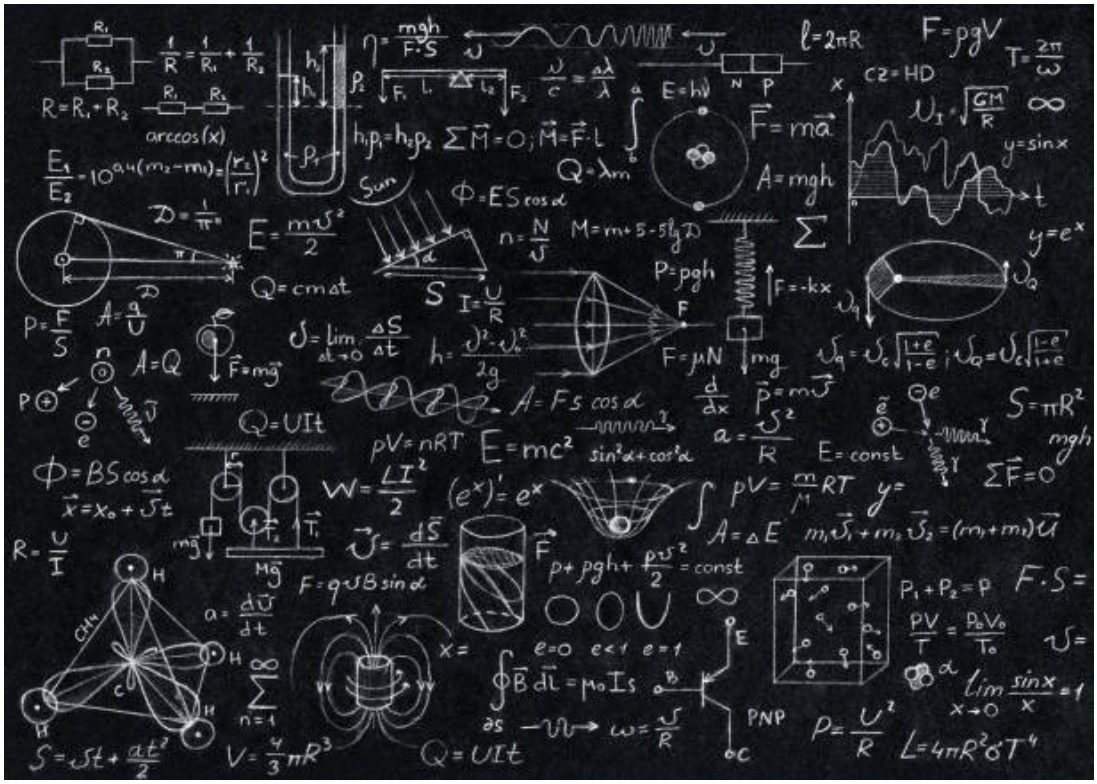
Anatomy and Physiology is a study of the structure and function of the various systems of the human body. As a science elective, emphasis will be on the major systems and how they coordinate activities to maintain a healthy body.

PHYSICS HONORS

Grade Level: 11, 12 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **Geometry and currently enrolled in Algebra II**
- **90 or higher recommended in current Science course**
- **Honors Contract signed by parent and student**

Conceptual physics is emphasized in this course to foster an understanding of our physical environment. Students study the relationship between matter and energy. Metric measurement and mathematical techniques are applied to solve problems using the scientific method. Laboratory experiences are included in this course of study.



SOCIAL STUDIES

WORLD HISTORY & GEOGRAPHY

Grade Level: 10 **1 Credit / Year Long**

Prerequisite(s): None

Students will study the rise of the nation state in Europe, the French Revolution, and the economic and political roots of the modern world. Relevant Tennessee connections will be part of the curriculum, as well as appropriate primary source documents. Students will explore geographic influences on history, with attention given to political boundaries that developed with the evolution of nations from 1750 to the present and the subsequent human geographic issues that dominate the global community. Additionally, students will study aspects of technical geography, such as GPS and GIS, and how these innovations continuously impact geopolitics in the contemporary world.

WORLD HISTORY & GEOGRAPHY HONORS

Grade Level: 10 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **90 or higher recommended in current English 9 course**
- **Honors Contract signed by parent and student**



World History & Geography Honors follows the standard World History and Geography curriculum but places a greater emphasis on reading and critical thinking skills, research, and outside independent study.

U.S. HISTORY & GEOGRAPHY

Grade Level: 11 **1 Credit / Year Long**

Prerequisite(s): None

Students will examine the causes and consequences of the Industrial Revolution and America's growing role in world diplomatic relations, including the Spanish-American War and World War I. Students will study the goals and accomplishments of the Progressive movement and the New Deal. Students will also learn about the various factors that led to America's entry into World War II, as well as its consequences for American life. Students will learn about the Cold War, Civil Rights Movement, Great Society, and the consequences of these topics into the late 20th Century. Students will continue to learn fundamental concepts in civics, economics, and geography within the context of United States history. Finally, students will focus on current human and physical geographic issues important in contemporary America and the global society.

U.S. HISTORY & GEOGRAPHY HONORS

Grade Level: 10, 11 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **90 or higher recommended in World History course**
- **Honors Contract signed by parent and student**



U.S. History & Geography Honors intensively examines the development and changes of American history from the Reconstruction Era in 1865 through the events of the present. The course covers the social, political, cultural, military, economic, and diplomatic aspects of the time periods. In addition to developing a deeper understanding of the relationship between our nation's past, present, and future, one of the primary goals of U.S. History Honors is to create a learning environment where students can take ownership of their own learning process. Students can expect this course to be fast-paced and require them to use higher-level thinking skills. Students will be expected to compare, contrast, construct, argue, evaluate, infer, deduce, analyze, interpret, criticize, apply, synthesize, explain, justify, summarize, revise, write, and test. It will be imperative students are prepared to be challenged and work diligently. This is a college preparatory class and will include the writing of historical argument papers, as well as historical debates.



SOCIAL STUDIES

AP U.S. HISTORY

Grade Level: 11 **Course Weight:** 1.0 **1 U.S. HISTORY Credit / Year Long**

Prerequisite(s):
- **Students must have completed U.S. History Honors in the 10th grade**
- **90 or higher recommended in U.S. History Honors**
- **AP Contract signed by parent and student**

Advanced Placement (AP) U.S. History provides the student with the analytical skills and factual knowledge necessary to deal critically with the problems and material in American history. This course emphasizes the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. Students may be required to purchase supplementary materials. Students who take AP U.S. History are required to take the AP exam in the spring. **A payment of $102.00 for the AP test is required by Sunday, October 15, 2023.** **This class has a summer assignment.**

ECONOMICS

Grade Level: 12 **½ Credit / 1 Semester**

Prerequisite(s): None

The economic system of the United States is compared to other economic systems with emphasis on how each determines what is to be produced, who will produce goods and services, and how they will be distributed.

ECONOMICS HONORS

Grade Level: 12 **½ Credit / 1 Semester**

Prerequisite(s):
- **90 or higher recommended in U.S. History course**
- **Honors Contract signed by parent and student**

Economics Honors follows the standard Economics curriculum, but places a greater emphasis on reading and critical thinking skills, research, and outside independent study.

AP MACROECONOMICS

Grade Level: 12 **Course Weight:** 1.0 **½ Credit / 1 Semester**

Prerequisite(s):
- **90 or higher recommended in U.S. History course**
- **AP Contract signed by parent and student**

This class is scheduled for 2nd Semester only. Advanced Placement (AP) Macroeconomics provides students with a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students who take AP Macroeconomics are required to take the AP exam in the spring. **A payment of $102.00 for the AP test is required by Sunday, October 15, 2023.**

U.S. GOVERNMENT & CIVICS

Grade Level: 12 **½ Credit / 1 Semester**

Prerequisite(s): None

U.S. Government & Civics is a survey of American government. It includes English foundations and colonial experiences, the constitution, and the three branches of government.

U.S. GOVERNMENT & CIVICS HONORS

Grade Level: 12 **½ Credit / 1 Semester**

Prerequisite(s):
- **90 or higher recommended in U.S. History course**
- **Honors Contract signed by parent and student**

U.S. Government & Civics Honors follows the standard U.S. Government & Civics curriculum, but places a greater emphasis on reading and critical thinking skills, research, and outside independent study.

SOCIAL STUDIES

AP U.S. GOVERNMENT & POLITICS

Grade Level: 12 **Course Weight:** 1.0 **½ Credit / 1 Semester**

Prerequisite(s):
- **90 or higher recommended in U.S. History course**
- **AP Contract signed by parent and student**

This class is scheduled for 2nd Semester only. Advanced Placement (AP) course in U.S. Government & Politics is intended for qualified students who want to complete studies in high school equivalent to one semester of college study. The course includes the historical and philosophical basis of the U.S. constitution, American political beliefs, political parties, the organization and powers of each branch of government, American civil liberties, and civil rights. The emphasis is on lively debate and discussion. Students are expected to work independently and take responsibility for their academic progress. Students may be expected to purchase additional materials. Students who take AP Government & Politics are required to take the AP exam in the spring. **A payment of $102.00 for the AP test is required by Sunday, October 15, 2023.**

SOCIAL STUDIES ELECTIVES

AP EUROPEAN HISTORY

Grade Level: 11, 12 **Course Weight:** 1.0 **1 Credit / Year Long**

Prerequisite(s):
- **90 or higher recommended in Social Studies course**
- **AP Contract signed by parent and student**

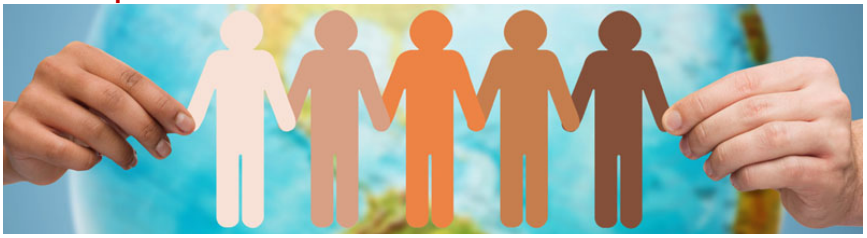
Advanced Placement (AP) European History course is a study of European history since 1450. This course acquaints the student with the great western cultural tradition beginning in 1300 to the present. The following historical themes are stressed: (1) political and diplomatic, (2) cultural and intellectual, and (3) economic and social. An emphasis is placed on writing and the interpretation and analysis of documents. Course examines art, literature, music, and political history. It is an excellent college preparatory class. Eight hours of homework a week is standard and would be required. Students who take AP European History are required to take the AP exam in the spring. **A payment of $102.00 for the AP test is required by Sunday, October 15, 2023.** **This class has a summer assignment.** **AP European History can be used to satisfy the World History and Geography graduation requirement.**

AP HUMAN GEOGRAPHY

Grade Level: 10, 11, 12 **Course Weight:** 1.0 **1 Credit / Year Long**

Prerequisite(s):
- **90 or higher recommended in English 9 course for current 9th graders; 90 or higher recommended in any Social Studies course for upper classman**
- **AP Contract signed by parent and student**

Students in Advanced Placement (AP) Human Geography will be exposed to a challenging college-level curriculum. The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. Students who take AP Human Geography are required to take the AP exam in the spring. **A payment of $102.00 for the AP test is required by Sunday, October 15, 2023.** **This class has a summer assignment.** **AP Human Geography can be used to satisfy the World History and Geography graduation requirement.**



SOCIAL STUDIES ELECTIVES

PSYCHOLOGY

Grade Level: 10, 11, 12 **½ ELECTIVE Credit / 1 Semester**

Prerequisite(s): None

Psychology is a course that studies the science of individual behavior. Students investigate how and why people behave the way they do.

