2020 - 2021

Cabell Midland Knights

Curriculum and Course Selection Guide

Grades 10 - 12

TABLE OF CONTENTS

ADMINSTRATION	5
COUNSELING STAFF	6
STATE POLICY AND SCHEDULING INFORMATION	**8**
CORE REQUIREMENTS FOR GRADUATION	9
PERSONALIZED EDUCATION PLAN (PEP)	9
ADVANCED PLACEMENT AND HONORS	10
SCHEDULING INFORMATION	15
VIRTUAL SCHOOL	16
COLLEGE ENTRANCE EXAMS	17
DUAL ENROLLMENT AND E.D.G.E.	18
MATH COURSES BY GRADE LEVEL	21
CABELL COUNTY DUAL CREDIT MATH OPTIONS	22
ATHLETIC ELIGIBILITY	23
NCAA ELIGIBILTY CENTER	25
CORE SUBJECT DESCRIPTIONS	**27**
ENGLISH	28
MATH	30
SCIENCE	33
SOCIAL STUDIES	36
CABELL MIDLAND COLLEGE AND CAREER ACADEMIES PROGRAMS OF STUDY	**38**
AGRISCIENCE AND STEM ACADEMY PROGRAMS OF STUDY	40
AGRISCIENCE AND STEM ELECTIVE COURSE DESCRIPTIONS	47
HEALTH SCIENCE AND WELLNESS ACADEMY PROGRAMS OF STUDY	52
HEALTH SCIENCE AND WELLNESS ELECTIVE COURSE DESCRIPTIONS	60
HUMAN AND PUBLIC SERVICES ACADEMY PROGRAMS OF STUDY	64
HUMAN AND PUBLIC SERVICES ELECTIVE COURSE DESCRIPTIONS	68
GLOBAL ELECTIVES AND COURSE DESCRIPTIONS	**71**
GLOBAL ELECTIVE COURSES	72
CAREER INTEREST ELECTIVES	73
HEALTH AND PE	74
DRIVERS ED	75
ENGLISH	75
MATH	77
SCIENCE	79
SOCIAL STUDIES	80
WORLD LANGUAGES	83
FINE ARTS	**85**
BAND	85
CHORAL PERFORMANCE ENSEMBLES	87
DANCE	88
GUITAR	89
HANDBELLS	89
ORCHESTRA	89
PIANO	90
THEATER	91
MUSIC APPRECIATION	92

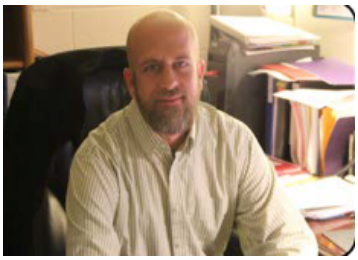
VISUAL ARTS 93
CAREER INTEREST ELECTIVES **96**
AGRISCIENCE 96
AFJRTOC 96
COMPUTER SCIENCE 96
CULINARY 97
ENGINEERING 97
FITNESS AND WELLNESS 97
HEALTH SCIENCES 98
HUMAN SERVICES 99
JOURNALISM 99

CABELL COUNTY CAREER TECHNOLOGY ACADEMY **101**
MACHINE TRADES 102
CARPENTRY 102
WELDING 102
GRAPHIC DESIGN 102
AUTOMOTIVE TECHNOLOGY 103
ELECTRICITY 103
HVAC 103
COLLISION REPAIR 103
BUILDING MAINTENANCE AND OPERATIONS 103
BUILDING TECHNOLOGY 104
LAW AND PUBLIC SAFETY 104
ADMINISTRATIVE SUPPORT 104
A+ CERTIFICATION 104
CODING, APP, AND GAME DESIGN 105
COSMETOLOGY (JUNIORS AND SENIORS ONLY) 105

Cabell Midland High School Administrators

Mr. Lloyd McGuffin	Principal 304-743-7401 lmcguffi@k12.wv.us
Mrs. Kelly Daniels	Associate Principal Curriculum 304-743-7330 jkdaniels@k12.wv.us
Mrs. Melissa D. Ash	Assistant Principal 304-743-7404 mash@k12.wv.us
Mr. Matt Adkins	Assistant Principal 304-743-7413 mpadkins@k12.wv.us
Mr. Gabe McKee	Assistant Principal 304-743-7402 gmckee@k12.wv.us
Ms. Amy Kammer	Assistant Principal 304-743-7403 akammer@k12.wv.us

Cabell Midland Counseling Department



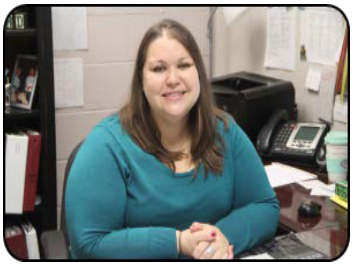
Seth Rader

Students with Last Names A - Ca
Phone: 304-743-7409 Fax: 304-743-7569
Email: srader@k12.wv.us

Leslie Price

Lead Counselor

Students with Last Names Cb – Fn
Phone: 304-743-7408 Fax: 304-743-7569
Email: lsprice@k12.wv.us



Jenna McComas

Students with the Last Names Fo - Ke
Phone: 304-743-7406 Fax: 304-743-7569
Email: jmccomas@k12.wv.us

Christy Hedrick

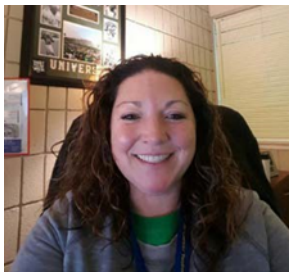
Students with the Last Names Kf - N
Phone: 304-743-7407 Fax: 304-743-7569
Email: cohedrick@k12.wv.us

Tracy Urian

Students with the Last Names O - Sm
Phone: 304-743-7410 Fax: 304-743-7569
Email: turian@k12.wv.us

Amy Cobb

Students with the Last Names Sn - Z
Phone: 304-743-7405 Fax: 304-743-7569
Email: ajcobb@k12.wv.us



Joanie Poole

304-528-5106
Cabell County Career and Technical Center
Lead Counselor

Student Support Staff

Cabell Midland High School

Kayla Holtzapfel
Graduation Coach
304-743 -7041
kholtzapfel@k12.wv.us

Emily Castle
Social Worker
304-743 -7490
emily.castle@k12.wv.us

State Policy and Scheduling Information Section

Core Requirements for Graduation

Following are the graduation requirements for students in Cabell County public high schools. Students are required to complete 24 credits to graduate.

Credits Required: 24

- **Math** *4 credits*
- **Science** *3 credits (4 lab science credits if planning attending a year university)*
- **English Language Arts** *4 credits*
- **Social Studies** *4 credits*
- **Physical Education** *1 credit*
- **Fine Arts** *1 credit (Theatre, Art, Dance, or Music; Some CTE courses may count for this credit. Students should talk to their counselor.)*
- **Health** *1 credit*
- **Career Concentration Courses:** *4 credits in a Career Technical Education program of study or 4 credits in a locally approvedpathway based on career interest and academy choice.*
- **Electives** *4 possible credits based on student interests and career goals.*
- **World Languages** *2 credits of the same language if planning on attending a 4- year university.*

WVBE Policy 2315 Policy Requirements for PEP

Personalized Student Planning – Personalized student planning includes providing opportunities for students to discover their interest in emerging careers. Ongoing opportunities at all programmatic levels are provided during the school day for career exploration and self-discovery. Personalized planning allows student to develop academic skills, identify interests, maximize strengths, minimize weaknesses, set and reach personal/educational goals and realize their career aspirations. A Personalized Education Plan (hereinafter PEP) is developed collaboratively, involving students, parents/guardians and school staff.

