

## WINSTON CHURCHILL HIGH SCHOOL 2020-2021 COURSE BULLETIN

NOTE: The information in this publication is accurate as of December 10, 2019. The most up-to-date information is found on Winston Churchill High School's webpage in the Counseling section.

## TABLE OF CONTENTS

## GENERAL INFORMATION

## PAGE CONTENT

5 Administrative/Counseling/Resource Teacher Contact Information
7 Course Offerings Abbreviations Key
9 Maryland Diploma Requirements

## COURSE OFFERINGS

## PAGE CONTENT

11 English Language Arts Course Offerings
13 Mathematics Course Offerings
15 Science Course Offerings
16 Social Studies Course Offerings
18 World Languages Course Offerings
21 Fine Arts Course Offerings (Music, Theater, Art History, \& Visual Arts)
26 Health Course Offerings
27 Physical Education Course Offerings
28 Computer Science Course Offerings
29 Career \& Technology Education (CTE): Internship Programs \& Programs of Study (POS) Offerings

- Applied Educational Leadership (AEL) Program
- Career Internship Program
- Broadcast Media POS
- Business Administration POS
- College/Career Research and Development POS
- Computer Programming POS

34 Academic Support: ARS, Bridge, LAD, \& Resource Course Offerings
36 English for Speakers of Other Languages (ESOL)
37 Dual Enrollment at Montgomery College

This Course Offerings Booklet is a supplement to the MCPS Course Bulletin located on MCPS's website: http://coursebulletin.montgomeryschoolsmd.org/.

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## COURSE OFFERINGS KEY

This key is designed to help clarify the information about Montgomery County Public School requirements in the courses that are offered at Winston Churchill High School.

## Pre-requisite (P); Co-requisite (C):

MCPS course requirements. In general, the first semester of a course is a prerequisite for second semester.

## Double Period (DP):

Courses that require two periods, instead of the normal single period

## Triple Period (TP):

Courses that require three periods, instead of the normal single period

## Honors (H) Courses:

Provide expectations and opportunities for students to engage in more rigorous and complex content and processes and to develop authentic products that reflect the student's understanding of key concepts. These courses have the designated " H " in the beginning of the title.

## Advanced-Level (AL) Courses:

Based on previous achievement in sequence of study. Includes appropriate adaptations for enriched learning for pursuing in-depth studies that require abstract and higher-order thinking skills. These courses have the designated "AL" in parenthesis next to the course title.

## Advanced Placement (AP) Courses:

Meets College Board guidelines to accompany the Advanced Placements Examinations. A qualifying score on an AP exam may earn the student college credit or advanced standing in the subject in college. These courses have the designated "AP" in the beginning of the title.

## Technology Education (TE) Courses:

To satisfy MSDE high school graduation requirements, students are required to take a state-approved technology courses. MCPS technology education courses that meet this requirement are designated "TE" in parentheses next to the title.

## Fine Art (FA) Courses:

To satisfy the fine arts requirement selected courses in art, dance, drama/theater, and music will be designated "FA" next to the course title.

## Course Descriptions:

Full course descriptions can be found on the MCPS Course Bulletin website. For additional questions about the contents of a course, contact the department's Resource Teacher.

## Maryland Diploma Requirements

NOTE: The graduation requirements referenced in this publication are specific for students with a first year of ninth grade in 2019-20 (typically the class of 2023). Depending on a student's first year in ninth grade, graduation requirements may vary. For specific information about graduation requirements, contact your school counselor or the Montgomery County Public Schools website.

| MCPS GRADUATION REQUIREMENTS AT A GLANCE |  |  |  |
| :---: | :---: | :---: | :---: |
| English | 4 credits |  |  |
| Fine Arts | 1 credit Selected courses in art, dance, drama/theatre, and music that satisfy the fine arts requirementare designated FA |  |  |
| Health Education | 0.5 credit |  |  |
| Mathematics | 4 credits 1 full year (A/B) algebra credit and 1 geometry credit required. |  |  |
| Physical Education | 1 credit |  |  |
| Science | 3 Next Generation Science (NGSS) credits, including at least 1 life science credit (BC) and 1 physical science credit (PC). |  |  |
| Social Studies | 3 credits.Includes 1U.S. History credit; 1 World History credit; and 1 National, State, and Local (NSL) Government credit |  |  |
| Technology Education (TE) | 1 credit designated TE. Advanced Technology (AT) courses do not satisfy the TE course requirement. |  |  |
|  | OPTION 1 | OPTION 2 | OPTION 3 |
| Theadditional credits required for graduation may be fulfilled by one of the following three options | 2 credits in a world language which may inlcude credits in American Sign Language AND <br> 2.5 credits in elective courses | 2 credits in advanced technology education (AT) AND 2.5 credits in elective courses. TE courses do not countas AT course credit. | Complete a state-approved Career and Technology Education Program of Study (POS) AND <br> 0.5 credit in electives courses |
| Student Service Learning (SSL) | 75 service-learning hours |  |  |
| MCAP | See below for more information about testing requirements. |  |  |


| MARYLAND HIGH SCHOOL COMPREHENSIVE PROGRAM (MCAP) |  |
| :--- | :--- |
| REQUIREMENTS, |  |
| The MHSA requirements are subject to change by the Maryland State Department of Education (MSDE). |  |

Up-to-date graduation requirements by class may be found at www.montgomeryschoolsmd.org/curriculum/ graduation-requirements.aspx

## ENGLISH LANGUAGE ARTS COURSE OFFERINGS

NOTE: The State of Maryland requires four credits of English for graduation. Those courses are outlined for you below in the "core course title" section.

| CORE COURSE SELECTIONS | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| :---: | :---: | :---: | :---: | :---: |
| H English 9A H English 9B | $\begin{aligned} & 9 \\ & 9 \end{aligned}$ | $\begin{aligned} & 1 \\ & 2 \end{aligned}$ | $\begin{aligned} & 131300 \\ & 131400 \end{aligned}$ |  |
| H English 10A H English 10B | $\begin{aligned} & 10 \\ & 10 \end{aligned}$ | $\begin{aligned} & 1 \\ & 2 \end{aligned}$ | $\begin{aligned} & 132300 \\ & 132400 \end{aligned}$ | (P) English 9 A/B |
| H English 11A <br> H English 11B <br> AP Lang/Composition A AP Lang/Composition B | $\begin{aligned} & 11 \\ & 11 \\ & 11 \\ & 11 \end{aligned}$ | $\begin{aligned} & 1 \\ & 2 \\ & 1 \\ & 2 \end{aligned}$ | $\begin{aligned} & 133300 \\ & 133400 \\ & \\ & 101500 \\ & 101600 \end{aligned}$ | (P) English $10 \mathrm{~A} / \mathrm{B}$ <br> (P) English $10 \mathrm{~A} / \mathrm{B}$ |
| H English 12A <br> H English 12B <br> AP Lit/Composition A AP Lit/Composition B | $\begin{aligned} & 12 \\ & 12 \\ & 12 \\ & 12 \end{aligned}$ | $\begin{aligned} & 1 \\ & 2 \\ & 1 \\ & 2 \end{aligned}$ | $\begin{aligned} & 134300 \\ & 134400 \\ & \\ & 101700 \\ & 101800 \end{aligned}$ | (P) English $11 \mathrm{~A} / \mathrm{B}$ <br> (P) English $11 \mathrm{~A} / \mathrm{B}$ |
| ELECTIVE COURSE SELECTIONS | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| Graphic Novel Literacy | 10-12 | $\begin{aligned} & 1 \\ & 2 \end{aligned}$ | $\begin{aligned} & 105434 \\ & 105435 \end{aligned}$ | May only be taken for one semester |
| Literature as Film | 10-12 | $\begin{aligned} & 1 \\ & 2 \end{aligned}$ | $\begin{aligned} & 690634 \\ & 690635 \end{aligned}$ | May only be taken for one semester |
| College Prep Literacy 1 College Prep Literacy 2 | $\begin{aligned} & 9-12 \\ & 9-12 \end{aligned}$ | $\begin{aligned} & 1 \\ & 2 \end{aligned}$ | $\begin{aligned} & 118800 \\ & 118900 \end{aligned}$ | Special Placement |

See next page for additional English Language Art course offerings.