AP PSYCHOLOGY

Grade Level: 11, 12 **Course Weight:** 1.0 **½ ELECTIVE Credit / 1 Semester**

Prerequisite(s):
- **90 or higher recommended in current Social Studies course**
- **AP Contract signed by parent and student**

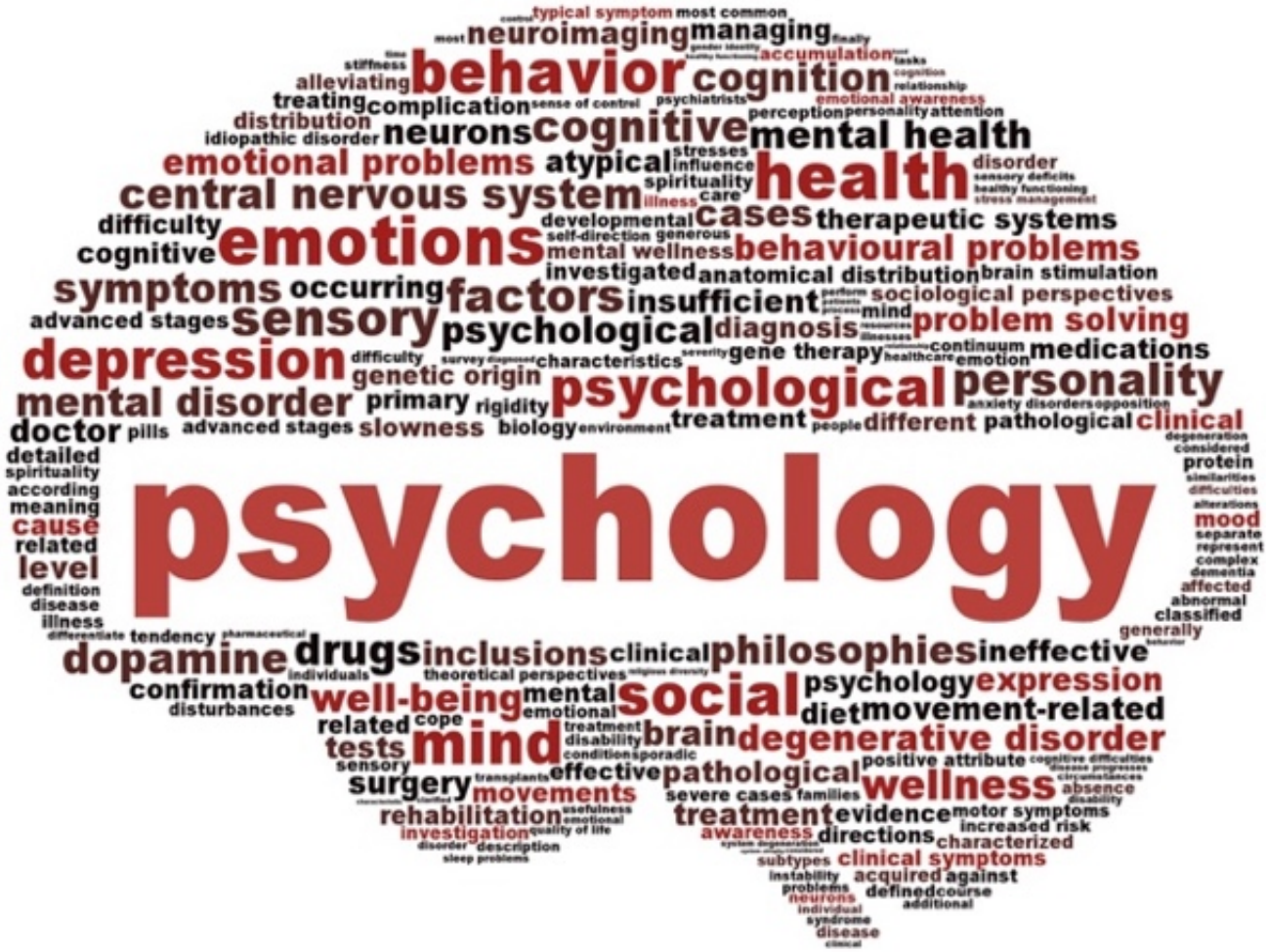
This class is scheduled for 2nd Semester only. The Advanced Placement (AP) Psychology course introduces students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles and phenomena associated with each of the major subfields within psychology. Students also learn about the methods psychologists use in their science and practice. Students who take AP Psychology are required to take the AP exam in the spring. **A payment of $102.00 for the AP test is required by Sunday, October 15, 2023.**

SOCIOLOGY

Grade Level: 10, 11, 12 **½ ELECTIVE Credit / 1 Semester**

Prerequisite(s): None

The study of society and human interaction is covered and includes the historical development of sociology, research methods, and theoretical perspectives on human group interaction.



FINE ARTS: FILM & MEDIA / VIDEO ARTS

PLEASE NOTE: Any Film & Media/Video course will meet the "Fine Arts Elective" requirement for high school graduation however, these courses may not be accepted as the "Fine Arts Credit" required by some four-year college/university admissions. Students applying to four-year colleges/universities should check with individual schools to determine if the following Film & Video course(s) are accepted for admissions.

INTRO TO FILM & VIDEO

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): None

When registering for this class in PowerSchool, please look for: Theatre Arts III – Intro Film & V. This course is a survey class where students will study film history and genre through the viewing of films. The students will also survey video shooting, film editing, and digital media creation through hands-on experiences in the film lab.

FILM & VIDEO II

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): ◆ Intro to Film & Video

When registering for this class in PowerSchool, please look for: Theatre Arts III – Film & Video II. Students will continue their studies in both film and television theory, as well as broaden their hands-on experience with video shooting and editing techniques. Areas of focus include: early Hollywood classics, comedy, film noir, thrillers/suspense, musicals, sci-fi/fantasy, short films, and the sitcom. Students will also produce at least one short film per semester for competition.

ADVANCED FILM & VIDEO

Grade Level: 11, 12 **1 Credit / Year Long**

Prerequisite(s): ◆ Film & Video II

When registering for this class in PowerSchool, please look for: Theatre Arts III – Advanced Film & V. Students will continue their studies in both film and television theory. Areas of focus include cinema & patriotism/the combat film, thrillers, sci-fi/fantasy, the studio system/the western, foreign film, film school generation, documentaries & bias in cinema/TV, and drama. Students will be expected to produce by themselves and/or with a small group at least three items throughout the year that will be submitted to local and/or national contests. Also, students will be asked to select one film from a list provided on the school website to view during the summer and will be expected to complete a project on the film chosen.

MEDIA ARTS: STILL IMAGES & ANIMATIONS

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): None

When registering for this class in PowerSchool, please look for: Th Arts-(Media)Still Images & Animat. Students will study art through the creation of digital media with an emphasis on still images and animations. Students will create digital media using Photoshop, Illustrator, and After Effects (extensive use of the computer is required.) Students will attend school events to acquire event media used in their projects. Student work will be displayed on our campus televisions.

MEDIA ARTS: EVENT EDITING

Grade Level: 11, 12 **1 Credit / Year Long**

Prerequisite(s): ◆ Intro to Film & Video

When registering for this class in PowerSchool please look for: Th Arts-(Media)Event Editing. Event Editing provides a workshop setting for students who desire to learn advanced techniques and gain practical experience in all phases of television and film production. Students will attend school events to create, produce and edit content for BHS Media. The course is performance oriented.

FINE ARTS: INSTRUMENTAL MUSIC

PLEASE NOTE: Any Music course will meet the "Fine Arts Elective" requirement for graduation.

Varsity Athletics Exemption for Marching Band: Any varsity band student who is a legitimate member of the five (5) fall BHS sports programs (football, girls soccer, volleyball, boys & girls cross country) and football season cheerleading teams are exempt from the marching band requirements. These students will still be expected to attend all Saturday marching contests to help with equipment, unless they are involved in a varsity athletic competition event. "Off-season conditioning" for other sports programs are not exempted because marching band is the "on season" activity.

INTERMEDIATE BAND HONORS

Grade Level: 10, 11, 12 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **Intermediate Band or Varsity Band Honors**
- **Placement Audition**
- **Honors Contract signed by parent and student**



Students will study music through the performance in band. This class includes marching band (mandatory of all students) during the first 10 weeks of school and concert band for the rest of the year. The intermediate band will study intermediate level music (Tennessee Bandmasters Association Grades 3 & 4), as well as fundamental exercises on the instruments and music reading strategies. A spring enrichment trip is offered for this course. Required events include: summer band camp/night camp, football games, 5-6 Saturday competitions, concert festival, and all after school rehearsals (see www.bartlettbandtn.org for calendar). **There is an additional fee for this course.** **This course may be taken multiple years.**

VARSITY BAND HONORS

Grade Level: 10, 11, 12 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **Intermediate Band or Varsity Band Honors**
- **Placement Audition**
- **Honors Contract signed by parent and student**



Seats in this band are decided by audition. Students will study music through the performance in band. This class includes marching band (mandatory of all students) during the first 10 weeks of school and concert band for the rest of the year. This advanced band will primarily study advanced level music (Tennessee Bandmasters Association Grades 5 & 6), as well as fundamental exercises on the instruments and music reading strategies. A spring enrichment trip is offered for this course. Required events include: summer band camp/night camp, football games, 5-6 Saturday competitions, concert festival, and all after school rehearsals (see www.bartlettbandtn.org for calendar). **There is an additional fee for this course.** **This course may be taken multiple years.**

PERCUSSION HONORS

Grade Level: 10, 11, 12 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **Intermediate Band or Varsity Band Honors**
- **Placement Audition**
- **Honors Contract signed by parent and student**



Students will study music through the performance in band and percussion ensembles. This class includes marching band (mandatory of all students) during the first 10 weeks of school and concert band and percussion ensembles for the rest of the year. In addition to performing in percussion ensembles, students will be assigned to a concert band to perform with, but music will be covered primarily in class. A spring enrichment trip is offered for this course. Required events include: summer band camp/night camp, football games, 5-6 Saturday competitions, concert festival, and all after school rehearsals (see www.bartlettbandtn.org for calendar). **There is an additional fee for this course.** **This course may be taken multiple years.**

FINE ARTS: INSTRUMENTAL MUSIC

PLEASE NOTE: Any Music course will meet the "Fine Arts Elective" requirement for graduation.