During the 9th grade each student reviews and updates his or her PEP in collaboration with the school counselor, teachers, advisors and parents/guardians. Review of the PEP will include academic offerings, career plans, review of various interests, learning styles, career and academic assessments to guide changes to course selections.

During the 10th grade year the second phase of the PEP is developed. Students identify course selections for grades 10-12 and postsecondary plans for the first year after high school. To assist with development of the three-year PEP, the school will provide ongoing opportunities during the school day for career exploration and self-discovery. Each student's individual assessments will be reviewed to ensure academic planning maximizes individual strengths and interests. Career exploration and planning and the development of the PEP is a shared responsibility between the school counselor, teachers, advisors and parents/guardians.

The PEP is reviewed annually in grades 9-12 with the student and his or her parents/guardians and is signed and dated during each annual review conference. Students may amend his or her PEP at the end of any semester as long as it does not interfere with the completion of graduation requirements based on availability of courses.

General Information on Honors and AP courses

Policies and Practices

- Students who have questions about honors and AP courses are encouraged to communicate with their current teacher and the teacher of record for the next course. All students are encouraged to participate in the course that is most challenging appropriate to their post-secondary plans.
- Late work is only accepted at the discretion of the honors teacher. Students are expected to be prepared for all classes due to the swift pace and collaborative learning inherent in honors and AP courses.
- The most successful students build strong reading and writing habits throughout their middle school years and into high school. While teachers can teach skills, all students must possess the desire to become professionals.
- Students must enter class ready to read and/or write with any prepared materials or discussion pieces. When necessary, nightly preparedness is important to the success of the class as a whole.

WITHDRAWAL FROM HONORS AND AP COURSES

Please refer to section regarding the expectations and requirements of “Honors” and “AP” level classes in order to choose these classes carefully. The master schedule is student-driven, meaning it is based on the number of students requesting a course. Many of the Honors level and AP classes require summer reading assignments. These assignments are mandatory with deadlines throughout the summer. **There will be no extensions**. Failure to take the AP Exam results in the AP course being removed from the student’s transcript and being replaced with a non-weighted regular course.

Advanced Placement Exam Equivalency to College Credit

AP examinations are prepared by the College Board, and the papers are graded by readers of the Educational Testing Service, Princeton, New Jersey 08540. Students cannot receive credit for a score below 3 on any exam. College equivalency can change at any time. For an updated list of possible credits earned, check with each university.

Marshall University recognizes certain examinations of the College Board Advanced Placement Program. Students who participate in the AP program and wish to have their scores evaluated for credit should have their official scores sent to Marshall University by selecting Marshall's code 5396 on the exam. To be evaluated for credit, official AP score reports must be sent directly to the Marshall University Admissions Office from the College Board. Students who do receive credit will be assigned the grade of CR which is not calculated into the GPA. All AP credit is counted as lower-division credit. See the following for required scores on specific exams.

AP Exams	Required Score	Marshall Equivalent	Credit Awarded
Art- (Studio) Drawing	3	ART 217	3
Art- 2-D Design	3	ART 214	3
Art- 3-D Design	3	ART 215	3
Art History	3	ART 112 or ART 101	3
Biology	3	BSC 104, 105	8
Biology	4	BSC 120, 121	8
Chemistry	3	CHM 203	3
Chemistry	4	CHM 211, 217	5
Chemistry	5	CHM 211, 212, 217, 218	10
Classics-Latin-Vergil	3	LAT 204	3
Classics-Latin-Literature	3	LAT 204 or 200-level	3
Computer Science A	3	IST 264	3
Computer Science Principles	3	CS 105	3
Microeconomics	3	ECN 250	3
Macroeconomics	3	ECN 253	3
English Composition & Literature	3	ENG 231	3
English Composition & Literature	4	ENG 231 and 213	6
English Language & Composition	3	ENG 101	3
English Language & Composition	4	ENG 101 and 201	6
Environmental Science	3	Elective	4

AP Exams	Required Score	Marshall Equivalent	Credit Awarded
Foreign Language, French Language	3	FRN 101, 102	6
Foreign Language, French Language	4	FRN 101, 102, 203	9
Foreign Language, German Language	3	GER 101, 102	6
Foreign Language, German Language	4	GER 101, 102, 203	9
Foreign Language, Japanese Language and Culture	3	JPN 101, 102	6
Foreign Language, Japanese Language and Culture	4	JPN 101, 102, 203	9
Foreign Language, Spanish Language	3	SPN 101, 102	6
Foreign Language, Spanish Language	4	SPN 101, 102, 203	9
Foreign Language, Spanish Literature	3	Elective	6
Geography	3	GEO 100	3
Government and Politics, American	3	PSC 104	3
Government and Politics, Comparative	3	PSC 105	3
History, American	3	HST 230 & 231	6
History, European	3	HST 102 and 103	6
History, World	3	HST 101, 102, 103 (two of the three)	6
Mathematics, Calculus AB	3	MTH 132	5
Mathematics, Calculus AB	4	MTH 130, 229	8
Mathematics, Calculus BC	3	MTH 130, 229	8
Mathematics, Calculus BC	4	MTH 229, 230	9
Music Theory	3	MUS 101	3
Music Theory	4	MUS 101, 111	5
Music Theory	5	MUS 111,112, 113	6
Physics I	3	PHY 201	3
Physics II	3	PHY 203	3
Physics II	4	PHY 201, 203	6
Physics C, Mechanics	3	PHY 211	4
Physics C, Electricity & Magnetism	3	PHY 213	4
Physics C, Electricity & Magnetism	4	PHY 211, 213	8
Psychology	3	PSY 201	3
Statistics	3	MTH 225 OR MGT 218	3

West Virginia University Advanced Placement Program (AP)

Examination	Minimum Score	Credit Hours	Course Equivalent
ART (Studio)			
Studio Art Drawing	3	3	ART 111
Studio Art-2-D Design	3 or 4	3	Open credit ART
Studio Art-2-D Design	5	3	ART 121
Studio Art-3-D Design	3	3	ART 122
ART HISTORY	3	3	ARHS 101
BIOLOGY	3	8	BIOL 101,102, 103,104
CHEMISTRY	3	8	CHEM 115, 116
CLASSICS			
Latin	3	6	CLASS 101, 102
COMPUTER SCIENCE			
Computer Science A	3	3	CS 1 AP
Computer Science AB	3	6	CS 110
Computer Science Principles	3	3	CS 1 AP
ECONOMICS			
Microeconomics	3	3	ECON 201
Macroeconomics	3	3	ECON 202
ENGLISH			
Engl. Lit. and Comp	3	3	ENGL 131
Engl. Lit. and Comp	4	6	ENGL 131, 132
Engl. Lang. and Comp	3	3	ENGL 101
Engl. Lang. and Comp	4	6	ENGL 101, 102
(9 units maximum for both tests)			
ENVIRONMENTAL SCIENCE	3	4	GEOL 110/111 GEOG 110/111
FOREIGN LANGUAGE			
Chinese Lang. & Culture	3	6	CHIN 101, 102
French Language	3	6	FRCH 101, 102
French Literature	3	6	FRCH 203, 204
German Language	3	6	GER 101, 102
Italian Lang. & Culture	3	6	ITAL 101, 102
Japanese Lang. & Culture	3	6	JAPN 101, 102
Russian Lang. & Culture	3	6	RUSS 101, 102
Spanish Language	3	6	SPAN 101. 102

Spanish Literature	3	6	SPAN 203, 204
GEOGRAPHY			
Human Geography	3	3	GEOG 108
GOVERNMENT AND POLITICS	3	3	
United States	3	3	POLS 102
Comparative	3	3	POLS 101
HISTORY			
American	3	3	HIST 153
American	4	6	HIST 152, 153
European	3	3	HIST 102
World	3	3	HIST 180
World	4	6	HIST 179, 180
MATHEMATICS			
Calculus AB	3	4	MATH 129
Calculus AB	4	4	MATH 155
Calculus BC	3	4	MATH 155
Calculus BC	4	8	MATH 155, 156
Statistics	3	3	STAT 211
MUSIC			
Theory	3	Varies	To be determined by department
PHYSICS			
Physics One – Algebra Based	3	4	PHYS 101
Physics Two – Algebra Based	3	4	PHYS 102
Physics C Mechanics	3	4	PHYS 111
Physics C Elec./Magnet	3	4	PHYS 112
Psychology	3	3	PSYCH 101

Check with other universities and colleges for AP equivalent credits.