## ENGLISH LANGUAGE ARTS COURSE OFFERINGS (cont.)

| NEWSPAPER |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| ELECTIVE COURSE SECTIONS | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| Journalism A | $9-12$ | 1 | 115036 |  |
| Journalism B | $9-12$ | 2 | 115136 |  |
| Techniques of Adv. Journalism (AL) | $10-12$ | 1 | 115236 | (P) Journalism A/B |
| Publications Editing \& Layout (AL) | $10-12$ | 2 | 115336 | (P) Journalism A/B |


| YEARBOOK |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| ELECTIVE COURSE TITLE | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| Journalism A | $9-12$ | 1 | 115037 |  |
| Journalism B | $9-12$ | 2 | 115137 |  |
| Techniques of Adv. Journalism (AL) | $10-12$ | 1 | 115237 | (P) Journalism A/B |
| Publications Editing \& Layout (AL) | $10-12$ | 2 | 115337 | (P) Journalism A/B |


| LITERARY MAGAZINE |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| ELECTIVE COURSE TITLE | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| Creative Writing A | $9-12$ | 1 | 113000 |  |
| Creative Writing B | $9-12$ | 2 | 113500 |  |
|  |  |  |  |  |
| Techniques of Adv. Journalism (AL) | $10-12$ | 1 | 115238 | (P) Creative Writing A/B |
| Publications Editing \& Layout (AL) | $10-12$ | 2 | 115338 | (P) Creative Writing A/B |

## MATHEMATICS COURSE OFFERINGS

NOTE: The State of Maryland requires four credits of mathematics for graduation. Of the four total credits, one credit must be an algebra credit and one credit must be a geometry credit. Additionally, students must be enrolled in a math course in each year of high school. This may result in students earning more than four credits in math.

| CORE COURSE SELECTIONS | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| :---: | :---: | :---: | :---: | :---: |
| Algebra 1A | 9-12 | 1 | 311100 |  |
| Algebra 1B | 9-12 | 2 | 311200 |  |
| Related Math A | 9-12 | 1 | 323100 | (C) Algebra $1 \mathrm{~A} / \mathrm{B}$ |
| Related Math B | 9-12 | 2 | 323200 |  |
| Geometry A | 9-12 | 1 | 320100 | (P) Algebra $1 \mathrm{~A} / \mathrm{B}$ |
| Geometry B | 9-12 | 2 | 320200 |  |
| H Geometry A | 9-12 | 1 | 320300 | (P) Algebra $1 \mathrm{~A} / \mathrm{B}$ |
| H Geometry B | 9-12 | 2 | 320400 |  |
| 2YR Algebra 2A | 9-11 | 1 | 331500 | (P) Algebra 1A/B \& Geometry A/B |
| 2YR Algebra 2B | 9-11 | 2 | 331600 |  |
| 2 YR Algebra 2C | 10-12 | 1 | 331700 | (P) 2 YR Algebra $2 \mathrm{~A} / \mathrm{B}$ |
| 2 YR Algebra 2D | 10-12 | 2 | 331800 |  |
| Algebra 2A | 9-12 | 1 | 330100 | (P) Algebra 1A/B \& Geometry A/B |
| Algebra 2B | 9-12 | 2 | 330200 |  |
| H Algebra 2A | 9-12 | 1 | 331000 | (P) Algebra 1A/B \& Geometry A/B |
| H Algebra 2B | 9-12 | 2 | 331100 |  |
| Precalculus A | 9-12 | 1 | 348900 | (P) Algebra $2 \mathrm{~A} / \mathrm{B}$ |
| Precalculus B | 9-12 | 2 | 349000 |  |
| H Precalculus A | 9-12 | 1 | 335000 | (P) Algebra $2 \mathrm{~A} / \mathrm{B}$ |
| H Precalculus B | 9-12 | 2 | 335100 |  |
| Calculus w/ Applications A (AL) | 9-12 | 1 | 335600 | (P) Precalculus $A / B$ |
| Calculus w/ Applications B (AL) | 9-12 | 2 | 335700 |  |
| AP AB Calculus A | 9-12 | 1 | 345200 | (P) Precalculus A/B |
| AP AB Calculus B | 9-12 | 2 | 345300 |  |
| AP BC Calculus A | 9-12 | 1 | 349100 | (P) Precalculus $A / B$ |
| AP BC Calculus B | 9-12 | 2 | 349200 |  |
| Multivariable Calculus/DE A (AL) | 10-12 | 1 | 304800 | (P) AP BC Calculus A/B |
| Multivariable Calculus/DE B (AL) | 10-12 | 2 | 304900 |  |
| Multivariable Calculus/DE A (AL) | 10-12 | 1 | 304836 | (P) AP AB Calculus A/B |
| AP BC Calculus B | 10-12 | 2 | 349236 |  |

See next page for additional math course offerings.

MATHEMATICS COURSE OFFERINGS (cont.)

| CORE COURSE SELECTIONS | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| :---: | :---: | :---: | :---: | :---: |
| Quantitative Literacy A | 12 | 1 | 312100 | (P) Algebra 2 A/B |
| Quantitative Literacy B | 12 | 2 | 312200 |  |
| Intro to Statistics A | 11-12 | 1 | 332600 |  |
| Intro to Statistics B | 11-12 | 2 | 332700 |  |
| AP Statistics A | 11-12 | 1 | 332000 |  |
| AP Statistics B | 11-12 | 2 | 332100 |  |
| Statistics \& Mathematical Modeling A | 11-12 | 1 | 332200 | (C) Algebra $2 \mathrm{~A} / \mathrm{B}$ |
| Statistics \& Mathematical Modeling B | 11-12 | 2 | 332300 |  |
| Linear Algebra | 12 | 1 | 342600 | (P) Multivariable Calculus $A / B$ |
| Complex Analysis | 12 | 2 | 342800 |  |
| ELECTIVE COURSE SELECTIONS | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| Accounting A | 10-12 | 1 | 411100 |  |
| Accounting B | 10-12 | 2 | 411200 |  |
| Advanced Accounting A | 11-12 | 1 | 411300 |  |
| Advanced Accounting B | 11-12 | 2 | 411400 |  |