INSTRUMENTAL TECHNIQUE

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): Application – See BHS Website -> Main Campus -> Guidance –> Course Selection for 2023-24

Instrumental Technique is offered to students who are not in the marching band or students who wish to take an additional band class. Students will study instrumental technique by learning beginning level band music (Grades 1 & 2), as well as fundamental exercises on their instrument. This will serve as a remediation course of study for band. Students may or may not perform in BHS concerts. **There is an additional fee for this course. This course may be taken multiple years.**

STRINGS

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): None

Strings is for students with limited or no experience playing the violin, viola, cello, or bass. Students will learn to read music and play a stringed instrument. Students will also participate in several performances. Students will be required to be in this class for two years prior to moving to Orchestra. Exceptions may be made based upon a successful audition. Students will be expected to provide their own instrument and method book. **There is a fee for this class. This course may be taken multiple years.**

ORCHESTRA

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): Academy Orchestra OR two years of Strings class

High School Orchestra is for students who have played violin, viola, cello, or bass in ninth grade and wish to continue. This class is for students who enjoy orchestra, but are not interested in the accelerated pace and increased rigor offered by the honors section. Students will be required to attend mandatory after-school rehearsals and performances. **There is a fee for this class. This course may be taken multiple years.**

ORCHESTRA HONORS

Grade Level: 10, 11, 12 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **Academy Orchestra OR Audition**
- **Honors Contract signed by parent and student**



High School Orchestra is for students who played violin, viola, cello, or bass in ninth grade and wish to continue. High School Orchestra students will refine and build upon skills developed in previous years. Students will be required to attend mandatory after-school rehearsals and performances. This will include participation in the Concert Assessment event. This is an Honors class and will move at an accelerated pace. **There is a fee for this class. This course may be taken multiple years.**

FINE ARTS: MUSIC THEORY

MUSIC THEORY

Grade Level: 11, 12 **1 Credit / Year Long**

Prerequisite(s): None

Music Theory is designed for the committed music student planning to study music after graduation. It introduces a student to musicianship, theory, musical materials, and procedures. It integrates aspects of melody, harmony, texture, rhythm, form, musical analysis, elementary composition, and some history and style. Musicianship skills such as dictation, sight-singing, and keyboard harmony are included. The student's ability to read and write musical notation is fundamental to the course. It is also assumed that the student has acquired at least basic performance skills in voice or on an instrument. The course's ultimate goal is to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. Additionally, the development of aural skills is a primary course objective.

FINE ARTS: PHOTOGRAPHY

PLEASE NOTE: Any Visual Arts course will meet the "Fine Arts Elective" requirement for graduation.

ADVANCED PHOTOGRAPHY

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): ◆ **Art 1: Photography**
◆ **Application – See BHS Website -> Main Campus -> Guidance –> Course Selection for 2023-24**

This advanced level photography course adds to a student's skill in his or her ability to recognize and produce successful artistic and commercial photographs. Students will explore the tools used by professional photographers, learn what it takes to work as a professional photographer, and engage in a variety of assignments based on their own interests and ideas. Students will also work collaboratively with peers to organize, curate, manage, and execute their own photography exhibit. A supply fee of $20 is required (for high quality printing of work). Requirements: Access to a personal cell phone, digital camera, or other device (not a laptop) that takes photographs. **This course may be taken twice in high school.**

FINE ARTS: SPEECH & DEBATE

PLEASE NOTE: Any Speech & Debate course will meet the "Fine Arts Elective" requirement for high school graduation. However, Speech & Debate courses may not be accepted as the "Fine Arts Credits" required by some four-year college/university admissions. Students applying to four-year colleges/universities should check with individual schools to see if they accept the following Speech & Debate course for admissions.

INTRO TO COMMUNICATION ARTS (SPEECH)

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): None

When registering for this class in PowerSchool, please look for: Theatre Arts I – Intro Comm Arts. This course is an introductory class to communication skills in which students participate in group discussions, interviews, oral presentations of literature (poetry, prose, and drama), and radio and TV broadcasting. The focus of the class is on developing poise and confidence in speaking situations.

FORENSICS / DEBATE

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): None

When registering for this class in PowerSchool, please look for: Theatre Arts I – Forensics/Debate. This course teaches students the basics of performance events at speech tournaments. Emphasis will be placed upon piece selection, analysis, editing, and performance. Students will receive practical exposure through competition at speech tournaments. Students are required to attend one speech competition per semester, this will occur during the weekend and may be out of town. **There is a fee associated with this course. This course may be taken multiple years.**

FORENSICS / DEBATE HONORS

Grade Level: 10, 11, 12 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s): Honors Contract signed by parent and student

When registering for this class in PowerSchool, please look for: Theatre Arts I – Forensics/Debate Honors. This course teaches students the basics of performance events at speech tournaments. Emphasis will be placed upon piece selection, analysis, editing, and performance. Students will receive practical exposure through competition at speech tournaments. Students are required to attend a minimum of two speech competition per semester, this will occur during the weekend and may be out of town. **There is a fee associated with this course. This course may be taken multiple years.**



Last Updated: 2/24/23

FINE ARTS: THEATRE ARTS

PLEASE NOTE: Any Theatre Arts course will meet the "Fine Arts Elective" requirement for high school graduation.

INTRO TO THEATRE

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): None

When registering for this class in PowerSchool, please look for: Theatre Arts II – Intro to Theatre. This course offers students a broad overview of the theatre world. Topics discussed include: theatre history, basics of acting, study and analysis of theatrical literature, and basic information regarding technical theatre. Students will increase their understanding of theatre as an art form. As part of the course requirements, students will be required to attend and critique live theatrical performances that occur outside class time.

ACTING HONORS

Grade Level: 10, 11, 12 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **Intro to Theatre**
- **Honors Contract signed by parent and student**



When registering for this class in PowerSchool, please look for: Theatre Arts II – Acting Honors. This course will provide an introduction to theatrical performance. Students will learn basic acting skills such as: improvisation, characterization, preparing a role, and stage movement. Students will explore practical and theoretical approaches to acting. This course will require after school and weekend commitments. As part of the course requirements, students will be required to attend and critique live theatrical performances that occur outside class time. This course will also require co-curricular after school/weekend hours devoted to the Panther Playhouse.

TECHNICAL THEATRE HONORS

Grade Level: 10, 11, 12 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **Intro to Theatre**
- **Honors Contract signed by parent and student**



When registering for this class in PowerSchool, please look for: Th Arts II – Technical Theatre Honors.
This course is an exploration of the technical side of production. Topics covered will include design research and principles, scene shop organization, painting and construction techniques, equipment use and maintenance, sound and lighting design, costume and design, theatre management, theatre safety, and the function of technical stage personnel in production work. This course will incorporate academic study and hands-on application. As part of the course requirements, students will be required to attend and critique live theatrical performances that occur outside class time. This course will also require co-curricular after school/weekend hours devoted to the Panther Playhouse.

THEATRE PRODUCTION WORKSHOP HONORS

Grade Level: 11, 12 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **Acting Honors or Technical Theatre Honors**
- **Honors Contract signed by parent and student**
- **Application – See BHS Website -> Main Campus -> Guidance –> Course Selection for 2023-24**



When registering for this class in PowerSchool, please look for: Th Arts II – Theatre Prod Wkshp Honors.
This course will study the real practices of performance, managerial, and technical theatre. Students will create and produce theatrical events and will comprise the entirety of the production team. Topics include fundamental practices, principles, and techniques associated with producing plays of various periods and styles. Production work may consist of the following: acting, carpentry, costumes, makeup, painting, lighting, sound, props, and stage management. Students will be required to participate in all Panther Playhouse mainstage productions in some capacity. **This course may be taken multiple years.**

FINE ARTS: VISUAL ARTS

PLEASE NOTE: Any Visual Arts course will meet the "Fine Arts Elective" requirement for graduation.

ART I: DRAWING

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): None

Art I is an introductory art elective covering the basics of design, color and drawing skills, and art history. A genuine interest in art is highly recommended. **A supply fee of $25 is required within 10 days.** Additional supplies may be necessary.

ART II: INTERMEDIATE DRAWING

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): Art I

Art II is for those interested in furthering their art education: *new* and *more advanced* techniques are introduced. We do draw from direct observation a great deal. A materials fee of $30 covers supplies used in class.

ART II: INTERMEDIATE DRAWING HONORS

Grade Level: 10, 11, 12 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **90 or higher recommended in Art I or Art I Honors**
- **Honors Contract signed by parent and student**



Art II Honors is an intermediate art course that emphasizes drawing and painting skills; a genuine interest in art and an ability to draw is highly recommended. Techniques taught include acrylic painting, printmaking, and drawing. You will be graded more on creativity and a willingness to learn. You will be required to participate in local community art contests, as well as the Mid-South Scholastic Art Competition. **A materials fee of $30 covers supplies used in class.**

ART III HONORS

Grade Level: 11, 12 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **Art II Honors**
- **Honors Contract signed by parent and student**



Art III Honors is primarily a 3-D design/sculpture class. Students will still draw and paint, but the emphasis is on working in three dimensions. **The materials fee of $35 covers supplies used in class.**

AP STUDIO ART

Grade Level: 11, 12 **Course Weight:** 1.0 **1 Credit / Year Long**

Prerequisite(s):
- **Art III Honors**
- **AP Contract signed by parent and student**

Advanced Placement (AP) Studio Art is for students who have had prerequisite art classes (Art I – Art III Honors) and desire to explore advanced drawing techniques. Students who take the AP Studio Art class are required to take the AP exam in the spring. **A payment of $102.00 for the AP test is required by Sunday, October 15, 2023. A materials fee of $40 is also charged to cover supplies used in class.**

- **DRAWING** students will be working with a wide range of mediums: charcoal, pencil, acrylics, watercolors, printmaking, and mixed media. The AP program is designed for the highly motivated student and is taught as a college-level course/class. Students understand that work outside of class and independent study will be required along with required reading assignments. The AP course requires more rigor and has a required portfolio.
- **2-D DESIGN** portfolio addresses two-dimensional design issues and involves decision making about how to use the elements and principles of art in an integrative way. AP Studio Arts Drawing is a prerequisite for 2-D Design.

FINE ARTS: VOCAL MUSIC

PLEASE NOTE: Any Music course will meet the "Fine Arts Elective" requirement for graduation.

GENERAL MUSIC

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): None

This course is a beginning level class focusing on discovering music as a means of communication in and between cultures and how we use music to tell the story of our lives. The course provides experiences for all students in the area of creating understanding of and listening to music. Areas of focus are producing and experiencing music, musical styles, and music in contemporary life. Basic theory, sight-reading, breathing and breath support, resonance, and many other skills are developed. This class is for students who do not wish to commit to after school activities or expenses.