Scheduling Information

SCHEDULE CHANGES
The school administration determines the number of sections of each subject to be taught and the number of teachers needed in each discipline based on student requests. The flexibility to make changes later is impaired. Therefore, choose courses and alternate courses carefully.

THE MASTER SCHEDULE of course offerings is developed based on student needs and requests and the staffing provided. Therefore, it is very important that students and parents carefully study the course offerings and choose those that will best meet their needs.

ALTERNATE COURSES must be listed in case of scheduling conflicts. If too few students request a course, it may not be offered and an alternate course will be selected. If students do not select alternates prior to the scheduling process, they will be placed in alternates chosen by their counselor.

COURSE AVAILABILITY is dependent upon a minimum number of students in most courses. Staff availability may necessitate these classes not being offered.

SUMMER READING PROGRAM
Some courses require mandatory summer reading. The book is selected in the spring and information is provided to students and parents prior to the summer break. Students complete summer assignments which are part of the expectations for all students in select courses.

COMMUNITY SERVICE REQUIREMENT
Students shall complete a minimum of ten hours of approved community service for graduation. Documentation is required to be submitted to the student's counselor.

Course Withdrawal

If a student, with parent permission, requests to be withdrawn from a class after the 5th day of a semester, the student will receive a grade of W/F for that class, dependent upon alternate class availability and administrative approval. Any changes to the Personalized Education Plan must be signed by student, parent, and counselor with administrator permission.

The W/F will be recorded on the student's transcript and a zero will be used in computing the grade point average.

VIRTUAL SCHOOL

West Virginia Virtual School provides online courses for students when those courses are not available in their high school, or if their schedule prevents them from taking a course associated with their college and career goals. Students who choose to take a virtual school course need to be motivated and skilled in time management in order to be successful. Seniors must complete all coursework by the last day for seniors. Courses which are on a semester status must be completed by the end of the semester.

Students shall complete year-long course requirements by the last day of school for students during the current school year. It is the student's and parents' responsibility to determine adequate progress is maintained during the course. Students failing the virtual course will be allowed to do credit recovery. As virtual courses are paid for by the state for the initial class, repeating a failing class through virtual school will be at parents' expense.

Virtual School is offered during the regular school year. Students requesting Virtual School during the Summer Session will be denied. If a student participates in a Virtual School course through private pay, the course will NOT be added to the student's transcript.

WVVS Grade Transcripts and Drop Policy

Most WVVS course providers allow a trial period during which students can drop a virtual course without penalty. The school **must** report a grade of **WNG** (Withdrawn No Grade) on the student transcript when the student drops a course on or before 28 calendar days. The school **must** record a grade of **WF** (Withdrawn Failing) for a student who drops a course **after** the 28 day drop date. Any student who does not begin the course within 10 to 14 days is at risk of being dropped from the course without warning.

The virtual course grade will be available to the school co-teacher/facilitator/mentor. The co-teacher/facilitator/mentor ensures that student grades for WV Virtual School courses are entered in the WVEIS data system. No changes can be made to the online course grade by local school personnel.

Grades must be recorded by using the percentage grade issued by the online instructor. Most course providers recognize grading scales vary from state to state and do not post a letter grade to the final grade report. In the event a course provider assigns a letter

grade in addition to the percentage, the letter grade should be disregarded. Letter grades assigned to a student's transcript must follow the WV Uniform Grading Scale.

Tuition for virtual courses is paid by the WV Virtual School with some stipulations. The county incurs no expense for the first ten students in the same course in the same school per year. The county incurs expense if any student takes over two classes per year. The county is responsible for providing any textbooks and/or lab materials required by virtual courses. Students may not be enrolled in more than two virtual courses at a time unless they are full-time virtual school. The student can only take up to nine classes brick-and-mortar and virtual combined.

NCAA Eligibility and Virtual School

Attention student, virtual school contact, counselor and parent: If a student plans to play NCAA Division I sports, please visit the NCAA eligibility high school portal to ensure the online course is an approved NCAA credit.

Attention student, virtual school contact, counselor and parent: The NCAA reviews credit recovery occurrences on an individual basis. For this reason, credit recovery is NOT recommended for any athlete with aspirations to play Division I sports.

COLLEGE ENTRANCE EXAMS

The College entrance tests are given by two testing agencies: The College Board administers the PSAT/NMSQT SAT I and SAT II Achievement Tests, and the American College Testing Program which administers the ACT. For detailed information on the nature of these tests and the preferred testing dates see the counselors. Cabell Midland and Huntington High Schools serve as test sites for both the SAT and ACT.

PSAT TEST

The Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT) is a program co-sponsored by the College Board and National Merit Scholarship Corporation (NMSC). It is a standardized test that provides firsthand practice for the SAT®. It also gives you a chance to enter NMSC scholarship programs and gain access to college and career planning tools.

- PSAT National Testing Date is usually in October. This exam has no makeup dates. Students must register for exam and pay any exam fees at the time of registration.

ARMED SERVICE VOCATIONAL APTITUDE BATTERY (ASVAB)

The aptitude test is administered by representatives of the Armed Services. It is an optional test but is recommended to students to help give them an idea of their strengths and weaknesses in the aptitude for certain careers.

ATTENTION PARENTS!

ACT AND SAT SCORES NEEDED FOR DUAL CREDIT COURSES

Students interested in registering for dual credit courses through Marshall University need to have their scores back by first day of class to be eligible for the dual credit course. For 10th graders registering for 11th grade dual credit classes, it is recommended that the student take either test during the spring or summer prior to the beginning of school. See the dual credit score prerequisites.

You Can Earn College Credit While in High School through Dual Enrollment

Advantages of Taking Dual Credit Courses

Taking college courses while in high school offers many advantages to students:

- Receive college credit for classes you have to take in high school anyway (biology, anatomy & physiology, English, history, etc.)
- Gives high school students an opportunity to experience a college class
- Gives students an opportunity to "jumpstart" their college careers
- Costs are reduced
- Cabell County provides the textbook (a significant savings most college textbooks are $150-$200+)
- Students don't have to drive to campus or purchase a parking space
- Students will be in smaller classes and have instructors that can spend more time helping them with course work, instead of being in a college lecture room with 50-100 other students
- Increased self-confidence before entering college

What You Need to Know

Before taking a dual enrollment course, there are a few things a student should know:

- Dual credit courses provide students the opportunity to earn credit both from their high school and Marshall University
- Juniors and seniors enrolling in these classes must apply to Marshall University and have a transcript, have a 3.0 cumulative grade point average on the day of enrollment, and a letter of recommendation from the principal or school counselor.
- Freshmen and sophomores may be eligible with further requirements (see following chart). The bursar fee** will be $25 (subject to change) per credit hour. Textbooks will be provided by the district.
- These are advanced college level, elective courses.
- Dual enrollment courses can provide students with the opportunity to earn more than a semester of college credit while in high school.