## SCIENCE COURSE OFFERINGS

NOTE: The State of Maryland requires three credits of science for graduation. Of the three total credits, one credit must be a biology credit, and one credit must be a physical science credit. The school recommends all students take biology, chemistry, and physics. This will most effectively provide students with a well-rounded science experience, prepare students for the Maryland Integrated Science Assessment (MISA), and meet the Maryland graduation requirements.

| CORE COURSE SELECTIONS | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| :---: | :---: | :---: | :---: | :---: |
| H Biology A H Biology B | $\begin{aligned} & 9-12 \\ & 9-12 \end{aligned}$ | $\begin{aligned} & 1 \\ & 2 \end{aligned}$ | $\begin{aligned} & 362100 \\ & 362200 \end{aligned}$ |  |
| Chemistry A Chemistry B <br> H Chemistry A <br> H Chemistry B | $\begin{aligned} & 10-12 \\ & 10-12 \\ & 10-12 \\ & 10-12 \end{aligned}$ | $\begin{aligned} & 1 \\ & 2 \\ & 1 \\ & 2 \end{aligned}$ | $\begin{aligned} & 372100 \\ & 372200 \\ & 371100 \\ & 371200 \end{aligned}$ | (P) Algebra 1 A/B; (C) Geometry A/B <br> (P) Algebra 1 A/B; (C) Geometry A/B |
| H Physics A H Physics B <br> AP Physics 1A AP Physics 1B | $\begin{aligned} & 10-12 \\ & 10-12 \\ & 10-12 \\ & 10-12 \end{aligned}$ | $\begin{aligned} & 1 \\ & 2 \\ & 1 \\ & 2 \end{aligned}$ | $\begin{aligned} & 382100 \\ & 382200 \\ & \\ & 389100 \\ & 389200 \end{aligned}$ | (C) Geometry $\mathrm{A} / \mathrm{B}$ <br> (P) Geometry A/B, (C) Algebra $2 \mathrm{~A} / \mathrm{B}$ |
| ELECTIVE COURSE SELECTIONS | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| Forensic Science A (AL) | 11-12 | 1 | 386400 | (P) Biology $A / B$ \& Chemistry $A / B$, or |
| Forensic Science B (AL) | 11-12 | 2 | 386500 | Physics A/B |
| AP Chemistry A DP | 11-12 | 1 | 375100 | (P) Chemistry A/B, Algebra $2 \mathrm{~A} / \mathrm{B}$ |
| AP Chemistry B DP | 11-12 | 2 | 375200 |  |
| AP Biology A DP | 11-12 | 1 | 365100 | (P) Biology A/B, (C) Chemistry A/B |
| AP Biology B DP | 11-12 | 2 | 365200 |  |
| AP Environmental Science A | 11-12 | 1 | 365900 | (P) Biology $\mathrm{A} / \mathrm{B},(\mathrm{C})$ Chemistry $\mathrm{A} / \mathrm{B}$ |
| AP Environmental Science B | 11-12 | 2 | 366000 |  |
| Anatomy \& Physiology A (AL) | 11-12 | 1 | 376100 | (P) Biology A/B, (C) Chemistry A/B |
| Anatomy \& Physiology B (AL) | 11-12 | 2 | 376200 |  |
| Molecular Genetics A DP (AL) | 11-12 | 1 | 399700 | (P) Biology A/B, Chemistry A/B |
| Molecular Genetics B DP (AL) | 11-12 | 2 | 399800 |  |
| AP Physics 2A | 11-12 | 1 | 389300 | (P) Physics 1A/B, (C) Precalculus A/B |
| AP Physics 2B | 11-12 | 2 | 389400 |  |
| AP Physics C A- Mechanics | 11-12 | 1 | 382900 | (P) Physics 1A/B, Precalculus A/B |
| AP Physics C B-Mechanics | 11-12 | 2 | 383000 |  |
| AP Physics C A-Electricity/Magnetism | 11-12 | 1 | 382700 | (P) Physics 1A/B, Precalculus A/B |
| AP Physics C A-Electricity/Magnetism | 11-12 | 2 | 382800 |  |

## SOCIAL STUDIES COURSE OFFERINGS

NOTE: The State of Maryland requires 3 credits of social studies for graduation. Of the three total credits, one credit must be a U.S. history credit, one credit must be a world history credit, and one credit must be a national, state, and local government credit.

| CORE COURSE SELECTIONS | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| :---: | :---: | :---: | :---: | :---: |
| H U.S. History A | 9-12 | 1 | 211100 |  |
| H U.S. History B | 9-12 | 2 | 211300 |  |
| AP U.S. History A | 9-12 | 1 | 211400 |  |
| AP U.S. History B | 9-12 | 2 | 212400 |  |
| H NSL Government A | 10-12 | 1 | 212700 |  |
| H NSL Government B | 10-12 | 2 | 212800 |  |
| AP NSL Government A | 10-12 | 1 | 210400 |  |
| AP NSL Government B | 10-12 | 2 | 210500 |  |
| H Modern World History A | 11-12 | 1 | 222300 |  |
| H Modern World History B | 11-12 | 2 | 222400 |  |
| AP World History A | 11-12 | 1 | 224000 |  |
| AP World History B | 11-12 | 2 | 224100 |  |
| ELECTIVE COURSE SELECTIONS | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| AP Comparative Government A | 11-12 | 1 | 213200 |  |
| AP Comparative Government B | 11-12 | 2 | 214500 |  |
| AP European History A | 11-12 | 1 | 221600 |  |
| AP European History B | 11-12 | 2 | 221700 |  |
| AP Psychology A | 11-12 | 1 | 233000 |  |
| AP Psychology B | 11-12 | 2 | 233100 |  |
| AP Human Geography A | 10-12 | 1 | 233200 |  |
| AP Human Geography B | 10-12 | 2 | 233300 |  |
| AP Microeconomics | 11-12 | 1 | 231600 |  |
| AP Macroeconomics | 11-12 | 2 | 231500 |  |
| H Cultural Anthropology A | 10-12 | 1 | 256100 | May be taken as full year or semester |
| H Cultural Anthropology B | 10-12 | 2 | 256200 | course |
| Global Issues in the $21{ }^{\text {st }}$ Century A | 10-12 | 1 | 234700 | May be taken as full year or semester |
| Global Issues in the $21{ }^{\text {st }}$ Century B | 10-12 | 2 | 234800 | course |
| Student Leadership A | 10-12 | 1 | 233900 | May be taken as full year or semester |
| Student Leadership B | 10-12 | 2 | 234000 | course |

See next page for additional social studies course offerings.