CONCERT CHOIR

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): Audition

This course is an auditioned intermediate to advanced level class for students who wish to develop their vocal skills and compete in festivals, audition for All Region and All State choir, and perform more often. More time is required for after school practices and performances, auditions, etc. **A fee is required, plus purchase of the performance clothing.** **This course may be taken multiple years.**

CONCERT CHOIR HONORS (formerly Women's Choir Honors)

Grade Level: 10, 11, 12 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **Audition**
- **Honors Contract signed by parent and student**





This is an auditioned choir for students with advanced vocal skills. Course content includes study of fundamental vocal technique, sight-reading, music theory, and music history. Performances, after school rehearsals and competitions are required as scheduled. This class will take an annual spring tour. **A choral fee and the purchase of performance attire are required for this class.** **This course may be taken multiple years.**

CHAMBER CHOIR HONORS

Grade Level: 10, 11, 12 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **Audition**
- **Honors Contract signed by parent and student**



This is an auditioned mixed level course for people with advanced vocal skills. Course content includes study of fundamental vocal technique, sight-reading, music theory, and music history. Performances, after school rehearsals, and competitions are required as scheduled. This choir will take an annual spring tour. **A choral fee and the purchase of performance attire are required for this class.** **This course may be taken multiple years.**

SHOW - JAZZ CHOIR HONORS

Grade Level: 10, 11, 12 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **Audition**
- **Honors Contract signed by parent and student**



This is an auditioned mixed level course for people with advanced vocal skills. Course content includes study of fundamental vocal technique, sight-reading, music theory, and music history. Performances, after school rehearsals, and competitions are required as scheduled. This choir will take an annual spring tour. **A choral fee and the purchase of performance attire are required for this class.** **This course may be taken multiple years.**



FOREIGN LANGUAGES

FRENCH I

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): None

French I is designed to develop basic conversational skills in French with an emphasis on listening and speaking. Vocabulary building, grammar, and pronunciation are emphasized. A study of basic French culture is included. Students must purchase a paper copy of the French/English dictionary.

FRENCH II

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): French I

French II emphasizes increased listening, speaking, writing, and comprehension skills. Students must purchase a paper copy of the French/English dictionary.

FRENCH II HONORS

Grade Level: 10, 11, 12 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **90 or higher recommended in French I Standard or Honors**
- **Honors Contract signed by parent and student**



French II Honors serves the needs of the students with an above-average aptitude in language acquisition. This course enhances listening, speaking, comprehension, and writing skills. Students are required to purchase supplementary materials, including a paper copy of the French/English dictionary.

FRENCH III HONORS

Grade Level: 11, 12 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **90 or higher recommended in French II Honors**
- **Honors Contract signed by parent and student**



French III Honors emphasizes conversation and composition as well as advanced grammar and usage. Students also read excerpts from literature. Students are required to purchase supplementary materials, including a paper copy of the French/English dictionary.

FRENCH IV HONORS

Grade Level: 12 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **90 or higher recommended in French III Honors**
- **Honors Contract signed by parent and student**



French IV Honors is a course designed for students who want to continue the development of speaking, reading, writing, and listening skills. Students read articles and books in French, write essays, listen to native speakers, and describe picture sequences. Students are required to purchase supplementary materials, including a paper copy of the French/English dictionary.



FOREIGN LANGUAGES

GERMAN I

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): None

German I is designed to develop basic conversational skills in German with emphasis on listening and speaking. Vocabulary building, grammar, and pronunciation are emphasized. A study of basic German culture and history is included.

GERMAN II

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): German I

German II is a continuation of German I, which emphasizes increased listening, speaking, writing, and comprehension skills.

GERMAN II HONORS

Grade Level: 10, 11, 12 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **90 or higher recommended in German I Standard or Honors**
- **Honors Contract signed by parent and student**



German II Honors is a continuation of the course work in German I on a more challenging level. The emphasis of the course is on oral and written communication skills. A survey of German culture and history is also included. Students are required to take the National German Exam.

GERMAN III HONORS

Grade Level: 11, 12 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **90 or higher in recommended German II Honors**
- **Honors Contract signed by parent and student**



German III Honors emphasizes conversation, composition, and cultural studies. Students read a variety of selections that reflect problems in German culture and history. Students are required to purchase supplementary materials and take the National German Exam.

GERMAN IV HONORS

Grade Level: 12 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **90 or higher recommended in German III Honors**
- **Honors Contract signed by parent and student**



German IV Honors is designed for students who wish to develop proficiency in German. The course teaches conversation and writing in German. Students do a comprehensive practice and review of their speaking and writing skills and will be required to do several presentations in German during the year. German is the required language for all communication in the class. Students may be required to purchase supplementary materials and will need to have access to the Internet for homework assignments and projects. Students are required to take the National German Exam.







Last Updated: 2/24/23

FOREIGN LANGUAGES

LATIN I

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): Minimum "C" average in English

Students are introduced to the Latin language and the culture and institutions of the Romans through comparisons between ancient and modern ways of life. Students learn to recognize the influence of ancient Roman civilization on the modern world. Emphasis is placed on vocabulary and translations from English to Latin and Latin to English. **There is a $6 activity fee for the National Latin Exam.**

LATIN II

Grade Level: 11, 12 **1 Credit / Year Long**

Prerequisite(s): Latin I

Latin II expands grammatical and vocabulary skills and enables the student to read a greater variety of stories. The study of literature is begun with translations of Hercules, the Argonauts, and selected works of Livy, Caesar and Ovid. Emphasis is placed on understanding social and political conditions in ancient Rome. **There is a $6 activity fee for the National Latin Exam.**

LATIN II HONORS

Grade Level: 11, 12 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **90 or higher recommended in Latin I Standard or Honors**
- **Honors Contract signed by parent and student**

Latin II expands grammatical and vocabulary skills and enables the student to read a greater variety of stories. The study of literature begins with translations of Hercules, the Argonauts, and selected works of Livy, Caesar and Ovid. Emphasis is placed on understanding social and political conditions in ancient Rome. Latin II Honors includes a project each quarter, as well as information from the Internet. The material is covered more rapidly than a regular class. **There is a $6 activity fee for the National Latin Exam.**



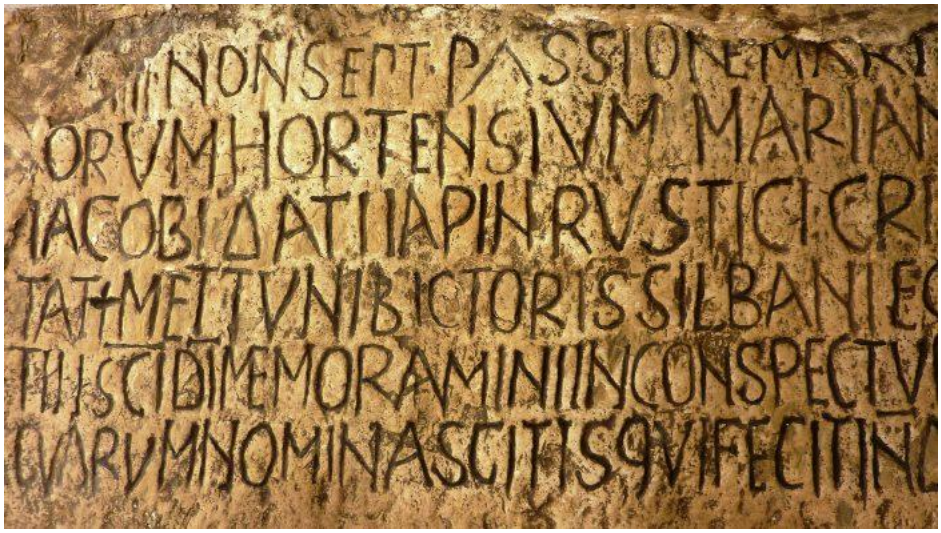
LATIN III HONORS

Grade Level: 12 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **90 or higher recommended in Latin II Standard or Honors**
- **Honors Contract signed by parent and student**

Students continue to develop competency in reading, verbal and grammar skills through the study of advanced grammatical structures and additional vocabulary. The works of Cicero and other classical authors are studied. Stylistic analysis is an integral part of the course. Latin III Honors includes a project each quarter, as well as information from the Internet. The material is covered more rapidly than a regular class. **There is a $6 activity fee for the National Latin Exam.**





Last Updated: 2/24/23

FOREIGN LANGUAGES

SPANISH I

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): None

Spanish I concentrates on grammar, vocabulary, and pronunciation with emphasis on written and oral proficiency in Spanish. This course is designed to develop basic conversational skills in Spanish. A study of the cultures of Spanish speaking countries is included.

SPANISH II

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): Spanish I

Spanish II emphasizes the continued study of Spanish grammar and usage with emphasis on proficiency in the written and spoken language.

SPANISH II HONORS

Grade Level: 10, 11, 12 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **90 or higher recommended in Spanish I Standard or Honors**
- **Honors Contract signed by parent and student**



Spanish II Honors emphasizes increased skills in reading, conversation, and fluency in Spanish. **Students who meet the criteria and plan to take Spanish III Honors must enroll in this course.** The class is conducted as much as possible in the target language. **Students are required to purchase supplementary materials (approx. $40).**

SPANISH III

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): Spanish II

Spanish III emphasizes increased skills in reading, conversation, advanced grammar and usage, as well as fluency in Spanish. The majority of the class is conducted in the target language. Students must purchase workbooks. **There is a $30 course fee.**

SPANISH III HONORS

Grade Level: 10, 11, 12 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **90 or higher recommended in Spanish II Honors**
- **Honors Contract signed by parent and student**



Spanish III Honors emphasizes increased skills in reading, conversation, advanced grammar and usage, as well as fluency in Spanish. The majority of the class is conducted in the target language. Students must purchase workbooks. **There is a $30 course fee.**

SPANISH IV HONORS

Grade Level: 11, 12 **Course Weight:** 0.5 **1 Credit / Year Long**

Prerequisite(s):
- **90 or higher recommended in Spanish III Honors**
- **Honors Contract signed by parent and student**



Spanish IV reviews and expands upon the content from the first three levels to support the student in the pursuit of proficiency in the Spanish language. All activities require the communicative use of all four language skills (speaking, listening, reading, and writing). The class is conducted in the target language. Students must purchase workbooks. **There is a $30 course fee.**



Last Updated: 2/24/23

FOREIGN LANGUAGES

AP SPANISH LANGUAGE

Grade Level: 12 **Course Weight:** 1.0 **1 Credit / Year Long**

Prerequisite(s):
- **90 or higher recommended in Spanish IV Honors**
- **AP Contract signed by parent and student**

Advanced Placement (AP) Spanish Language is designed for students who wish to develop proficiency in communication skills. This course is modeled upon a third-year university conversation and composition course and reflects the content of the AP Spanish Language Exam. There is a minimum of one hour of homework each night. Students who take AP Spanish Language are required to take the AP exam in the spring. **A payment of $102.00 for the AP test is required by Sunday, October 15, 2023.**



PERSONAL FINANCE

PERSONAL FINANCE

Grade Level: 11, 12 **½ Credit / 1 Semester**

Prerequisite(s): None

This course is required for graduation. It is designed to inform students how individual choices directly influence occupational goals and future earnings potential. Real world topics covered include income, money management, spending and credit, as well as savings and investing. Students will design personal and household budgets, simulate use of checking and savings accounts, demonstrate knowledge of finance, debt, and credit management, and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions.



PHYSICAL EDUCATION

1.0 credit in Lifetime Wellness AND 0.5 credits in a Physical Education (PE) activity elective are necessary to meet state graduation PE requirements.