***This price may change due to the increase of tuition by the West Virginia Higher Education Policy Commission. Payment of bursar fee must be made within 30 days after the class has commenced. Staffing for the high school courses will receive priority before college classes. Typically, a minimum of 20 students must be enrolled in the class before it will be offered.*

Additional Information

Keep the following in mind as you consider taking a dual enrollment course:

- Students who plan to attend a different college should check with that college's admission requirements to ensure that dual credit courses will transfer, either as required or elective courses.
- Students' grades for their high school transcript will be based on the county's grading scale. Grades for the students' college transcript will be based on Marshall University's grading scale.
- Students should have the ACT/SAT scores sent to Marshall University, even if they do not plan to attend MU. This will make the dual enrollment process run more smoothly.

General Education Courses Required at Marshall University (Core II)

All students at Marshall University are required to complete a set of courses (Core II Courses). All of our dual enrollment courses meet these requirements. Thus, students who plan to attend Marshall University upon graduation, have the opportunity to meet many or all of these requirements before becoming a full-time student.

Mountwest Community and Technical College offers a wide variety of 1) skill sets, 2) certificates, and 3) associate degrees which allow students to get a head start on their post-high school education. By combining high school courses which count for college credit with online or on-campus courses, students may begin their journey to earning certificate or degree through MCTC. For more, information, visit MCTC's website: http:.//www.mctc.edu/.

Dual credit courses (Mountwest or Marshall University) are taken at the high school but require a fee of approximately $25 per credit hour.

Dual Enrollment Courses Marshall University	
High School Course	**College Course Credit**
Advanced Mathematical Modeling	Math 121B 4 hrs
Trigonometry	Math 122 3 hrs
Pre-Calculus	Math 127 5 hrs
English 101/201	English 101/201 6 hrs
BSC 104/105	BSC 104/105 4 hrs each
History 103/History 231 (HHS)	History 103 and 231 6 hrs
History 103 (CMHS)	History 103 3 hrs
IED, POE (with instructor permission, can be taken concurrently), DE (Digital Electronics), and CEA (Civil Engineering and Architecture)	ENGR 280 3 hrs ENGR 281 3 hrs Credit awarded after completion of all four courses
Introduction to Geospatial Information Systems	GIS 101,102,103 3 hrs
Speech and Oral Communication	COM 103 3 hrs
Spanish 101 – Dual Credit	SPN 101 3 hrs
Spanish 102 – Dual Credit	SPN 102 3 hrs
Psychology – Dual Credit	PSY 201 3 hrs
Music Appreciation	MUS 142 3 hrs
Dual Enrollment Courses Mountwest	
High School Course	**College Course Credit**
American Sign Language I	ASL 101 and ASL 101 LAB
Accounting I	Accounting 103
Foundations of Healthcare	AH 100
Medical Terminology	AH 151
JROTC II	MILS 101
JROTC IV	MILS 201 & Lab
Introduction to Business and Marketing	MG 101
Introduction to GIS	GSI 282
Business and Computer Applications I (CCCTC)	IT 100
E.D.G.E Credit Mountwest	
High School Course	**College Course Credit**
Accounting II	ACT 103
Early Childhood I	TS Component III: Early Childhood Education TOS
Early Childhood II	TS Component III: Early Childhood Education TOS
Early Childhood III	TS Component III: Early Childhood Education TOS
Early Childhood IV	TS Component III: Early Childhood Education TOS
Desktop Publishing	IT 110/old AT 255
Medical Terminology	AH 151
Office Management Introduction to Business and Marketing	AT 256 MGT 101

Math Courses Available by Grade Level

Depending on your previous math courses, select from the following list based on your upcoming grade level.

	Grade 9	Grade 10	Grade 11	Grade 12
Math Sequence	Algebra I	Geometry	· Algebra II · Financial Algebra**	· Advanced Mathematical Modeling · Financial Algebra** · Precalculus · Transition Mathematics for Seniors** · Trigonometry · AP Math · Dual Credit Math
8th Grade: Algebra I	Geometry	Algebra II	· Trigonometry · Precalculus · Dual Credit Math · AP Math	· AP Math · Dual Credit Math

Guidance Concerning Institutions of Higher Education, the NCAA, and High School Graduation Requirements:

Students should check with their specific higher education institutions regarding mathematics requirements needed for admission. It is important to note that while Algebra I Support is appropriately counted as a mathematics credit toward graduation, this course does not address a distinctive body of knowledge, as would be the expectation of college and university admission requirements.

**Students are responsible for verifying that their course selection will support their eligibility as student-athletes as defined by the NCAA. The NCAA does not recognize Transition Mathematics and Financial Algebra as credit-bearing courses for admission.

Cabell County Dual Credit Math Options

Cabell County Course	MU Dual Credit Course	Prerequisites
Advanced Mathematical Modeling	Math 121B - Concepts and Applications Expanded (4 credit hours)	Any ACT or SAT Score
Trigonometry	Math 122 - Plane Trigonometry (3 credit hours)	ACT Math 22 or SAT Math 550
Precalculus	Math 127 - College Algebra Expanded (5 credit hours)	ACT Math 19 or SAT Math 500

ATHLETIC ELIGIBILITY

ATHLETICS WVSSAC ELIGIBILITY RULE (127-2-6.1) (updated 12/30/16)

http://www.wvssac.org/rules-and-regulations/

§126-26-3. Eligibility.

- In order to participate in the extracurricular activities to which this policy applies, a student must meet all state and local attendance requirements and:

Maintain a 2.0 average.

- A 2.0 average is defined as a grade-point average (GPA) of 2.0 or better on a scale where an "A" mark earns 4 points, a "B" is awarded 3 points, a "C" is worth 2 points, a "D" is given a value of 1 point, and an "F" is worth 0 points.
- In computing a student's "grade-point average" (GPA) for purposes of this policy, all subjects undertaken by the student and for which a final grade is recorded are to be considered. Athletic practice may not be counted as a subject. The total number of classes taken is divided into the total number of "grade points" earned to determine the GPA. Classes for which a pass/fail is awarded will be included in computing the GPA only if the student failed the class.
- A student's eligibility will be determined for each semester by his or her GPA the previous semester (or, in schools which do not use the traditional semester approach, during the previous eighteen-week period).
- If a student does not maintain a 2.0 average for the semester, he or she will be ineligible for participation for the following semester. Students not meeting eligibility requirements shall be reviewed at the mid-point of the second semester (the nine-week point) to determine whether the student has achieved a 2.0 average.
- If a student does not earn a 2.0 average by the end of the second semester, he or she may attend summer school to raise the GPA so that he or she is eligible for participation at the beginning of the next school year. For purposes of computing the GPA after summer school, all of the student's grades from the second semester plus his or her grade from the summer school will be used to determine the GPA.
- A student who has not achieved a 2.0 GPA for the previous semester may have his or her eligibility reinstated at mid-semester if the student has attained at least a 2.0 GPA. In schools and/or counties where the traditional semester approach is not used, the nine-week point shall be utilized in place of the mid-semester.
- In the case of students with exceptionalities as set forth in West Virginia Board of Education Policy 2419, *Regulations for the Education of Students with Exceptionalities* (W. Va. 126CSR16), if grades are given, all grades received from placements in regular classrooms and special education classrooms should be included when computing the GPA. Exceptional students placed in ungraded programs will be eligible for participation in extracurricular activities if their records indicate that they are making satisfactory progress in meeting the objectives of their individualized education program (IEP).
- Students who have had a break in public school attendance for any reason may be required to establish eligibility after re-enrollment in the public school. If the county school system accepts the transfer of credits/grades earned in the non-public setting, then those credits/grades shall be used in determining academic eligibility. If the county school system does not accept the transfer of credits/grades earned in the non-public setting, then eligibility must be established after re-enrollment in the public school setting. Eligibility shall be gained at mid-semester (nine-week point) if the student has attained at least a 2.0 GPA. In schools and/or counties where the traditional semester approach is not used, the nine-week point shall be utilized in place of the mid-semester.