## Social Studies Course Offerings (cont.)

| ELECTIVE COURSE SELECTIONS | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| :--- | :---: | :---: | :---: | :--- |
| Law 1 | $10-12$ | 1 | 231234 | May only be taken for one semester |
|  | $10-12$ | 2 | 231235 |  |
| African American History | $10-12$ | 1 | 210334 | May only be taken for one semester |
|  | $10-12$ | 2 | 210335 |  |
| H Ancient History | $10-12$ | 1 | 255800 | May only be taken first semester |
| H Medieval History | $10-12$ | 2 | 255900 | May only be taken second semester |
| World Military History | $10-12$ | 1 | 221934 | May only be taken for one semester |
|  | $10-12$ | 2 | 221935 |  |
| Sociology 1 | $10-12$ | 1 | 230500 | May be taken as full year or semester |
| Sociology 2 | $10-12$ | 2 | 231400 | course |
| Research Project A (AL) | $11-12$ | 1 | 804100 | May be taken as full year or semester |
| Research Project B (AL) | $11-12$ | 2 | 804200 | course |
| Economics | $10-12$ | 1 | 230334 | May only be taken for one semester |
|  |  | 2 | 230335 |  |
| Personal Finance | $10-12$ | 1 | 415834 | May only be taken for one semester |
|  |  | 2 | 415835 |  |

## WORLD LANGUAGES COURSE OFFERINGS

| AMERICAN SIGN LANGUAGE (ASL) |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| ELECTIVE COURSE TITLE | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| American Sign Language 1A | $9-12$ | 1 | 159600 |  |
| American Sign Language 1B | $9-12$ | 2 | 159700 |  |
|  |  |  |  |  |
| American Sign Language 2A | $10-12$ | 1 | 159300 | (P) Level 1 ASL A/B |
| American Sign Language 2B | $10-12$ | 2 | 159400 |  |
|  |  |  |  |  |
| American Sign Language 3A | $11-12$ | 1 | 164000 | (P) Level 2 ASL A/B |
| American Sign Language 3B | $11-12$ | 2 | 164100 |  |


| FRENCH LANGUAGE |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| ELECTIVE COURSE TITLE | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| French 1A | $9-12$ | 1 | 161100 |  |
| French 1B | $9-12$ | 2 | 162100 |  |
| French 2A | $9-12$ | 1 | 161200 | (P) French 1 A/B |
| French 2B | $9-12$ | 2 | 162200 |  |
| H French 3A | $9-12$ | 1 | 163300 | (P) French 2 A/B |
| H French 3B | $9-12$ | 2 | 164300 |  |
| H French 4A | $9-12$ | 1 | 163400 | (P) French 3 A/B |
| H French 4B | $9-12$ | 2 | 164400 |  |
| French 5 A (AL) | $10-12$ | 1 | 161500 | (P) French 4 A/B |
| French 5 B (AL) | $10-12$ | 2 | 162500 |  |
| AP French LC A | $10-12$ | 1 | 163500 |  |
| AP French LC B | $10-12$ | 2 | 163600 |  |
| French 7 A (AL) | $10-12$ | 1 | 163100 |  |
| French 7 B (AL) | $10-12$ | 2 | 163200 |  |

See next page for additional world languages course offerings.

## WORLD LANGUAGES COURSE OFFERINGS (cont.)

| RUSSIAN LANGUAGE |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| ELECTIVE COURSE TITLE | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| Russian 1A | $9-12$ | 1 | 185100 |  |
| Russian 1B | $9-12$ | 2 | 185200 |  |
| Russian 2A | $10-12$ | 1 | 185300 | (P) Russian 1 A/B |
| Russian 2B | $10-12$ | 2 | 185400 |  |
| H Russian 3A | $10-12$ | 1 | 184600 | (P) Russian 2 A/B |
| H Russian 3B | $10-12$ | 2 | 184700 |  |
| H Russian 4A | $10-12$ | 1 | 184800 | (P) Russian 3 A/B |
| H Russian 4B | $10-12$ | 2 | 184900 |  |
| Russian 5A (AL) | $10-12$ | 1 | 185900 | (P) Russian 4 A/B |
| Russian 5B (AL) | $10-12$ | 2 | 186000 |  |


| CHINESE LANGUAGE |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| ELECTIVE COURSE TITLE | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| Chinese 1A | $9-12$ | 1 | 187100 |  |
| Chinese 1B | $9-12$ | 2 | 187200 |  |
| Chinese 2A | $9-12$ | 1 | 187300 | (P) Chinese 1 A/B |
| Chinese 2B | $9-12$ | 2 | 187400 |  |
| H Chinese 3A | $9-12$ | 1 | 192500 | (P) Chinese 2 A/B |
| H Chinese 3B | $9-12$ | 2 | 192600 |  |
| H Chinese 4A | $9-12$ | 1 | 192700 | (P) Chinese 3 A/B |
| H Chinese 4B | $9-12$ | 2 | 192800 |  |
| Chinese 5A (AL) | $10-12$ | 1 | 187900 | (P) Chinese 4 A/B |
| Chinese 5B (AL) | $10-12$ | 2 | 188000 |  |
| AP Chinese LC A | $11-12$ | 1 | 192900 |  |
| AP Chinese LC B | $11-12$ | 2 | 193000 |  |
| Chinese 7A | $11-12$ | 1 | 188600 |  |
| Chinese 7B | $11-12$ | 2 | 188700 |  |

See next page for additional world languages course offerings.

## WORLD LANGUAGES COURSE OFFERINGS (cont.)

| SPANISH LANGUAGE |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| ELECTIVE COURSE TITLE | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| Spanish 1A | $9-12$ | 1 | 171100 |  |
| Spanish 1B | $9-12$ | 2 | 172100 |  |
| Spanish 2A | $9-12$ | 1 | 171200 | (P) Spanish 1 A/B |
| Spanish 2B | $9-12$ | 2 | 172200 |  |
| H Spanish 3A | $9-12$ | 1 | 173300 | (P) Spanish 2 A/B |
| H Spanish 3B | $9-12$ | 2 | 174300 |  |
| H Spanish 4A | $9-12$ | 1 | 173400 | (P) Spanish 3 A/B |
| H Spanish 4B | $9-12$ | 2 | 174400 |  |
| Spanish 5A (AL) | $10-12$ | 1 | 171500 | (P) Spanish 4 A/B |
| Spanish 5B (AL) | $10-12$ | 2 | 172500 |  |
| AP Spanish LC A | $11-12$ | 1 | 175900 |  |
| AP Spanish LC B | $11-12$ | 2 | 176000 |  |
| AP Spanish Literature A | $11-12$ | 1 | 176100 |  |
| AP Spanish Literature B | $11-12$ | 2 | 176200 |  |

## FINE ARTS COURSE OFFERINGS

(Music, Theater, Art History, Visual Arts)

NOTE: The State of Maryland requires 1 credit of fine art for graduation. This can be a course in visual art, theater, or music. All courses offered by the fine arts department fulfill the Maryland state graduation requirement.