In addition to the PE courses available at BHS, the 0.5 PE activity elective credit can be earned through an exercise or athletic program certified by a coach or band director. This NON-GRADED curriculum is completed by the student enrolled in an athletic or band activity and certified by the teacher/coach. A grade of "P" is awarded to students who have completed one of the following activities equaling 70 hours of physical exercise and under the jurisdiction of the local high school:

1. TSSAA sport season
2. Marching band season
3. Cheer season
4. Intramural season in an intramural activity/club sponsored by the school
5. Cast member of the spring theatre musical

LIFETIME WELLNESS

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): None

This course emphasizes the need for responsibility by engaging in behaviors that develop optimal health and wellness. The ongoing process of wellness requires daily decision-making in nutrition, stress management, physical fitness, preventative health care, emotional health, and other aspects of a healthy lifestyle.

LIFETIME SPORTS

Grade Level: 10, 11, 12 **½ Credit / 1 Semester**

Prerequisite(s): None

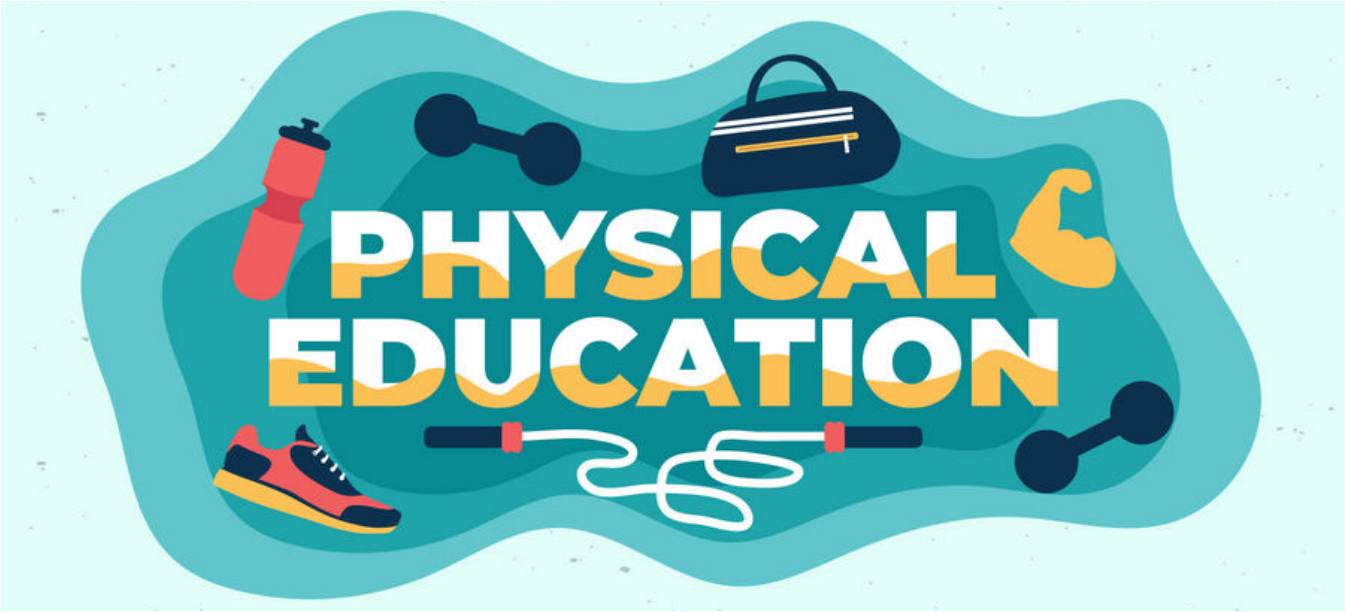
Students in this course will be exposed to a variety of individual, dual, and team sports that will provide lifetime value. Students will be engaged in activities throughout the semester to improve their physical fitness levels. **This course is considered a PE activity elective.**

RECREATIONAL GAMES

Grade Level: 10, 11, 12 **½ Credit / 1 Semester**

Prerequisite(s): None

This course is designed to acquaint students with basic knowledge of rules, techniques, and strategies of various recreational activities and games. The student will have an opportunity to participate in these activities and develop personal skills essential to the activity/game. **This course is considered a PE activity elective.**



Last Updated: 2/24/23

CAREER & TECHNICAL EDUCATION

Manufacturing

PRINCIPLES OF MANUFACTURING

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): None

This course focuses on the essential principles that must be mastered to be effective in manufacturing production work. The course is intended for students more interested in production than engineering. The course covers customers, quality principles and processes, systems, information in the workplace, the business of manufacturing, and statistical process control. **A $30 course fee is required.**

PRINCIPLES OF MACHINING I

Grade Level: 11, 12 **1 Credit / Year Long**

Prerequisite(s): Principles of Manufacturing

National Industry Certification:
- **NIMS Machining Level I: Measurement, Materials, and Safety Certification**
- **OSHA 10**

Principles of Machining I focuses on the concepts and practices that support careers in manufacturing, industrial maintenance, metrology, automation, industrial design, or industrial support. The course introduces the technology of machining and manufacturing process. While working as team members, students will apply leadership and organizational skills, relating to designing, producing, and maintaining a product. Emphasis is placed on quality control, codes and standards, and production systems. The course is contextual by design. The course connects what is being learned to the learner's current experience, past knowledge, and future conduct. Laboratory exercises provide active and cooperative learning opportunities. STEM initiative works well. **A $30 course fee is required. Students may be eligible for Dual Enrollment in this course. Please see below.**

PRINCIPLES OF MACHINING II

Grade Level: 12 **2 Credits / 2 Periods / Year Long**

Prerequisite(s): Principles of Machining I

Principles of Machining II is an advanced level contextual course that builds on the introductory skills learned in the entry-level manufacturing and machining courses, stressing the concepts and practices in a production environment supported by advanced machining and engineering facilities. Working with the course instructor and team members in a cooperative learning environment, students will design, produce, and maintain products defined by detailed technical specifications. Emphasis is placed on quality control, safety and engineering codes and standards, and production-grade machining systems, building on the learner's past knowledge, current experiences, and future conduct as a career machinist. Students will: 1) examine blueprints and specification drawings to plan and implement the manufacture of products; 2) machine parts to specifications using both manual and computer-controlled machine tools and 3) measure, examine, and test completed products to check for defects and conformity to specifications. **A $30 course fee is required. Students may be eligible for Dual Enrollment in this course. Please see below.**

Dual Enrollment is when a high school student receives credit at two institutions at the same time. At the high school level, the class is applied toward their high school diploma, while at Tennessee College of Applied Technology (TCAT), they are receiving hours toward their program certificate or diploma.

Eligibility for Dual Enrollment at TCAT:
- Students must maintain a cumulative grade average of 2.75 GPA to continue to meet eligibility requirements. Students who do not maintain the required grade average may be permitted to re-enroll at TCAT and will be required to pay the assessed tuition/fees.
- Students who do not meet Dual Enrollment grant eligibility requirements may still dual enroll, but they would be responsible for the tuition/fees.

DUAL ENROLLMENT COURSES

CAREER & TECHNICAL EDUCATION

Arts, A/V Technology & Communications

DIGITAL ARTS & DESIGN I

Grade Level: 10, 11 **1 Credit / Year Long**

Prerequisite(s): None

Digital Arts & Design I is a foundational course in the Arts, A/V Technology & Communications cluster for students interested in art and design professions. The primary aim of this course is to build a strong understanding of the principles and elements of design and the design process. Upon completion of this course, proficient students will be able to utilize industry tools to conceptualize and create communications solutions, which effectively reach targeted audiences. Students will acquire basic skills in illustration, typography, and photography. Standards in this course include career exploration, an overview of the history of design, basic business management, and legal issues. In addition, students will begin compiling artifacts for inclusion in a portfolio, which they will carry with them throughout the full sequence of courses in this program of study.

DIGITAL ARTS & DESIGN II

Grade Level: 11, 12 **1 Credit / Year Long**

Prerequisite(s): Digital Arts & Design I

National Industry Certification: OSHA 10

Digital Arts & Design II is a course that builds on the basic principles and design processes learned in the Digital Arts & Design I course. Upon completion of this course, proficient students will be able to perform advanced software operations to create photographs and illustrations of increasing complexity. Students will employ design principles and use industry software to create layouts for a variety of applications. Standards in this course also include an overview of art and design industries, career exploration, and business management. In addition, students compile artifacts for inclusion in a portfolio, which they will carry with them throughout the full sequence of courses in this program of study.

DIGITAL ARTS & DESIGN III / PRACTICUM

Grade Level: 12 **2 Credits / 2 Periods / Year Long**

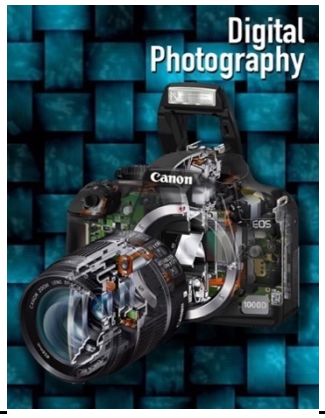
Prerequisite(s): Digital Arts & Design II

National Industry Certification: Adobe Certified Associate – Photoshop

Digital Arts & Design III is the third course in the Digital Arts & Design program of study. Applying design skills developed in prior courses, students will expand their creative and critical thinking skills to create comprehensive multimedia projects and three-dimensional designs. Upon completion of this course, proficient students will be able to use industry-standard software to create multimedia projects, web pages, three-dimensional models, and animations. Students will utilize research techniques to plan and enhance project outcomes. Standards in this course also include professionalism and ethics, career exploration, and business and project management. In addition, students compile artifacts for inclusion in a portfolio, which they will carry with them throughout the full sequence of courses in this program of study.