Students who are entering public schools or other Secondary Schools Activities Commission (SSAC) member schools for the first time will be eligible for participation as follows:

- Students who have not earned grades that the receiving school will accept for credit upon

transfer will be eligible upon enrollment and must have a 2.0 GPA at the end of the semester in which they enroll to remain eligible.

- Students who have earned grades that the receiving school will accept for credit upon transfer must have earned a 2.0 GPA in the previous semester to be eligible upon enrollment. If not eligible upon enrollment, the student shall become eligible at the mid-semester (nine-week point) if the student has attained at least a 2.0 GPA

NCAA ELIGIBILIITY REQUIREMENTS FOR STUDENT ATHLETES

Students who are interested in learning about the NCAA recruiting process or registering with the NCAA Clearinghouse for athletic purposes, they need to log in to eligibilitycenter.org and create an account. For additional information about the NCAA as an organization, history, purpose, etc., the main website is www.NCAA.com. While these websites are linked it is difficult to navigate out of the NCAA.com to the eligibilitycenter.org.

Please note: NCAA may not recognize a failing grade recovered through Cabell County's credit recovery program. In this case, it may be best for the student to retake the course and replace the failing grade. Further Note: English 12 CR is acknowledged by the NCAA. However, Transition Math for Seniors is not. See your counselor for more information on courses not meeting NCAA requirements.

DIVISION I
16 Core Courses

- 4 years of English.
- 3 years of mathematics (Algebra I or higher).
- 2 years of natural/physical science (1 year of lab if offered by high school).
- 1 year of additional English, mathematics or natural/physical science.
- 2 years of social science.
- 4 years of additional courses (from any area above, foreign language or comparative religion/philosophy).

DIVISION II
14 Core Courses

- 3 years of English.
- 2 years of mathematics (Algebra I or higher).
- 2 years of natural/physical science (1 year of lab if offered by high school).
- 2 years of additional English, mathematics or natural/physical science.
- 2 years of social science.
- 3 years of additional courses (from any area above, foreign language or comparative religion/philosophy).

DIVISION II
16 Core Courses
(2013 and After)

- 3 years of English.
- 2 years of mathematics (Algebra I or higher).
- 2 years of natural/physical science (1 year of lab if offered by high school).
- **3** years of additional English, mathematics or natural/physical science.
- 2 years of social science.
- **4** years of additional courses (from any area above, foreign language or comparative religion/philosophy).

NCAA Division I Initial-Eligibility Requirements Core Courses: (16)

- *Initial full-time collegiate enrollment before August 1, 2016:*
  - **Sixteen (16) core courses** are required (see chart below for subject-area requirements).
- *Initial full-time collegiate enrollment on or after August 1, 2016:*
  - **Sixteen (16) core courses** are required (see chart below for subject-area requirements).
    - Ten (10) core courses completed before the seventh semester; seven (7) of the 10 must be in English, math or natural/physical science.
      - These courses/grades are "locked in" at start of the seventh semester (cannot be repeated for grade-point average [GPA] improvement to meet initial-eligibility requirements for competition).
  - *Students who do not meet core-course progression requirements may still be eligible to receive athletics aid and practice in the initial year of enrollment by meeting academic redshirt requirements (see below).*

Test Scores: (ACT/SAT)

- Students must present a corresponding test score and core-course GPA on the sliding scale The sliding scale for those requirements can be found on www.eligibilitycenter.org.
  - **SAT:** critical reading and math sections.
    - Best sub score from each section is used to determine the SAT *combined* score for initial eligibility.
  - **ACT:** English, math, reading and science sections.
    - Best sub score from each section is used to determine the ACT *sum* score for initial eligibility.
- All ACT and SAT attempts *before* initial full-time collegiate enrollment may be used for initial eligibility.
- **Enter *9999* during ACT or SAT registration to ensure the testing agency reports your score directly to the NCAA Eligibility Center. *Test scores on transcripts will not be used*.**

Core Grade-Point Average:

- Only *core courses* that appear on the high school's List of NCAA Courses on the NCAA Eligibility Center's website (www.eligibilitycenter.org) will be used to calculate your core-course GPA. Use this list as a guide.
- *Initial full-time collegiate enrollment before August 1, 2016:*
  - Students must present a corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.000) on Sliding Scale A (see Page No. 2).
  - Core-course GPA is calculated using the **best 16 core courses** that meet subject-area requirements.
- *Initial full-time collegiate enrollment on or after August 1, 2016:*
  - Students must present a corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.300) on Sliding Scale B (see Page No. 2).
  - Core-course GPA is calculated using the **best 16 core courses** that meet both progression (10 before seventh semester; seven in English, math or science; "locked in") and subject-area requirements.

Division II Initial- Eligibility Requirements

Core Courses

- Division II currently requires 16 core courses. See the chart below.
- Beginning August 1, 2018, to become a full or partial qualifier for Division II, all college- bound student-athletes must complete the 16 core-course requirement.

Test Scores

- Division II currently requires a minimum SAT score of 820 or an ACT sum score of 68. Beginning August 1, 2018, Division II will use a sliding scale to match test scores and core- course grade-point averages (GPA). The sliding scale for those requirements can be found on www.eligibilitycenter.org.
- The SAT score used for NCAA purposes includes only the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a sum of the following four sections: English, mathematics, reading and science.
- When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores that appear on transcripts will not be used.

Grade-Point Average

- Be sure to look at your high school's List of NCAA Courses on the NCAA Eligibility Center's website (www.eligibilitycenter.org). Only courses that appear on your school's approved List of NCAA Courses will be used in the calculation of the core GPA. Use the list as a guide.
  - The current Division II core GPA requirement is a minimum of 2.000. Division II core GPA required to be eligible for competition on or after August 1, 2018, is 2.200 (corresponding test- score requirements are listed on the Sliding Scale on Page No. 2 of this sheet).
  - The minimum Division II core GPA required to receive athletics aid and practice as a partial qualifier on or after August 1, 2018, is 2.000 (corresponding test-score requirements are listed on the Sliding Scale on Page No. 2 of this sheet).

  Remember, the NCAA core GPA is calculated using NCAA core courses only.

Core Subject Course Descriptions

English

Math

Science

Social Studies

English

English 10

	10		

Academy Codes 4010I1 4010I2 4010P1 4010P2 4010S1 4010S2

This is an integrated study of literature, grammar, usage, mechanics, and composition designed for high school sophomores with an emphasis on the forms of literature.

English 10 Honors

	10		

Academy Codes 4010I7 4010I8 4010P7 4010P8 4010S7 4010S8

This course is RECOMMENDED for students planning to take Advanced placement courses in English. Starting with a prerequisite summer reading program. This course provides a strong foundation for the potential Advanced Placement English student.

Prerequisite: *"B" or higher in English 9 Honors*

English 11

		11	

Academy Codes 4011I1 4011I2 4011P1 4011P2 4011S1 4011S2

This is an integrated study of language arts, including literature, grammar usage, mechanics, composition, and oral communication designed for high school juniors. An emphasis will be placed upon American Literature.

Prerequisite: *English 10*

English 11 - Block

401100

		11	

This is an integrated study of language arts, including literature, grammar usage, mechanics, composition, and oral communication designed for high school juniors. An emphasis will be placed upon American Literature and research writing.

Prerequisite: *English 10*

AP English Language and Composition

40411H 40412H

		11	

This is a college level honors course in which students will develop their craft in academic writing reading beginning with prerequisite summer reading. Students can obtain college English credit and/or advanced placement in college by successfully scoring a 3 or higher on the Advanced Placement exam for English Language and Composition.

Prerequisite: *See AP/Honors guidelines in the front of the course book.*

English 12

401211 401221

			12

Academy Codes 4012I1 4012I2 4012P1 4012P2 4012S1 4012S2

This is an integrated study of language arts, including literature, grammar, usage, mechanics, composition, and oral communication designed for high school seniors. An emphasis will be placed upon British literature.