| GELECTIVE COURSE TITLE | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| :--- | :---: | :---: | :---: | :---: |
| Guitar A | $9-12$ | 1 | 658500 |  |
| Guitar B | $9-12$ | 2 | 658600 |  |
| HS Guitar 2A |  |  |  |  |
| HS Guitar 2B | $10-12$ | 1 | 659300 | (P) Guitar A/B |
| Piano 1A | $10-12$ | 2 | 659400 |  |
| Piano 1B | $9-12$ | 1 | 652000 |  |
| HS Piano 2A | $9-12$ | 2 | 652100 |  |
| HS Piano 2B | $10-12$ | 1 | 653700 | (P) Piano A/B |
| Music Theory \& Composition 1A | $10-12$ | 2 | 653800 |  |
| Music Theory \& Composition 1B | $9-12$ | 1 | 654500 |  |
| AP Music Theory \& Composition A | $9-12$ | 2 | 654600 |  |
| AP Music Theory \& Composition B | $9-12$ | 1 | 654700 |  |


| CHORAL MUSIC |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| ELECTIVE COURSE TITLE | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| Chorus 1A | $9-12$ | 1 | 671100 |  |
| Chorus 1B | $9-12$ | 2 | 671200 |  |
| Chorus 2A (AL) | $10-12$ | 1 | 672100 | (P) Chorus 1 A/B or Audition |
| Chorus 2B (AL) | $10-12$ | 2 | 672200 |  |
| Chorus 3A (AL) | $10-12$ | 1 | 673100 | (P) Chorus 2 A/B or Audition |
| Chorus 3B (AL) | $10-12$ | 2 | 673200 |  |
| Chamber Choir A (AL) | $10-12$ | 1 | 674100 | (P) Chorus 1 or Audition |
| Chamber Choir B (AL) | $10-12$ | 2 | 674200 |  |
| Show Choir A (AL) | $9-12$ | 1 | 674700 | (P) Audition |
| Show Choir B (AL) | $9-12$ | 2 | 674800 |  |

See next page for additional fine arts course offerings.

FINE ARTS COURSE OFFERINGS (cont.)

| INSTRUMENTAL MUSIC |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| ELECTIVE COURSE TITLE | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| Concert Orchestra A | 9-12 | 1 | 685100 | (P) Audition |
| Concert Orchestra B | 9-12 | 2 | 685200 |  |
| Symphonic Orchestra A (AL) | 9-12 | 1 | 686636 | (P) Concert Orchestra A/B or Audition |
| Symphonic Orchestra B (AL) | 9-12 | 2 | 686736 |  |
| Symphonic Orchestra A (AL) | 9-12 | 1 | 686637 | (P) Concert Orchestra A/B or Audition |
| Symphonic Orchestra B (AL) | 9-12 | 2 | 686737 |  |
| Symphonic Orchestra A (AL) | 9-12 | 1 | 686638 | (P) Concert Orchestra A/B or Audition |
| Symphonic Orchestra B (AL) | 9-12 | 2 | 686738 |  |
| Symphonic Orchestra A (AL) | 9-12 | 1 | 686639 | (P) Concert Orchestra A/B or Audition |
| Symphonic Orchestra B (AL) | 9-12 | 2 | 686739 |  |
| Concert Band A | 9-12 | 1 | 682100 | (P) Audition |
| Concert Band B | 9-12 | 2 | 682200 |  |
| Symphonic Band A (AL) | 9-12 | 1 | 682636 | (P) Concert Band A/B or Audition |
| Symphonic Band B (AL) | 9-12 | 2 | 682736 |  |
| Symphonic Band A (AL) | 9-12 | 1 | 682637 | (P) Concert Band A/B or Audition |
| Symphonic Band B (AL) | 9-12 | 2 | 682737 |  |
| Jazz Ensemble A (AL) | 9-12 | 1 | 687100 | (P) Audition |
| Jazz Ensemble B (AL) | 9-12 | 2 | 687200 |  |


| THEATER |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| ELECTIVE COURSE TITLE | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| Theater 1A | $9-12$ | 1 | 692600 |  |
| Theater 1B | $9-12$ | 2 | 692700 |  |
| Theater 2A (AL) | $10-12$ | 1 | 692800 | (P) Theater $1 \mathrm{~A} / \mathrm{B}$ |
| Theater 2B (AL) | $10-12$ | 2 | 692900 | (P) Theater $1 \mathrm{~A} / \mathrm{B}$ |
| Play Directing (AL) | $11-12$ | 1 | 691400 | (P) Theater $2 \mathrm{~A} / \mathrm{B}$ |
| Advanced Acting (AL) | $11-12$ | 2 | 691200 | (P) Theater $2 \mathrm{~A} / \mathrm{B}$ |

See next page for additional fine arts course offerings.

FINE ARTS COURSE OFFERINGS (cont.)

| ART HISTORY AND ARCHITECTURE |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| ELECTIVE COURSE TITLE | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| Art History A | $9-12$ | 1 | 645100 |  |
| Art History B | $9-12$ | 2 | 645200 |  |
| AP Art History A |  |  |  |  |
| AP Art History B | $9-12$ | 1 | 645600 |  |


| VISUAL ARTS - 2D STUDIO |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| ELECTIVE COURSE TITLE | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| Foundations of Art \& Culture A | $9-12$ | 1 | 605500 |  |
| Foundations of Art \& Culture B | $9-12$ | 2 | 605600 |  |
|  |  |  |  |  |
| 2D Studio Art 1A | $9-12$ | 1 | 635500 |  |
| 2D Studio Art 1B | $9-12$ | 2 | 635600 |  |
| Studio Art 2A (AL) | $10-12$ | 1 | 620500 | (P) 2D Studio Art A/B |
| Studio Art 2B (AL) | $10-12$ | 2 | 620600 |  |
| Studio Art 3A (AL) | $11-12$ | 1 | 630500 | (P) 2D Studio Art 2A/B |
| Studio Art 3B (AL) | $11-12$ | 2 | 630600 |  |
| Adv 2D Studio Art 4A (AL) | $11-12$ | 1 | 631300 | (P) 2D Studio Art 3A/B |
| Adv 2D Studio Art 4B (AL) | $11-12$ | 2 | 631400 |  |
| AP Studio 2D A | $11-12$ | 1 | 648636 | (P) 2D Studio Art 3A/B |
| AP Studio 2D B | $11-12$ | 2 | 647236 |  |
| AP Studio 2D DP | $11-12$ | 1 | 648734 | (P) 2D Studio Art 3A/B |
| AP Studio Art Drawing A | $11-12$ | 2 | 648735 |  |
| AP Studio Art Drawing B | $11-12$ | 1 | 648200 | (P) 2D Studio Art A/B |
| AP Studio Drawing DP | $11-12$ | 2 | 648300 |  |

See next page for additional fine arts course offerings.

FINE ARTS COURSE OFFERINGS (cont.)

| VISUAL ARTS - 3D STUDIO |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| ELECTIVE COURSE TITLE | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| Ceramics/Sculpture 1A | $9-12$ | 1 | 638100 |  |
| Ceramics/Sculpture 1B | $9-12$ | 2 | 639100 |  |
| Ceramics/Sculpture 2A (AL) | $10-12$ | 1 | 638300 | (P) Ceramics/Sculpture 1A/B |
| Ceramics/Sculpture 2B (AL) | $10-12$ | 2 | 639300 |  |
| Ceramics/Sculpture 3A (AL) | $11-12$ | 1 | 638500 | (P) Ceramics/Sculpture 2A/B |
| Ceramics/Sculpture 3B (AL) | $11-12$ | 2 | 638600 |  |
| Adv Ceramics Sculpture 4A (AL) | $11-12$ | 1 | 638700 | (P) Ceramics/Sculpture 3A/B |
| Adv Ceramics Sculpture 4B (AL) | $11-12$ | 2 | 638900 |  |
|  | $11-12$ | 1 | 648800 | (P) Ceramics/Sculpture 3A/B |
| AP Studio Art 3D A | $11-12$ | 2 | 647300 |  |
| AP Studio Art 3D B | $11-12$ | 1 | 648934 | (P) Ceramics/Sculpture 3A/B |
| AP Art 3D Des DP | $11-12$ | 2 | 648935 |  |
|  |  |  |  |  |