CAREER & TECHNICAL EDUCATION — Business Management & Administration — Finance

INTRODUCTION TO BUSINESS & MARKETING

Grade Level: 10, 11, 12 **½ Credit / 1 Semester**

Prerequisite(s): None

Introduction to Business & Marketing is designed to provide students with the basic understanding needed for intelligent interpretation of the needs of consumers for goods and services. Course content involves money and banking, budgeting, saving, credit, insurance, and investments. **Fee of $20 is required.**

STATEWIDE DUAL CREDIT (SDC) INTRODUCTION TO BUSINESS & MARKETING

Grade Level: 11, 12 **Course Weight:** 0.75 **½ Credit / 1 Semester**

Prerequisite(s):
- **Completed or enrolled in Computer Applications**
- **Completed or enrolled in Business Management**

Statewide Dual Credit Introduction to Business covers the scope and sequence of most introductory business courses. The course provides detailed explanations in the context of core themes such as customer satisfaction, ethics, entrepreneurship, global business, and managing change. Introduction to Business includes hundreds of current business examples from a range of industries and geographic locations, which feature a variety of individuals. The outcome is a balanced approach to the theory and application of business concepts, with attention to the knowledge and skills necessary for student success in this course and beyond. **Fee of $20 is required.**

BUSINESS MANAGEMENT

Grade Level: 10, 11, 12 **½ Credit / 1 Semester**

Prerequisite(s): None

Students in Business Management will develop a foundation in the many activities, problems, and decisions that are intrinsic to the management of a successful business, as well as an appreciation for the importance of these responsibilities. Areas to be examined include business organization, ethical and legal responsibilities, communication, decision-making, personnel, safety, professional development, and related careers. By gaining an understanding of these areas, students will be better prepared to enhance the business decisions of tomorrow. **Fee of $20 is required.**

COMPUTER APPLICATIONS

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): None

National Industry Certification: **Express Employment Professionals Bus. Office Technology Certification**

This course is designed to teach the student the latest computer programs available to the school. This includes Microsoft Office Suite, the Internet, Google Education, and the use of social media. **Fee of $20 is required.**

ACCOUNTING I

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): None

This course is designed to develop fundamental skills and theories. Students study accounting terms and concepts, business transactions and the accounting equation, journalizing using general and special journals, general and subsidiary ledgers, worksheets and financial statements, banking activities, payroll records, taxes, and adjusting and closing entries. **Fee for workbook is $30.**

ACCOUNTING II

Grade Level: 11, 12 **1 Credit / Year Long**

Prerequisite(s): Accounting I

This advanced accounting course expands on topics learned in the first-year course while adding new topics about management, departmentalized and corporation accounting. **Fee for workbook is $30.**

CAREER & TECHNICAL EDUCATION — Education & Training

PLEASE NOTE: Because this career cluster utilizes a preschool lab and is designed to accommodate and teach children from the community, high school students must complete an application, submit to an interview, and the high school student MAY NOT be associated with any disciplinary events in the previous school year. FURTHERMORE, a student may be withdrawn from the class if instances contrary to standards within the classroom in dealing with adults and children were to occur.

EARLY CHILDHOOD EDUCATION CAREERS I

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): Application – See BHS Website -> Main Campus -> Guidance –> Course Selection for 2023-24

This course prepares students for work in the area of child-care and guidance. This class is the introductory course for early childhood education and is conducted in a standard classroom setting. Students learn teaching methods, child development theories, and classroom management techniques before interacting with preschoolers.

EARLY CHILDHOOD EDUCATION CAREERS II

Grade Level: 11, 12 **1 Credit / Year Long**

Prerequisite(s):
- **Early Childhood Education I**
- **Application – See BHS Website -> Main Campus -> Guidance –> Course Selection for 2023-24**

Early Childhood Education Careers II allows students to continue the pathway in early childhood education. Content provides students the opportunities to apply child development theory, develop and implement learning activities for young children, and integrate knowledge, skills, and practices required for careers in early childhood education and related services. Students must have completed ECEC I and must complete and submit an application to be considered for the program.

Students who complete Early Childhood I and II with an "80" or above average will earn a TECTA certification. This means students are eligible for tuition support from TECTA for college coursework in the field of Early Childhood Education beginning their first year of college at any of the Tennessee Board of Regents (TBR) community colleges and universities.

EARLY CHILDHOOD EDUCATION CAREERS III

Grade Level: 12 **1 Credit / Year Long**

Prerequisite(s): Early Childhood Education II

National Industry Certification: CDA: Child Development Associate

Early Childhood Education Careers III is an applied knowledge course for students interested in learning more about careers involving children and related services. This course covers the components of the learning environment, planning age-appropriate activities, using activities for learning, and developing communication skills. Students in this course will participate in a work- based learning component of instruction and add work products to a course portfolio. This class will help with study and employability skills, which will prepare students for success at the postsecondary level and in their chosen careers.



CAREER & TECHNICAL EDUCATION

Health Science

HEALTH SCIENCE EDUCATION

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): None

Health Science Education is an introductory course designed to prepare students to pursue careers in the fields of biotechnology research, therapeutics, health informatics, diagnostics, and support services. Upon completion of this course, a student proficient in Health Science Education will be able to identify careers in these fields, compare and contrast the features of healthcare systems, explain the legal and ethical ramifications of the healthcare setting, and begin to perform foundational healthcare skills. This course will serve as a strong foundation for the Health Science programs of study.

HUMAN ANATOMY AND PHYSIOLOGY

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): Biology

Anatomy and Physiology is a study of the structure and function of the various systems of the human body. As a science elective, emphasis will be on the major systems and how they coordinate activities to maintain a healthy body. Please note: If this class is taken as part of the focus elective cluster, it may not be used as your 3rd science credit required for graduation.

DIAGNOSTIC MEDICINE

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): Health Science Education

Students learn to create a picture of an individual's health status at a single point in time. These skills can be applied to careers such as cardiology, imaging, medical laboratory, radiography, nuclear medicine, stereotactic radiological surgery, speech pathologists, respiratory therapist, clinical laboratory technician, pathologists, medical doctor, and others.

MEDICAL THERAPEUTICS

Grade Level: 11, 12 **1 Credit / Year Long**

Prerequisite(s): Health Science Education

Course explores the treatment procedures for various clinical and hospital situations, as well as managing patient care.

CLINICAL INTERNSHIP

Grade Level: 12 **1 Credit / Year Long**

Prerequisite(s):
- **Health Science Education**
- **Application – See BHS Website -> Main Campus -> Guidance –> Course Selection for 2023-24**

National Industry Certification:
- **CCMA: Certified Clinical Medical Assistant**
- **OSHA 10**

Clinical Internship is a capstone course and work-based learning experience. Prior to beginning work at a clinical site, students must be certified in Basic Life Support (BLS) Cardiopulmonary Resuscitation (CPR), and deemed competent in basic first aid, body mechanics, Standard Precaution guidelines, and confidentiality. **Only 15 students will be selected for this class.**



Last Updated: 2/24/23

CAREER & TECHNICAL EDUCATION

Hospitality & Tourism

CULINARY ARTS I

Grade Level: 10, 11 **1 Credit / Year Long**

Prerequisite(s): None

National Industry Certification: OSHA 10

Culinary Arts I is the first level of Culinary Arts and prepares students for gainful employment and/or entry into post-secondary education in the food production and service industry. Designed to introduce students to food preparation concepts, terminology, and practices in the modern commercial kitchen, the content provides students the opportunity to acquire marketable skills by examining both the industry and its career opportunities, as well as developing food preparation and interpersonal skills. Fundamental techniques and skills are taught with an emphasis on safety, sanitation, and proper equipment operation and maintenance. Laboratory facilities and experiences, which simulate commercial food production and service operations, offer school-based learning opportunities. Course is lecture based with limited labs. **Course fee of $50 is required.**

CULINARY ARTS II

Grade Level: 11, 12 **2 Credits / 2 Periods / Year Long**

Prerequisite(s):
- **Culinary Arts I**
- **Current Culinary Arts Teacher Recommendation**

National Industry Certification: AMSA Food Safety & Science Certification

Culinary Arts II is the second level of Culinary Arts and prepares students for gainful employment and/or entry into post-secondary education in the food production and service industry. Content provides students the opportunity to acquire marketable skills by demonstrating the principles of safety and sanitation, food preparation skills, and teamwork to manage an environment conducive to quality food production and service operations. Laboratory facilities and experiences, which simulate commercial food production and service operations, offer school-based learning and work-based learning opportunities. Course is lab concentrated. **Course fee of $100 is required. Students may be eligible for Dual Enrollment in this course. Please see below.**

CULINARY ARTS III

Grade Level: 12 **2 Credits / 2 Periods / Year Long**

Prerequisite(s):
- **Culinary Arts II**
- **Current Culinary Arts Teacher Recommendation**

National Industry Certification: ServSafe Food Handler

Culinary Arts III is the third level of Culinary Arts. It prepares students for gainful employment and/or entry into post-secondary education in the food production and service industry. Content provides students the opportunity to apply the marketable culinary arts skills they have acquired by assuming increasingly responsible positions including participation in a cooperative education experience. **Course fee of $100 is required. Students may be eligible for Dual Enrollment in this course. Please see below.**

Students may be eligible for Dual Enrollment (see page 12) through the University of Memphis. Eligibiity will be determined during the first semester.

THE UNIVERSITY OF MEMPHIS

COURSE DESCRIPTION FROM UNIVERSITY OF MEMPHIS CATALOG:

- HPRM 2012 – Introduction to Culinary Arts: This course will provide the student with a cursory understanding of fundamental culinary theory and techniques, buy exposing the student to the basic principles of culinary arts. The primary goal of this class is to acquire the culinary skills needed for success in a career as a food service professional. Skills practiced will include basic kitchen safety and sanitation, knife skills, stock production, soups, sauces, breakfast cooking, and fresh pasta. The course also provides an overview of basic culinary units of measure, culinary history, and professionalism in the culinary industry.

CAREER & TECHNICAL EDUCATION

Human Services

INTRODUCTION TO HUMAN STUDIES

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): None

Introduction to Human Studies is a foundational course for students interested in becoming a public advocate, social worker, dietician, nutritionist, counselor, or community volunteer. This course covers the human needs, overview of social services, career investigation, mental health, and communication. Artifacts will be created for inclusion in a portfolio, which will continue to build throughout the program of study.

LIFESPAN DEVELOPMENT

Grade Level: 11, 12 **1 Credit / Year Long**

Prerequisite(s): None

National Industry Certification: Southwest Airlines Professional Communication Certification

Lifespan Development builds basic knowledge in human growth and development. The course standards include developmental theory, principles of growth, behavior of children from conception through adolescence, adult development and aging, and death and dying. Artifacts will be created for inclusion in a portfolio, which will continue to build throughout the program of study.

NUTRITION ACROSS THE LIFESPAN

Grade Level: 10, 11, 12 **½ Credit / 1 Semester**

Prerequisite(s): None

Nutrition and Foods is a specialized course with emphasis on helping students understand the significance of food and principles of nutrition to health and well-being. The course offers the students opportunities to develop skills in the selection, preparation, storing, and serving of food, meal management to meet individual and family nutrition needs across the life span, and optimal use of food resources. Careers and occupations in nutrition and food industries will be explored. Participation in a career connection experience is encouraged. The integration of Family, Career and Community Leaders of America (FCCLA) provides students with opportunities for leadership development, personal growth, and school/community involvement. **Course fee of $25 is required.**

PSYCHOLOGY

Grade Level: 10, 11, 12 **½ Credit / 1 Semester**

Prerequisite(s): None

Psychology is a course that studies the science of individual behavior. Students investigate how and why people behave the way they do.

AP PSYCHOLOGY

Grade Level: 11, 12 **Course Weight:** 1.0 **½ Credit / 1 Semester**

Prerequisite(s):
- **90 or higher recommended in current Social Studies Honors or AP course**
- **AP Contract signed by student and parent**

This class is scheduled for 2nd Semester only. The Advanced Placement (AP) Psychology course introduces 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. Students also learn about the methods psychologists use in their science and practice. Students who take AP Psychology are required to take the AP exam in the spring. **A payment of $102.00 for the AP test is required by Sunday, October 15, 2023.**

SOCIOLOGY

Grade Level: 10, 11, 12 **½ ELECTIVE Credit / 1 Semester**

Prerequisite(s): None

The study of society and human interaction is covered and includes the historical development of sociology, research methods, and theoretical perspectives on human group interaction.