Prerequisite: *English 11*

English 12 - Block

401200

			12

This is an integrated study of language arts, including literature, grammar, usage, mechanics, composition, and oral communication designed for high school seniors. An emphasis will be placed upon British literature.

Prerequisite: *English 11*

Transition English Language Arts for Seniors

401311 401321

			12

Transition ELA for Seniors is designed for students whose writing skills are not on grade-level. Its purpose is to develop mastery of the skills necessary to meet Career and College Readiness standards. Engagement in this rigorous course of study will assist students in attaining acceptable admissions scores for entrance into a credit-bearing college English course.

AP Literature and Composition

40421H 40422H

			12

AP literature is a college level honors course in which academically mature and disciplined students are given the opportunity to obtain not only the college English credit and/or advanced placement in college English courses but preparation for future college courses by successfully completing the Advanced Placement test for English Literature and Composition. The course engages students in close-reading and critical analysis of imaginative literature. AP Literature begins with prerequisite preparatory readings over the summer before the course.

Prerequisite: *See AP/Honors guidelines in the front of the course book.*

English 101/102 Honors

40125X

			12

Students enrolling in this course may apply to Marshall University if they have a transcript showing a cumulative 3.0 GPA (on a 4.0 scale) and letters of recommendation. Students course provides the credit for English 12 for graduation and will also transfer to any in-state college. The focus of this honors-level writing and literature course are various types of academic reading and discourse.

Prerequisite: *English 11 and a score of 18 on the English Component of the ACT*

Math

Geometry

9	10		

Academy Codes 3062I1 3062I2 3062P1 3062P2 3062S1 3062S2

BLOCK 306200

Explore complex geometric situations and relationships, moving towards formal mathematical arguments. Transformations are emphasized early in this course.

Prerequisite: *Algebra I*

Geometry Honors

30621H 30622H

9	10		

BLOCK 30620H

Explore complex geometric situations and relationships, moving towards formal mathematical arguments above and beyond the scope of regular Geometry. Transformations are emphasized early in this course.

Prerequisite: *Algebra I with a grade of A or B*

Algebra II

306311 306321

9	10	11	

BLOCK 306300

Students will build on their work with linear, quadratic, and exponential functions and extend their repertoire of functions to include polynomial, rational, radical functions and to solving exponential equations using the properties of logarithms.

Prerequisite: *Geometry*

Algebra II Honors

30631H 30632H

9	10	11	

BLOCK 30630H

Students will build on their work with linear, quadratic, and exponential functions and extend their repertoire of functions to include polynomial, rational, radical functions and to solving exponential equations using the properties of logarithms, above and beyond the scope of regular Algebra II.

Prerequisite: *Geometry Honors with a grade of A or B*

Financial Algebra

302711 302712

		11	12

BLOCK 302700

This course is designed to develop a strong foundation in logical thinking and problem solving that will enable students to make informed decisions regarding matters of money and finance in their daily lives.

Advanced Math Modeling 30251X 30152X

		11	12

Math 121B Dual Credit **BLOCK** 302500

Fourth Course Option. Primary focal points of Advanced Mathematical Modeling include the analysis of information using statistical methods and probability, modeling change and mathematical relationships, mathematical decision making in finance, and spatial and geometric modeling for decision-making. Must have taken the ACT or SAT and have a minimum GPA of 3.0. Failure to provide verification may result in removal from the course. This course is not an honors level course.

Prerequisite: *Algebra II*

Trigonometry 304811 304812

		11	12

BLOCK 304800

Fourth Course Option

Students will expand their work with trigonometric functions and their inverses as well as trigonometric identities.

Prerequisite: *Algebra II*

Trigonometry Honors 30481X 30482X

	10	11	12

Math 122 Dual Credit **BLOCK** 30480X

Fourth Course Option. Extends the Trigonometry content above the College and Career readiness standards for students planning on entering a STEM career. Must have an ACT Math Score of 22 or higher verified before the first day of class. Trigonometry Honors is a requirement for students wishing to take AP Calculus.

Prerequisite: *Algebra II Honors with a grade of A or B*

Pre-Calculus Honors 30181X 30182X

	10	11	12

Math 127 Dual Credit **BLOCK** 30180X

Fourth Course Option. Extends the Pre-Calculus content above the College and Career readiness standards for students planning on entering a STEM career. Must have an ACT Math Score of 19 Math or higher verified before the first day of class.

Prerequisite: *Trigonometry Honors with a grade of A or B*

AP Calculus AB 30311H 30312H

		11	12

This course meets for a block both semesters for two credits. This is an Advanced Placement course that will receive honors credit. The course will cover differential and integral calculus. It is strongly recommended that 11th graders enrolled in this course already have a Trigonometry, Pre-Calculus, or Math IV credit. Students are required to take the AP Calculus exam at the end of this course.

Prerequisite: *Trigonometry Honors with a grade of A or B*

AP Calculus-Honors BC

30321H 30322H

		11	12

This course is a continuation of AP Calculus AB. It includes more applications of differentials, convergence, and divergence. Students are required to take the AP Calculus exam at the end of this course.

Prerequisite: *Advanced Placement Calculus AB*

AP Computer Science Principles

30301H 30302H

9	10	11	12

The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems. Students are required to complete the AP projects and take the AP Computer Science Principles exam at the end of this course.

Prerequisite: *Algebra I recommended*

AP Computer Science A

28011H 28012H

	10	11	12

The fundamentals of Computing, including problem solving, working with data, understanding the Internet, cybersecurity, and programming. The goal is to broaden your understanding of computer science for use in a diversity of majors and careers.

Prerequisite: *Algebra I recommended and AP Computer Science Principles*

AP Statistics

30331H 30332H

	10	11	12

This course is primarily for college bound students. It includes probability and descriptive statistics with an introduction to inferential statistics. Computers and graphing calculators will be used to simulate probability situations. Students are required to take the AP Statistics exam at the end of this course.

Prerequisite: *Algebra II Honors*

Transition Mathematics for Seniors

305211 305221

			12

BLOCK 305200

This course prepares students for an entry-level credit bearing liberal studies mathematics course at the post-secondary level

Science

Biology

602111 602121

	10		

Academy Codes 6021I1 6021I2 6021P1 6021P2 6021S1 6021S2

Required science course for 10th grade students. Topics include cellular functions, chemical nature of life, microbiology, ecology, biotechnology, and genetics. This course meets the criteria for lab credit for college entrance.

Biology Honors – Block

60210H

	10		

Honors level of the biology course for 10th grade students. Topics include cellular functions, chemical nature of life, microbiology, ecology, biotechnology, and genetics with application emphasis. Recognized by 4-year colleges as a laboratory course for college entrance.

Chemistry – Block

603100

	10	11	12

Study of the nature of matter and the naturally existing relationships between the types of matter. Fundamental mathematical skills, concepts, and problem-solving skills are taught, along with emphasis on experimentation. This course counts as laboratory science credit for college admission and should be taken by all students planning to attend a 4-year college.

Prerequisite: *9th grade Earth and Space Science "B" or higher Recommended*

Chemistry Honors - Block

60310H

	10	11	12

Honors level of the chemistry course for 10th/11th grade students. Topics include study of the nature of matter and the naturally existing relationships between the types of matter. Fundamental mathematical skills, concepts, and problem-solving skills are taught, along with emphasis on experimentation and application. This course will be taught at a faster pace with more in-depth assignments. This course counts as laboratory science credit for college admission and should be taken by all students planning to attend a 4-year college.

Prerequisite: *9th grade Earth and Space Science "B" or higher Recommended*

Environmental Science

631211 631221

		11	12

A lab Science course which builds on foundational knowledge of the chemical, physical, biological, geological processes and focuses on the natural world and man's impact on it.