| VISUAL ARTS - FASHION DESIGN |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| ELECTIVE COURSE TITLE | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| Fashion Illustration 1A | $9-12$ | 1 | 611300 |  |
| Fashion Illustration 1B | $9-12$ | 2 | 611400 |  |
| Fashion Production 1A | $9-12$ | 1 | 611500 |  |
| Fashion Production 1B | $9-12$ | 2 | 611600 |  |
| Adv Fashion Illustration 2A (AL) | $10-12$ | 1 | 613000 | (P) Fashion Illustration 1A/B |
| Adv Fashion Illustration 2B (AL) | $10-12$ | 2 | 613100 |  |
|  |  |  |  | (P) Fashion Production 1A/B |
| Adv Fashion Production 2A (AL) | $10-12$ | 1 | 611700 | (AL) |


| VISUAL ARTS - DIGITAL ART |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| ELECTIVE COURSE TITLE | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| Digital Art 1A | $9-12$ | 1 | 649600 |  |
| Digital Art 1B | $9-12$ | 2 | 649700 |  |
| Digital Art 2A (AL) |  |  |  |  |
| Digital Art 2B (AL) | $10-12$ | 1 | 649800 | (P) Digital Art 1A/B |
|  | $10-12$ | 2 | 649900 |  |
| Digital Art 3A (AL) | $11-12$ | 1 | 647400 | (P) Digital Art 2A/B |
| Digital Art 3B (AL) | $11-12$ | 2 | 647500 |  |
| AP Studio 2D A | $11-12$ | 1 | 648637 | (P) Digital Art 3A/B |
| AP Studio 2D B | $11-12$ | 2 | 647237 |  |
| AP Art 2D Des DP | $11-12$ | 1 | 648734 | (P) Digital Art 3A/B |
|  | $11-12$ | 2 | 648735 |  |

See next page for additional fine arts course offerings.

FINE ARTS COURSE OFFERINGS (cont.)

| VISUAL ARTS - PHOTOGRAPHY |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| ELECTIVE COURSE TITLE | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| Photography 1A | $9-12$ | 1 | 634500 |  |
| Photography 1B | $9-12$ | 2 | 634600 |  |
| Photography 2A (AL) | $10-12$ | 1 | 634700 | (P) Photography 1A/B |
| Photography 2B (AL) | $10-12$ | 2 | 634800 |  |
| Adv Photography 3A (AL) | $11-12$ | 1 | 633600 | (P) Photography 2A/B |
| Adv Photography 3B (AL) | $11-12$ | 2 | 633700 |  |
| Adv Photography 4A (AL) | $11-12$ | 1 | 633800 | (P) Photography 3A/B |
| Adv Photography 4B (AL) | $11-12$ | 2 | 633900 |  |
| AP 2D Photography A | $11-12$ | 1 | 635100 | (P) Photography 3A/B |
| AP 2D Photography B | $11-12$ | 2 | 635200 |  |

## HEALTH COURSE OFFERINGS

NOTE: The State of Maryland requires .5 credits of health education for graduation.

| CORE COURSE SELECTIONS | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| :--- | :---: | :---: | :---: | :---: |
| H Health | 10 | 1 | 784134 | Only one semester allowed/required |
|  | 10 | 2 | 784135 | Only one semester allowed/required |

## PHYSICAL EDUCATION COURSE OFFERINGS

NOTE: The State of Maryland requires 1 credit of physical education for graduation. The school recommends that .5 of those credits are Foundations of Personal Fitness \& Sport.

| COURSE SELECTIONS | GR | SEM | CODE | DESCRIPTION |
| :---: | :---: | :---: | :---: | :---: |
| Foundations of Personal Fitness \& Sport 1 | 9 | 1 | 772000 | Interest in a varied selection of individual, team, |
| Foundations of Personal Fitness \& Sport 2 | 9 | 2 | 772100 | and personal development activities. |
| SPE - Fitness | 9-12 | 1 | 774534 | Interest in developing total body fitness through |
|  | 9-12 | 2 | 774535 | aerobic dance, yoga, \& Pilates. |
| SPE - Basketball | 9-12 | 1 | 774234 | Interest in developing skills to a higher level. |
|  | 9-12 | 2 | 774235 |  |
| SPE - Flag Football | 9-12 | 1 | 774634 | Interest in developing skills to a higher level. |
|  | 9-12 | 2 | 774635 |  |
| SPE - Soccer | 9-12 | 1 | 774834 | Interest in developing skills to a higher level. |
|  | 9-12 | 2 | 774835 |  |
| SPE - Volleyball | 9-12 | 1 | 775134 | Interest in developing skills to a higher level. |
|  | 9-12 | 2 | 775135 |  |
| SPE - Weight/Strength Training \& Conditioning | 9-12 | 1 | 775234 | Interest in developing body toning, muscular |
|  | 9-12 | 2 | 775235 | strength, \& conditioning. |
| SPE - Wrestling \& Conditioning | 9-12 | 1 | 775334 | Interest in grappling sports and improving fitness skills. |
| CPE - Net Sports | 9-12 | 1 | 773734 | Interest in tennis, badminton, table tennis, and |
|  | 9-12 | 2 | 773735 | pickleball. |
| CPE - Lifetime Sports | 9-12 | 1 | 773634 | Interest in developing lifetime fitness skills |
|  | 9-12 | 2 | 773635 | including yoga, body-toning, and leisure sports. |
| CPE - Team Sports | 10-12 | 1 | 773834 | Advanced skills and strategies in a variety of |
|  | 10-12 | 2 | 773835 | team sports. |
| SPE - Yoga/Stretching | 9-12 | 1 | 775434 | Yoga, meditation, stretching, and flexibility. |
|  | 9-12 | 2 | 775435 |  |
| Leadership Opportunities in P.E. | 10-12 | 1 | 770034 | Designed for students interested in pursuing |
|  | 10-12 | 2 | 770035 | physical therapy who will assist peers who have physical and learning disabilities. |

SPE = Specialty Physical Education
CPE $=$ Concentrated Physical Education

## CAREER \& TECHNOLOGY EDUCATION (CTE): COURSE OFFERINGS

NOTE: The State of Maryland requires 1 credit of technology for graduation. The only two courses offered that fulfill this requirement are Foundations of Computer Science and AP Computer Science Principles.

| CORE COURSE SELECTIONS | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| :---: | :---: | :---: | :---: | :---: |
| Foundations of Computer Science A (TE) | 9-12 | 1 | 291600 |  |
| Foundations of Computer Science B (TE) | 9-12 | 2 | 291700 |  |
| Foundations of Engineering \& Tech. A (TE) | 9-12 | 1 | 519100 |  |
| Foundations of Engineering \& Tech. B (TE) | 9-12 | 2 | 519200 |  |
| AP Computer Science Principles A (TE) | 9-12 | 1 | 291800 |  |
| AP Computer Science Principles B (TE) | 9-12 | 2 | 291900 |  |
| ELECTIVE COURSE SELECTIONS | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| Pre-Engineering A | 10-12 | 1 | 550400 |  |
| Pre-Engineering $B$ | 10-12 | 2 | 550500 |  |
| Website Development A | 10-12 | 1 | 518000 |  |
| Website Development B | 10-12 | 2 | 518100 | (P) Website Development A |
| Computer Programming 1A (AL) | 10-12 | 1 | 298900 | (C) Geometry A/B or H Geometry A/B |
| Computer Programming 1B (AL) | 10-12 | 2 | 299000 |  |
| AP Computer Science Java A | 10-12 | 1 | 290100 | (P) Computer Programming $1 \mathrm{~A} / \mathrm{B}$ or AP |
| AP Computer Science Java B | 10-12 | 2 | 290200 | Computer Science Principles A/B |
| Computer Programming 3 - Advanced Topics in Computer Science A (AL) | 11-12 | 1 | 296500 | (P) AP Computer Science Java A/B |
| Computer Programming 3 - Advanced Topics in Computer Science B (AL) | 11-12 | 2 | 296600 |  |

See the Computer Programing Program of Study (POS) section for more information.