Last Updated: 2/24/23

CAREER & TECHNICAL EDUCATION

Human Services

COSMETOLOGY I

Grade Level: 10, 11 **1 Credit / Year Long**

Prerequisite(s): None

This course, which is the first level of cosmetology, prepares students with work-related skills in the Cosmetology I course. Content provides students the opportunity to acquire basic fundamental skills in theory and some practical applications. Content stresses safety, environmental issues, and protection of the public and designers as integrated with principles of hair design, nail structure, and cosmetic procedures. Laboratory facilities and experiences simulate those found in the cosmetology industry. **A fee of approximately $220 is required to purchase the cosmetology kit and supplies.**

COSMETOLOGY II

Grade Level: 11, 12 **2 Credits / 2 Periods / Year Long**

Prerequisite(s): Cosmetology I

This course, which is the second level of cosmetology, prepares the student for work-related skills in the Cosmetology II course. Content provides students the opportunity to acquire knowledge and skills in both theory and practical application. Advanced knowledge and skills in hair design, nail artistry, and cosmetic applications will be enhanced in a laboratory setting, which duplicates cosmetology industry standards.

COSMETOLOGY III

Grade Level: 12 **2 Credits / 2 Periods / Year Long**

Prerequisite(s): Cosmetology II with a "C" or better grade

National Industry Certification: OSHA 10

This course, which is the advanced level of cosmetology, prepares students to perform work-related services using chemicals in the cosmetology industry. Content provides students the opportunity to acquire foundation skills in both theory and practical applications. Laboratory facilities and experiences will be used to simulate cosmetology work experiences. **Upon completion and acquisition of 1,500 hours, students are eligible to take the Tennessee State Board of Cosmetology examination for a Tennessee Cosmetology License.**



Last Updated: 2/24/23

CAREER & TECHNICAL EDUCATION

Information Technology

INFORMATION TECHNOLOGY

COMPUTER SCIENCE FOUNDATIONS

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): None

This course is intended to provide students with exposure to various information technology occupations and pathways such as Computer Science and Web Design. Upon completion of this course, proficient students will be able to describe various information technology (IT) occupations and professional organizations. Moreover, they will also demonstrate an understanding of project management and teamwork, client relations, the web design and software development process, and writing styles appropriate for web publication. Students will be introduced to both programming and markup languages, including HTML, CSS, Javascript, and Python. **Course lab fee of $25 is required.**

WEB DESIGN FOUNDATIONS

Grade Level: 11, 12 **1 Credit / Year Long**

Prerequisite(s): Computer Science Foundations

This course prepares students with work-related web design skills for advancement into postsecondary education and industry. Students will develop introductory coding skills and learn basic design principles as they apply to web design. The course is intended to develop fundamental skills in both theory and practical application of the basic web design and development process, project management and teamwork, troubleshooting and problem solving, and interpersonal skill development. Laboratory facilities and experiences simulate those found in the web design and development industry; where interaction with a "client" is indicated in the standards, it is expected that students' peers or the instructor may serve as mock clients in lieu of an actual relationship with an industry partner. **Course lab fee of $25 is required.**

WEB SITE DEVELOPMENT

Grade Level: 12 **1 Credit / Year Long**

Prerequisite(s): Web Design Foundations

This course builds on the skills and knowledge gained in Web Design Foundations to further prepare students for success in the web design and development fields. Emphasis is placed on applying the design process toward projects of increasing sophistication, culminating in the production of a functional, static website. As students work toward this goal, they acquire key skills in coding, project management, basic troubleshooting and validation, and content development and analysis. Artifacts of the work completed in this course will be logged in a student portfolio demonstrating mastery of skills and knowledge. **Course lab fee of $25 is required.**

WEB DESIGN PRACTICUM

Grade Level: 12 **1 Credit / Year Long**

Prerequisite(s): Web Design Foundations

National Industry Certification: OSHA 10

This course is a capstone course intended to provide students with the opportunity to apply the skills and knowledge learned in previous Web Design courses toward the completion of an in-depth project with fellow team members. Students who have progressed to this level in the Web Design program of study take on more responsibilities for producing independent work and managing processes involved in the planning, designing, refinement, and launch of a website. In addition to developing an understanding of the professional and ethical issues encountered by web design professionals in the workplace, students learn to refine their skills in problem solving, troubleshooting, teamwork, marketing and analytics, and project management. Upon completion of the practicum, proficient students will be prepared for postsecondary study and career advancement in web design. **Course lab fee of $25 is required.**

CAREER & TECHNICAL EDUCATION

Information Technology

INFORMATION TECHNOLOGY

CODING I

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): None

Coding I is a course intended to teach students the basics of computer coding using the latest innovative software to create 2D and 3D graphical projects, animations, stories, games, and apps.

CODING II

Grade Level: 11, 12 **1 Credit / Year Long**

Prerequisite(s): Coding I

Coding II challenges students to develop advanced skills in problem analysis, construction of algorithms, and computer implementation of algorithms as they work on programming projects of increased complexity. Course content is reinforced through numerous short- and long-term programming projects, accomplished both individually and in small groups. These projects are meant to hone the discipline and logical thinking skills necessary to craft error-free syntax for the writing and testing of programs. Upon completion of this course, proficient students will demonstrate an understanding of object-oriented programming language using high-level languages such as FOCUS, Python, or SAS.

CODING PRACTICUM (CODING III)

Grade Level: 12 **1 Credit / Year Long**

Prerequisite(s): Coding II

National Industry Certification: OSHA 10

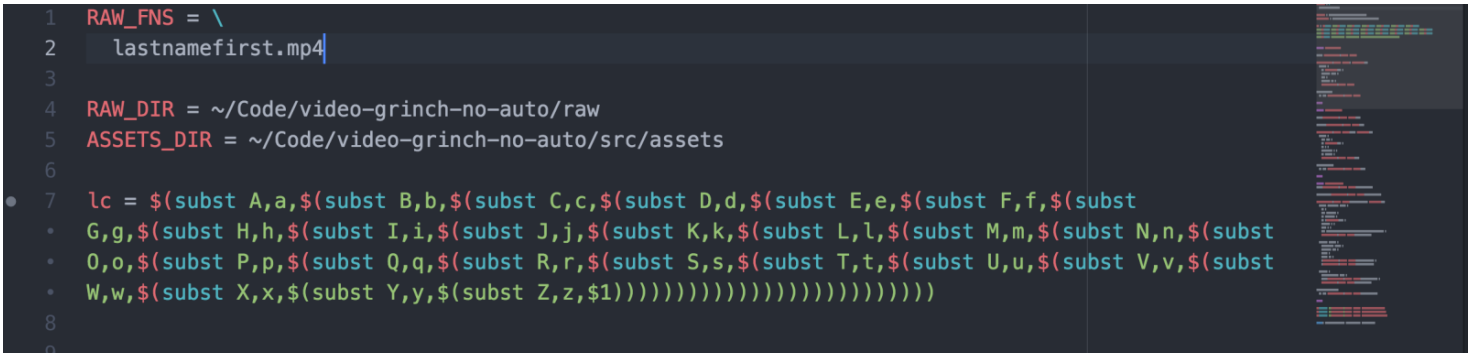
Coding Practicum is a capstone course intended to provide students with the opportunity to apply the skills and knowledge learned in previous Coding courses toward the completion of an in-depth project with fellow team members. Students who have progressed to this level in the program of study take on more responsibilities for producing independent work and managing processes involved in the planning, designing, refinement, and production of original software applications. The course is designed to allow students to choose their specific application of interest, be it the development of a mobile application (app), an animation package, a game or other educational tool, or any other approved program that requires coding and development skills. Upon completion of the practicum, proficient students will be prepared for postsecondary study and career advancement in programming and software development, and will be equipped to market their finished product should they choose.

Students may be eligible for Dual Enrollment (see page 12) through the University of Memphis. Eligibiity will be determined during the first semester.

THE UNIVERSITY OF MEMPHIS

COURSE DESCRIPTION FROM UNIVERSITY OF MEMPHIS CATALOG:

◆ UNIV 1500 - Career Skill Build/Workforce: Basic skill and knowledge needed for the development of personal career goals, communication skills, teamwork, and employment success.



CAREER & TECHNICAL EDUCATION

Information Technology

INFORMATION TECHNOLOGY

AP COMPUTER SCIENCE PRINCIPLES

Grade Level: 11, 12 **Course Weight:** 1.0 **1 Credit / Year Long**

Prerequisite(s):
- **90 or higher recommended in current Math course**
- **AP Contract signed student and parent**

Advanced Placement (AP) Computer Science Principles is designed to be equivalent to a first-semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course is unique in its focus on fostering student creativity. Students are encouraged to apply creative processes when developing computational artifacts and think creatively while using computer software and other technology to explore questions that interest them. They will also develop effective communication and collaboration skills, working individually and in a group to solve problems, and discussing and writing about the importance of these problems and the impacts to their community, society, and the world. Students who take AP Computer Science Principles are required to take the AP exam in the spring. **A payment of $102.00 for the AP test is required by Sunday, October 15, 2023.**

CYBERSECURITY I

Grade Level: 11, 12 **1 Credit / Year Long**

Prerequisite(s): None

National Industry Certification: Express Employment Professionals Business Office Technology Certification

Cybersecurity I is a course intended to teach students the basic concepts of cybersecurity. The course places an emphasis on security integration, application of cybersecurity practices and devices, ethics, and best practices management. The fundamental skills in this course cover both in house and external threats to network security and design, how to enforce network level security policies, and how to safeguard an organization's information. Upon completion of this course, proficient students will demonstrate and understanding of cybersecurity concepts, identify fundamental principles of networking systems, understand network infrastructure and network security, and how to implement various aspects of security within a networking system.



CAREER & TECHNICAL EDUCATION

Law, Public Safety, Corrections & Security

LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

CRIMINAL JUSTICE I

Grade Level: 10, 11 **1 Credit / Year Long**

Prerequisite(s): None

Criminal Justice I is the second course in *Law Enforcement Services* and the *Legal and Correctional Services* programs of study. It serves as a comprehensive survey of how the law enforcement, legal, and correctional systems interact with each other in the United States. Current issues will be researched in the context of local, state, and federal laws. Investigative skills will be developed in the areas of drug use, incident documentation, and basic crime scene investigation. Additionally, upon completion of the course, students will understand the importance of communications and professionalism in law enforcement.

CRIMINAL JUSTICE II

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): Criminal Justice I

Criminal Justice II is an integrated survey of the law and justice systems for students interested in pursuing careers in law enforcement and legal services. From initial crisis scenario management to arrest, transport, trial, and corrections, procedures and laws governing the application of justice in the United States are examined in detail, with special emphasis on the best practices and professional traits required of law enforcement and legal professionals. This course prepares students for advanced work in crime scene analysis and forensic science, and offers strong knowledge and skill preparation for postsecondary or career opportunities in associated fields.