Prerequisite: *Earth and Space Science, Biology Recommended*

Forensic Science

604411 604421

		11	12

This course will utilize skills that investigators use to solve crimes. Using physics, chemistry, biology and earth science students will engage in evidence collection to interpret and analyze data to propose a case supported by evidence.

Prerequisite: *Earth and Space Science, Biology*

Forensic Science Honors

60441H 60442H

		11	12

This course will utilize skills that investigators use to solve crimes. Using physics, chemistry, biology and earth science students will engage in evidence collection to interpret and analyze data to engage in real crimes. Students will be expected work in a class that is project based where they will model real crimes.

Prerequisites: *Biology Honors, Chemistry Honors Recommended*

Human Anatomy and Physiology

610311 610321

		11	12

BLOCK 610300

Counts as a laboratory science credit for college admission. This is a suggested 4th course for students interested in health occupations.

Prerequisite: *Biology, Chemistry Recommended*

Human Anatomy and Physiology Honors

61031H 61032H

		11	12

BLOCK 61030H

Counts as a laboratory science credit for college admission. This is a suggested 4th course for students interested in health occupations.

Prerequisite: *Biology Honors B or higher, Chemistry Honors B or higher Recommended*

Physics Honors Block

60410H

		11	12

This course is intended for students planning on becoming college science majors. Topics includes concepts and experimentation in measurement, motion, forces, fluids/pressure, heat, and thermodynamics. This course counts as laboratory science credit for college admission.

Prerequisite: *Algebra II, Trigonometry Recommended*

AP Biology

61211H 61212H

		11	12

AP Biology is equivalent to introductory college biology for science and health care majors. Topics include biological chemistry, cells, energy transformations, molecular genetics, heredity, evolution, ecology, plants, animals, and taxonomy. Meets every day for 90 minutes for two credits. This course counts as laboratory science credit for college admission.

Prerequisite: *Biology with a "B" or higher Recommended*

AP Chemistry

63211H 63212H

		11	12

AP Chemistry is equivalent to introductory college chemistry for science and health care majors. Topics include atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Meets every day for 90 minutes for two credits. This course counts as laboratory science credit for college admission.

Prerequisite: *Chemistry with a "B" or higher Recommended*

AP Environmental Science

62211H 62212H

		11	12

AP Environmental Science is equivalent to introductory college environmental science. This course provides students with the principles, concepts and methodologies to understand the interrelationships of the natural world, and identify and analyze environmental problems both natural and man-made. Meets every day for 45 minutes for one credit. This course counts as laboratory science credit for college admission.

Prerequisite: *Chemistry/ Biology Recommended*

AP Physics B - Block

63230H

			12

AP Physics is equivalent to introductory college physics for science and health care majors. Topics include mechanics, fluids, thermodynamics, material behavior, waves, sound, electricity, optics, electromagnetism, relativity, and atom/quantum physics. This course counts as laboratory science credit for college admission

Prerequisite: *Algebra II, Trigonometry Recommended*

BSC 104 College Biology

61611X

			12

Dual Credit for the Non-Science Major

First semester of college biology for students who are not planning a major in the science or health care fields. Topics include cells, photosynthesis, respiration, genetics, DNA, prokaryotes, viruses, protists, and plants. Offered Fall semester only. This course meets the Biological Science requirement for graduation.

Prerequisite: *3.0 GPA*

BSC 105 College Biology

61610X

			12

Dual Credit for the Non-Science Major

Second semester of college biology for students who are not planning a major in the science or health care fields. Topics include systems of the body, genetics, evolution, ecology, and human immunity/diseases. Offered Spring semester only.

Prerequisite: *3.0 GPA*

Social Studies

US Studies

	10		

Academy Codes 7009I1 7009I2 7009P1 7009P2 7009S1 7009S2

Tenth Grade examines the formative years from the colonization of what would be the United States to its transformation as a dominant political and economic influence in the world at the beginning of the twentieth century.

US Studies Honors

	10		

Academy Codes 7009I7 7009I8 7009P7 7009P8 7009S7 7009S8

An American History course taught as part of the Honors program to provide an integrated study of history and literature of the period. This class may be substituted for the regular 10th grade social studies class. Outside research projects are required. THIS CLASS CANNOT BE DROPPED AFTER REGISTRATION IS COMPLETED.

AP United States History

70461H 70462H

	10	11	12

AP U.S. History is designed to be the equivalent of a two-semester introductory college or university U.S. history course. In AP U.S. History students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. This course may be substituted for either U. S. Studies or U. S. Studies Comprehensive OR be taken as an elective.

Contemporary Studies

		11	

Academy Codes 7011I1 7011I2 7011P1 7011P2 7011S1 7011S2

Eleventh Grade Contemporary Studies examines the interactions between the United States and the world since 1914 to present day.

History 103 Dual Credit

70111X 70112X

		11	

The World Since 1850 Contemporary Studies

This course analyzes the major developments in the World from 1850 to present day. The course begins with a study of the Age of Imperialism, moving through World War I, the Interwar Period, the Great Depression, and World War II during the first semester. The second semester pertains to the shaping of the post-war power structure in the world, the Cold War, and the Information Age. Juniors may substitute this course for Contemporary Studies.

Prerequisite: *3.0 GPA*

Civics for Next Generation

			12

Academy Codes 7031I1 7031I2 7031P1 7031P2 7031S1 7031S2

BLOCK 703100

Designed as a culminating history class that fosters informed citizens essential to the perpetuation of the American Republic.

AP Economics

704111 704121

		11	12

Combination of two AP courses: AP Macroeconomics and AP Microeconomics. At the end of the year, students will take AP exams for both courses. ADVANCED PLACEMENT EXAMINATION IS REQUIRED, PAID FOR BY THE DISTRICT. This course can be used as a required 11th grade Social Studies credit (if AP US History was taken as a sophomore) or as a 12th grade global elective.

AP European History

70451H 70452H

	10	11	12

Study of modern European History, 1450 to the present, with particular reference to the Renaissance/ Reformation, the rise of strong central governments, plus major social, economic and intellectual trends. A list of collateral reading with written commentaries will be required. ADVANCED PLACEMENT EXAMINATION IS REQUIRED, PAID FOR BY THE DISTRICT. This course can be used as a required 11th grade Social Studies credit (if AP US History was taken as a sophomore) or as a 12th grade global elective.

AP Psychology

70471H 70472H

		11	12

Includes the study of human behavior and cognition in learning principles, memory and thought, altered states of consciousness, personality theories, human development, testing, and disturbance. Some outside research is required. ADVANCED PLACEMENT EXAMINATION IS REQUIRED, PAID FOR BY THE DISTRICT. This course can be used as a required 11th grade Social Studies credit (if AP US History was taken as a sophomore) or as a 12th grade global elective.

Psychology 201 Dual Credit

70471X 70472X

		11	12

Introductory Psychology

This course introduces students to the principles and methods of the scientific study of behavior and mental processes

AP United States Government and Politics

70441H 70442H

			12

Analytically evaluate how people behave politically. Interpret American politics and how government helps to shape public policy. Covers the design of America's political system, its structure, and how individual and group interests combine, each promoting its own agenda. ADVANCED PLACEMENT EXAMINATION IS REQUIRED, PAID FOR BY THE DISTRICT. May be substituted for Civics for Next Generation.

College and Career Academies

Integrating your passion with the practicality of education…

Preparing you for the real world

Whether you decide to pursue a college degree or head straight into the workforce, you need to be able to demonstrate essential 21st century skills after graduating high school. By selecting a Program to join within our College and Career Academies, you will be well on your way to ensuring you are prepared for whatever you choose to pursue following graduation.

Academic and Career Academies

Our Academies, provide s school within a school structure to our building, creating a smaller learning community that provides real-world experiences with local businesses and professionals, linking schoolwork to the workplace. Regular coursework is presented within the context of the academy's focus.