## CAREER \& TECHNOLOGY EDUCATION (CTE): INTERNSHIP PROGRAMS \& PROGRAMS OF STUDY

| Applied Educational Leadership (AEL) Program |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| COURSE SELECTIONS | GRADES | SEM. | CODE | PREREQUISITE/COREQUISITE |
| App Edu Leadership A | $11-12$ | 1 | 810200 | Submit an application- see website |
| App Edu Leadership B | $11-12$ | 2 | 810300 |  |
|  |  |  |  |  |
| App Edu Leadership SSL A | $11-12$ | 1 | 810400 | Submit an application- see website |
| App Edu Leadership SSL B | $11-12$ | 2 | 810500 |  |


| Out of Building Career Internship Program |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| COURSE SELECTIONS | GRADES | SEM | CODE | PREREQUISITE/COREQUISITE |  |
| Internship A SP | $11-12$ | 1 | 781300 | See WCHS Internship Coordinator |  |
| Internship B SP | $11-12$ | 2 | 781600 |  |  |
| Internship A DP |  |  |  |  |  |
| Internship B DP | $11-12$ | 1 | 781800 | See WCHS Internship Coordinator |  |
|  | $11-12$ | 2 | 781900 |  |  |
| Internship A TP |  |  |  |  |  |
| Internship B TP | $11-12$ | 1 | 782200 | See WCHS Internship Coordinator |  |

## BROADCAST MEDIA PROGRAM OF STUDY

## About the Program

It is designed to teach students to develop public speaking personalities as well as their voices and articulation skills. Students might expand their public speaking performance and writing abilities. All programs give students the opportunity to gain practical experience of learned theories, through course projects or internships.

Is Media Broadcasting for You?

- Do you want to experience hands-on practice with actual equipment in a television studio?
- Do you want to blend scripting, film, music, audio, personalities and graphics into one project?
- Do you talk with everyone and interact with a diverse group of people?

| Broadcast Media Program of Study (POS) - 4 credits required |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| REQUIRED COURSEWORK | GRADES | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| Introduction to Interactive Media A | $9-12$ | 1 | 519500 |  |
| Introduction to Interactive Media B | $9-12$ | 2 | 519600 |  |
|  |  |  |  |  |
| Video Production A | $10-12$ | 1 | 517300 | (P) Introduction to Interactive Media A/B |
| Video Production B | $10-12$ | 2 | 517400 |  |
|  |  |  |  |  |
| Electronic Video Field Production A | $11-12$ | 1 | 517500 | (P) Video Production A/B |
| Electronic Video Field Production B | $11-12$ | 2 | 517600 |  |
| CAPSTONE SELECTIONS | GRADES | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| Internship Arts Media Education A | $11-12$ | 1 | 571734 | (P) All core courses in POS |
| Internship Arts Media Education B | $11-12$ | 2 | 571735 |  |
| Guided Research, Arts, Media \& Comm. | $11-12$ | 1 | 531000 | (P) All core courses in POS |
| Dual Enrollment | $11-12$ | 2 | 531100 |  |
|  |  |  | CE 0481 | (P) All core courses in POS |

## BUSINESS ADMINISTRATION PROGRAM OF STUDY

## About the Program

Business Administration incorporates various global executive management strategies that allow students to be empowered to innovate, imagine, and incorporate information technology skills. Additionally, students will develop organizational tools and teamwork initiatives to complete modern day projects. Students will participate in simulated management exercises that include business operations and decision making that move the classroom toward common goals and objectives.

## Is the Academy of Business Administration for You?

- Do you want to cross the boundaries of success, business, and life?
- Are you interested in being competitive and develop the entrepreneurship skills to be globally competitive?
- Are you creative and interested in designing the process for executive accounting management?
- Do you want to experience hands-on practice with business management?
- Do you survey the world of business and seek the technical aspects of broad areas of business?

| Business Administration Program of Study (POS) - 4 credits required |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| REQUIRED COURSEWORK | GRADES | SEM. | CODE | PRE-REQUISITE/CO-REQUISITE |
| Software Applications by Design A | $10-12$ | 1 | 290300 |  |
| Software Applications by Design B |  | 2 | 290400 |  |
| Adv. Software Applications by Design A | $10-12$ | 1 | 290500 |  |
| Adv. Software Applications by Design B |  | 2 | 290600 |  |
| Accounting A |  |  |  |  |
| Accounting B | $10-12$ | 1 | 411100 |  |
| Entrepreneurship \& Bus. Mgmt. 1A | $10-12$ | 1 | 545000 |  |
| Entrepreneurship \& Bus. Mgmt. 1B | $10-12$ | 2 | 545100 |  |

***Articulation Agreement: Earn three college credits at Montgomery College through the MCPS articulation agreement by earning a B or higher in the articulated courses and completing the entire high school plan.

## COLLEGE/CAREER RESEARCH AND DEVELOPMENT PROGRAM OF STUDY

## About the Program

College/Career Research and Development is a two-year program of study that prepares students with academic, technical, and workplace skills necessary to pursue future education and employment in a career field of their interest upon graduation from high school.

## Is College/Career Research and Development (CCRD) for You?

- Do you enjoy new opportunities to earn money for your future?
- Do you want real-world career experience in a field that interests you?
- Do you want to prepare yourself for college and a career?
- Do you want to develop skills that will help you to manage your personal finances?

| College/Career Research and Development Program of Study (POS) - 4 credits required |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| COURSE TITLE | GRADES | SEM. | CODE | PRE-REQUISITE/CO-REQUISITE |
| College/Career A | 10-12 | 1 | 809200 |  |
| College/Career B | 10-12 | 2 | 809300 |  |
| Career Seminar A | 11-12 | 1 | 806500 | (P) College/Career (C) Site Based DP A/B |
| Career Seminar B | 11-12 | 2 | 806600 |  |
| Site-Based Career Experience A DP | 11-12 | 1 | 544100 | (P) College/Career (C) Career Seminar A/B |
| Site-Based Career Experience B DP | 11-12 | 2 | 544200 |  |

## COMPUTER SCIENCE PROGRAM OF STUDY

## About the Program

This program helps to develop a student's computational and critical thinking skills and prepare them to create new technologies. This fundamental knowledge in Computer Science prepares them for the 21st century workplace, regardless of their ultimate field of study or occupation. Some of the topics that may be included in Computer Science courses include: algorithms, data analysis, modeling, problem-solving, creating and manipulating graphics, coding or programming (including application or game design), security, web design, human-computer interaction, robotics and ethical issues.