STATEWIDE DUAL CREDIT (SDC) CRIMINAL JUSTICE II (Criminal Justice III)

Grade Level: 11, 12 **Course Weight:** 0.75 **1 Credit / Year Long**

Prerequisite(s): Criminal Justice II

DUAL CREDIT

Statewide Dual Credit Criminal Justice is the final course designed to equip students with the knowledge and skills to be successful in the science of criminal investigations. Students will learn terminology and investigation skills related to crime scenes, aspects of criminal behavior, and applications of the scientific inquiry to solve crimes. By utilizing the scientific inquiry method, students will obtain and analyze evidence through simulated crime scenes and evaluation of case studies. Upon completion of this course, proficient students will be able to identify careers in forensic science and criminology, summarize the laws that govern the application of forensic science, and draw key connections between the history of the forensic science system and the modern legal system. Students will take an exam at the end of the year and those who meet the cut score on the culminating challenge exam earn credit that can be applied to any public postsecondary institution in the state.



Last Updated: 2/24/23

CAREER & TECHNICAL EDUCATION

Marketing, Sales & Service

MARKETING

INTRODUCTION TO BUSINESS & MARKETING

Grade Level: 10, 11, 12 **½ Credit / 1 Semester**

Prerequisite(s): None

Introduction to Business & Marketing is designed to provide students with the basic understanding needed for intelligent interpretation of the needs of consumers for goods and services. Course content involves money and banking, budgeting, saving, credit, insurance, and investments. Fee for course is $20.00.

MARKETING & MANAGEMENT I: PRINCIPLES

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): None

Marketing & Management I is composed of basic business activities including market research product and service planning, purchasing raw materials, and products for resale.

MARKETING & MANAGEMENT II: ADVANCED STRATEGIES

Grade Level: 11, 12 **1 Credit / Year Long**

Prerequisite(s): Marketing & Management I

National Industry Certification: Southwest Airlines Professional Communication Certification

This course is a study of marketing concepts and principles used in management. Students will examine challenges, responsibilities, and risks managers face in today's workplace. Subject matter includes finance, entrepreneurship, risk management, marketing information systems, purchasing, human resource skills, and leadership development.

ADVERTISING & PUBLIC RELATIONS

Grade Level: 11, 12 **½ Credit / 1 Semester**

Prerequisite(s): None

Advertising and Public Relations focuses on the concepts and strategies associated with the dynamic and changing means of communication in order to promote products, services, ideas, and/or images. This course encourages students to examine this field from the viewpoints of the creative staff, businessperson, and consumer.

ENTREPRENEURSHIP

Grade Level: 11, 12 **1 Credit / Year Long**

Prerequisite(s): None

National Industry Certification: Express Employment Professionals Business Office Technology Certification

The Entrepreneurship course will provide the high school student with the opportunity to analyze and evaluate the various aspects of business ownership in today's marketplace. The student will also be involved in the actual process of developing a business plan and determining its opportunities for success. Throughout this course, the student will relate the foundations of marketing and business management to real-life entrepreneurial endeavors.

Students may be eligible for Dual Enrollment (see page 12) through the University of Memphis. Eligibiity will be determined after course selection.

THE UNIVERSITY OF MEMPHIS

COURSE DESCRIPTION FROM UNIVERSITY OF MEMPHIS CATALOG:

◆ UNIV 2555 – Introduction to Creativity, Innovation and Design: In this intensive 3-credit course, students will be introduced to leading-edge concepts related to creativity, innovation, and design, and will apply these concepts to a real-world design challenge resulting in an innovative solution, but more importantly, it is where students learn that failure is the birthplace of brilliance. The centerpiece of the course is an intensive, field-based, hands-on workshop where all concepts are applied.

Last Updated: 2/24/23

CAREER & TECHNICAL EDUCATION



MECHATRONICS

PRE-MECHATRONICS: DIGITAL ELECTRONICS

Grade Level: 10 **1 Credit / Year Long**

Prerequisite(s): None

NEW COURSE!

Digital Electronics is intended to provide students with an introduction to the basic components of digital electronic systems and equip them with the ability to use these components to design more complex digital systems. Proficient students will be able to (1) describe basic functions of digital components (including gates, flip flops, counters, and other devices upon which larger systems are designed), (2) use these devices as building blocks to design larger, more complex circuits, (3) implement these circuits using programmable devices, and (4) effectively communicate designs and systems. Students develop additional skill in technical documentation when operating and troubleshooting circuits. Upon completion of the *Digital Electronics* course, proficient students will be able to design a complex digital system and communicate their designs through a variety of media.

CAREER & TECHNICAL EDUCATION

Science, Technology, Engineering & Mathematics

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

STEM I: FOUNDATION

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): Algebra I, Physical Science, currently enrolled in Biology, Geometry, and/or Algebra II

STEM I: Foundation is an introductory course in the STEM cluster for students interested in learning more about careers in science, technology, engineering, and mathematics. This course covers basic skills required for STEM fields of study.

STEM II: APPLICATIONS

Grade Level: 10, 11, 12 **1 Credit / Year Long**

Prerequisite(s): STEM I

STEM II: Applications is a project-based learning experience for students who wish to further explore the dynamic range of STEM fields introduced in STEM I: Foundations. Building on the content and critical thinking frameworks of STEM I, this course asks students to apply the scientific inquiry and engineering design processes to a course-long project selected by the instructor with the help of student input. Instructors design a project in one of two broad pathways (traditional sciences or engineering) that reflects the interest of the class as a whole. The students then apply the steps of the scientific inquiry or engineering design process taught throughout the course to ask questions, test hypotheses, model solutions, and communicate results. In some cases, instructors may be able to design hybrid projects that employ elements of both the scientific inquiry and the engineering design process. Upon completion of this course, proficient students will have a thorough understanding of how scientists and engineers research problems and methodically apply STEM knowledge and skills and they will be able to present and defend a scientific explanation and/or an engineering design solution to comprehensive STEM-related scenarios.

CAREER & TECHNICAL EDUCATION

Science, Technology, Engineering & Mathematics

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

STEM III: STEM IN CONTEXT

Grade Level: 11, 12 **1 Credit / Year Long**

Prerequisite(s): STEM II

STEM III: STEM in Context is an applied course in the STEM career cluster, which allows students to work in groups to solve a problem or answer a scientific question drawn from real-world scenarios within their schools or communities. This course builds on STEM I: Foundations and STEM II: Applications by applying scientific and engineering knowledge and skills to a team project. Proficient students will be able to effectively use skills such as project management, team communication, leadership, and decision-making. They will also be able to effectively transfer the teamwork skills from the classroom to a work setting.

STEM IV: STEM PRACTICUM

Grade Level: 12 **1 Credit / Year Long**

Prerequisite(s): STEM III

National Industry Certification: OSHA 10 General Industry

STEM IV: STEM Practicum is a capstone course intended to provide students with the opportunity to apply the skills and knowledge learned in previous STEM Education courses within a professional, working environment. In addition to developing an understanding of the professional and ethical issues encountered by STEM professionals in the workplace, students learn to refine their skills in problem solving, research, communication, data analysis, teamwork, and project management.

Students may be eligible for Dual Enrollment (see page 12) through the University of Memphis. Eligibiity will be determined during the first semester.

THE UNIVERSITY OF MEMPHIS

COURSE DESCRIPTION FROM UNIVERSITY OF MEMPHIS CATALOG:

- UNIV 1500 - Career Skill Build/Workforce: Basic skill and knowledge needed for the development of personal career goals, communication skills, teamwork, and employment success.

ENGINEERING DUAL ENROLLMENT: The University of Memphis ENGR 1009 and 1010

Grade Level: 12 **Course Weight:** 1.0 **1 Credit / Year Long**

Prerequisite(s):

- **Currently enrolled in Pre-Calculus (w/ a 27 on Math ACT), Pre-Calculus Honors (w/ a 24 on Math ACT), or AP Calculus (w/ a 24 on Math ACT)**
- **Dual Enrollment Contract signed by student and parent**
- **Admission to the University of Memphis**
- **100 admissions index score: 30 times the high school GPA (based on a 4.0 scale) plus the composite ACT score. Example: high school GPA of a 2.85 X 30 = 85.5 + 19 = 104.5**

This class allows the student the opportunity to gain hours toward a college degree and students will be deemed eligible through an application process. Students are required to purchase the textbook for first and second semesters. A graphing calculator is also required for this course. Additional fees may be required at teacher's discretion. 6 hours of college credit is possible with success and fee payment for both semesters.

THE UNIVERSITY OF MEMPHIS

COURSE DESCRIPTION FROM UNIVERSITY OF MEMPHIS CATALOG:

- ENGR 1009 - Prep Math for Engineering: Applications of algebra and trigonometry to engineering problems.
- ENGR 1010 - Engineering Problem Solving: Introduction to the methods of engineering problem solving. Application of mathematical concepts to solve engineering problems.

CAREER & TECHNICAL EDUCATION

Transportation, Distribution & Logistics

TRANSPORTION, DISTRIBUTION & LOGISTICS

MAINTENANCE AND LIGHT REPAIR I

Grade Level: 10, 11 **1 Credit / Year Long**

Prerequisite(s): None

Maintenance and Light Repair I prepares students for entry into all subsequent transportation courses. Students explore career opportunities and requirements of a professional service technician. Content emphasizes beginning transportation service skills and workplace success. Students study safety, tools, equipment, shop operations, and basic technical skills. **A $30 course fee is required.**

MAINTENANCE AND LIGHT REPAIR II

Grade Level: 11, 12 **2 Credits / 2 Periods / Year Long**

Prerequisite(s): Maintenance and Light Repair I

Maintenance and Light Repair II is a course that prepares students for entry-level positions or advanced training in automotive electrical and electronics systems. Students apply principles of electronics to automotive technology and develop diagnostic skills. Course content provides the student the opportunity to acquire marketable skills by training in the use of digital and analog voltmeters, ohmmeters, and amp-meters, as well as oscilloscopes, test-lights, load- testers, and specialized electrical test equipment. Course materials cover the principles of automotive suspension/steering systems and four-wheeled suspension alignment. Course content provides the student the opportunity to acquire marketable skills by training in wheel alignment and the testing, diagnosis, and repair of steering and suspension systems. **A $30 course fee is required.**

MAINTENANCE AND LIGHT REPAIR III

Grade Level: 12 **2 Credits / 2 Periods / Year Long**

Prerequisite(s): Maintenance and Light Repair II

National Industry Certification: Automotive Service Excellence Student Certification

Maintenance and Light Repair III offers training in the diagnosis and repair of hydraulic, mechanical, and electrical systems used in standard and antilock brakes systems. Course content includes diagnosis, repair, and/or service technology of hydraulic and antilock brake systems to original equipment manufacturer (OEM) specifications. Lab facilities and experiences simulate automotive service industry operations through the use of training aids and modules and school-based learning opportunities. This course prepares students for entry-level positions or advances training in engine performance. The course covers electronic ignition and distributor ignition systems, fuel management, exhaust emission control, and computer input and output signals and will identify the different types of sensors used by automotive engine computers. Students will perform inspections, tests, and measurements for diagnosis and perform needed repairs. **A $30 course fee is required.**






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