## Is Computer Science for You?

- Are you creative?
- Do you like to solve problems?
- Are you interesting in making computers do things for you?
- Ever thought of an idea for a great app?
- Want to design a cool robot?

| Computer Science Program of Study (POS) - 4 credits required |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| REQUIRED COURSEWORK | GRADE | SEM. | CODE | PREREQUISITE/COREQUISITE |
| AP Computer Science Principles PW A | $9-12$ | 1 | 292400 |  |
| AP Computer Science Principles PW B | $9-12$ | 2 | 292500 |  |
| Computer Programming 1A |  |  |  |  |
| Computer Programming 1B | $10-12$ |  | 298900 | (C) Geometry A/B or Hon Geometry A/B |
|  | $10-12$ |  | 299000 |  |
| AP Computer Science Java A |  |  |  |  |
| AP Computer Science Java B | $10-12$ | 1 | 290100 | (P) Computer Programming 1 A/B or |
| CAPSTONE SELECTIONS | $10-12$ | 2 | 290200 | Computer Science Principles A/B |
| Cybersecurity Capstone A | GRADES | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| Cybersecurity Capstone B | $11-12$ | 1 | 282200 | (P) AP Computer Science A/B |
|  | $11-12$ | 2 | 282300 |  |
| Computer Programming 3A | $11-12$ | 1 | 296500 | (P) AP Computer Science Java A/B |
| Computer Programming 3B | $11-12$ | 2 | 296600 |  |
| Student Internship | $11-12$ | 1 | 290734 |  |
|  | $11-12$ | 2 | 290735 |  |
| Dual Enrollment |  |  |  |  |
|  |  |  |  |  |

***Articulation Agreement: Earn three college credits at Montgomery College through the MCPS articulation agreement by earning a B or higher in the articulated courses and completing the entire high school plan.

## ACADEMIC SUPPORT COURSE OFFERINGS

NOTE: These courses are determined through the implementation of an individualized education plan (IEP).

| SPECIAL EDUCATION SERVICES (ARS, LAD, \& RESOURCE PROGRAMS) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| COURSE TITLE | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| Resource Program ARS A | 9-12 | 1 | 793375 | Special Placement |
| Resource Program ARS B | 9-12 | 2 | 793475 | Special Placement |
| Resource Program LAD/Res. A | 9-12 | 1 | 793371 | Special Placement |
| Resource Program LAD/Res. B | 9-12 | 2 | 793471 | Special Placement |
| Hon English 9A | 9 | 1 | 131394 | Special Placement |
| Hon English 9B | 9 | 2 | 131494 | Special Placement |
| Algebra 1A | 9 | 1 | 311194 | Special Placement |
| Algebra 1B | 9 | 2 | 311294 | Special Placement |
| Hon Biology A | 9 | 1 | 362194 | Special Placement |
| Hon Biology B | 9 | 2 | 362294 | Special Placement |
| Chemistry A | 10 | 1 | 372194 | Special Placement |
| Chemistry B | 10 | 2 | 372294 | Special Placement |
| Hon US History A | 9 | 1 | 211194 | Special Placement |
| Hon US History B | 9 | 2 | 211294 | Special Placement |
| Mathematical Approach to Problem Solving A | 9-12 | 1 | 311394 |  |
| Mathematical Approach to Problem Solving B | 9-12 | 2 | 311494 | Special Placement Special Placement |
| College Prep Literacy 1 | 9-12 | 1 | 118894 | Special Placement |
| College Prep Literacy 2 | 9-12 | 2 | 118994 | Special Placement |

See next page for additional academic support course offerings.

| BRIDGE SERVICES |  |  |  |  |
| :--- | :---: | :---: | :---: | :--- |
| COURSE TITLE | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| Resource Program A | $9-12$ | 1 | 793395 | Special Placement |
| Resource Program B | $9-12$ | 2 | 793495 | Special Placement |
| College Prep Literacy 1 | $9-12$ | 1 | 118895 | Special Placement <br> College Prep Literacy 2 |
| Mathematical Approach to Problem | $9-12$ | 2 | 118995 | Special Placement |
| Solving A | $9-12$ | 1 | 311395 | Special Placement |
| Mathematical Approach to Problem | $9-12$ | 2 | 311495 | Special Placement |
| Solving B | $9-12$ | 1 | 783492 | Special Placement |
| Human Behavior A | $9-12$ | 2 | 783495 | Special Placement |
| Human Behavior B | 12 | 1 | 106092 | Special Placement |
| Literacy in the Digital Age | 12 | 2 | 106095 | Special Placement |
| Economics | $10-12$ | 1 | 230392 | May only be taken for one semester |

## ENGLISH FOR SPEAKERS OF OTHER LANGUAGES COURSE OFFERINGS

NOTE: These courses are determined through placement in the ESOL Program.

| CORE COURSE SELECTIONS | GR | SEM | CODE | PRE-REQUISITE/CO-REQUISITE |
| :--- | :---: | :---: | :---: | :--- |
| H English 9A | 9 | 1 | 131340 |  |
| H English 9B | 9 | 2 | 131400 |  |
| English 9 for English Learners I A | 9 | 1 | 134700 | (C) English Lang Dev Seminar EL 1A/B |
| English 9 for English Learners I B | 9 | 2 | 134800 |  |
| English 9 for English Learners II A | 9 | 1 | 135400 | (C) English Lang Dev Seminar EL 2A/B |
| English 9 for English Learners II B | 9 | 2 | 135500 |  |
| English 9 for English Learners III A | 9 | 1 | 136100 | (C) English Lang Dev Seminar EL 3A/B |
| English 9 for English Learners III B | 9 | 9 | 2 | 136200 |

## DUAL ENROLLMENT AT MONTGOMERY COLLEGE

Dual Enrollment is available to advanced high school students admitted to Montgomery College (MC). Select students are enrolled in college courses while still attending high school, providing an educational experience beyond what is available at the secondary level. High school juniors and seniors who meet the College's Dual Enrollment (DE) standards may enhance their schedule with college course work and experience the independence of college-level study while also earning college credit.

Dual Enrollment at MC enables high school students to; register and attend a Montgomery College course(s) on campus, online or at their high school site; engage with outstanding college professors and their peers in a collegiate classroom setting; graduate from high school with earned college credit; potentially save money on college tuition; accelerate college completion; and gain additional skills and confidence needed to succeed in college

Students may enroll in a variety of courses at the college, provided they meet the Dual Enrollment standards. The credits earned may be applied to a degree program at Montgomery College or may potentially be transferred to another institution.

A few of the courses that past students have taken are listed below:

| Course Titles |  |
| :---: | :---: |
| Computer Science | Sociology |
| Engineering Science | Speech |
| Geography | Theater |
| History | Arts |
| Political Science | Education |
| Science | Psychology |

Please see the MCPS's Dual Enrollment/College Courses and Early College Access Programs website for more information:
http://www.montgomeryschoolsmd.org/curriculum/partnerships/early-college-programs.aspx