Course Selection

Each of our Academies offer several programs of study aligned with the career interest focus of the Academy. Students will select one program of study, which is composed of 4-career interest specific electives, to complete during their 4 years at CMHS. It is also important to note that in addition to their selected program of study, students can also participate in our Visual and Performing Arts programs, as well as AP and College Dual Enrollment courses. These courses are called "Global" Courses and are available to students in all academies.

Cabell Midland High School College and Career Academies

Agriscience and STEM Academy

Programs of Study:

Air Force JROTC	**Animal Systems**
Agribusiness	**Engineering**
Agricultural Mechanics	**Plant Systems**

Health Sciences and Wellness Academy

Programs of Study:

Patient Care Technician	**Pharmacy Technician**
Sports Medicine	**Health Informatics**
Weight Conditioning	**Personal Fitness and Wellness**
Electrocardiograph Technician and Phlebotomy Skills	

Human and Public Services Academy

Programs of Study:

Broadcast Journalism	**Culinary Arts**
Early Childhood Education	

Agriscience and STEM Academy

4-year plans

and

Academy Elective Course Descriptions

Agriscience and STEM Academy

Agriscience and STEM Academy:

Air Force JROTC *Sample: 4-Year Plan*

AFJROTC is NOT a recruiting program for the military. AFJROTC exists only to instill the values of citizenship, service to the United States, personal responsibility, and personal responsibility through education and mentoring. The AFJROTC program is a 3 to 4 academic year course of military-based instruction. The curriculum includes an introduction to aviation history, aviation and space science, college and career readiness, global studies, practical leadership, and health and wellness.

Subject	9th	10th	11th	12th
English	English 9	English 10	English 11, AP English Language	English 12, AP English Literature, Dual Credit English 101/102
Social Studies	World Studies	US Studies, AP U.S. History	Contemporary Studies	Civics, AP US Government
Math	Algebra I	Geometry	Algebra II	Additional Math Course
Science	Earth Space Science	Biology, AP Biology	Chemistry OR Additional Lab Science	Additional Lab Science
Academy Electives	AFJROTC I	AFJROTC II*	AFJROTC III	AFJROTC IV**
PE/Health/ Fine Art	Physical Education OR Health	Physical Education OR Health	FINE ART (1 credit)	Elective
Elective/ Foreign Language	*Elective or for College Readiness Recommended:* Foreign Language I	*Elective or for College Readiness Recommended:* Foreign Language II	Elective	Elective

Upon Successful Completion of this 4-year plan students will earn a high school diploma AND…

- AFJROTC II is Dual Enrollment Course with Mount West Community and Technical College MILS 101
- AFJROTC IV is a Dual Enrollment course with Mount West Community and Technical College MILS 201 and LAB
- NOCTI Workforce Ready

*Physical Education is an embedded credit earned upon completion of AFJROTC I and AFJROTC II.

** Completion of AFJROTC I, II, III, IV fulfills a graduation requirement for Social Studies.

Agriscience and STEM Academy

Agriscience and STEM Academy:

Agribusiness *Sample: 4-Year Plan*

The Agribusiness Program of Study focuses on entrepreneurial and technical skills in the broad spectrum of Agriculture, Food, and Natural Resources. Students can choose 1 of 3 Specializations in which to develop business management and marketing knowledge.

Subject	9th	10th	11th	12th
English	English 9	English 10	English 11, AP English Language	English 12, AP English Literature, Dual Credit English 101/102
Social Studies	World Studies	US Studies, AP U.S. History	Contemporary Studies	Civics, AP US Government
Math	Algebra I	Geometry	Algebra II	Additional Math Course
Science	Earth Space Science	Biology, AP Biology	Chemistry OR Additional Lab Science	Additional Lab Science
Academy Electives	Introduction to Agriculture	Science of Agriculture	Select (1) Specialization: • Horticulture • Animal Production Management • Fundamentals of Agriculture Mechanics	
			Agriculture Experience Program*	
PE/Health/ Fine Art	Physical Education OR Health	Physical Education OR Health	FINE ART (1 credit)	Elective
Elective/ Foreign Language	*Elective or for College Readiness Recommended:* Foreign Language I	*Elective or for College Readiness Recommended:* Foreign Language II	Elective	Elective

Upon Successful Completion of this 4-year plan students will earn a high school diploma AND…	• NOCTI: Production Agriculture *Agriculture Experience Program: Students shall Receive ½ credit per academic year based upon the successful completion of approved SAE and submission of approved documentation. Two years must be completed to meet requirement.

Agriscience and STEM Academy

Agriscience and STEM Academy:

Agricultural Mechanics *Sample: 4-Year Plan*

The Agricultural Mechanics Program of Study focuses on the principles of operation and maintenance of mechanical equipment, welding fabrications, plumbing, electrical wiring, power utilization and the entrepreneurship.

Subject	9th	10th	11th	12th
English	English 9	English 10	English 11, AP English Language	English 12, AP English Literature, Dual Credit English 101/102
Social Studies	World Studies	US Studies, AP U.S. History	Contemporary Studies	Civics, AP US Government
Math	Algebra I	Geometry	Algebra II	Additional Math Course
Science	Earth Space Science	Biology, AP Biology	Chemistry OR Additional Lab Science	Additional Lab Science
Academy Electives	Introduction to Agriculture	Fundamentals of Agriculture Mechanics	Agriculture Equipment and Repair	Elective
	Agriculture Experience Program*			
PE/Health/ Fine Art	Physical Education OR Health	Physical Education OR Health	FINE ART (1 credit)	Elective
Elective/ Foreign Language	*Elective or for College Readiness Recommended:* Foreign Language I	*Elective or for College Readiness Recommended:* Foreign Language II	Elective	Elective

Upon Successful Completion of this 4-year plan students will earn a high school diploma AND…

- NOCTI: Agriculture Mechanics

*Agriculture Experience Program: Students shall Receive ½ credit per academic year based upon the successful completion of approved SAE and submission of approved documentation. Two years must be completed to meet requirement.

Agriscience and STEM Academy

Agriscience and STEM Academy:

Animal Systems *Sample: 4-Year Plan*

The Animal Systems Program of Study focuses on the advanced knowledge of veterinary science. The understanding of breeds, animal health, nutrition, training, reproduction and anatomy of small domestic animals such as; dogs, cats, birds, rabbits, fish and other pets. Students will care for and handle a variety of animals daily.

Subject	9th	10th	11th	12th
English	English 9	English 10	English 11, AP English Language	English 12, AP English Literature, Dual Credit English 101/102
Social Studies	World Studies	US Studies, AP U.S. History	Contemporary Studies	Civics, AP US Government
Math	Algebra I	Geometry	Algebra II	Additional Math Course
Science	Earth Space Science	Biology, AP Biology	Chemistry OR Additional Lab Science	Additional Lab Science
Academy Electives	Introduction to Agriculture	Animal Production and Management	Select (1) Specialization: • Companion Animal Care • Aquaculture Agriculture Experience Program*	
PE/Health/ Fine Art	Physical Education OR Health	Physical Education OR Health	FINE ART (1 credit)	Elective
Elective/ Foreign Language	*Elective or for College Readiness Recommended:* Foreign Language I	*Elective or for College Readiness Recommended:* Foreign Language II	Elective	Elective

Upon Successful Completion of this 4-year plan students will earn a high school diploma AND…	• Companion Animal Care is a Dual Enrollment Course with Mount West Community and Technical College – VET 101: Introduction to Veterinary Science • NOCTI: Animal Systems *Agriculture Experience Program: Students shall Receive ½ credit per academic year based upon the successful completion of approved SAE and submission of approved documentation. Two years must be completed to meet requirement.

Agriscience and STEM Academy

Agriscience and STEM Academy:

Plant Systems *Sample: 4-Year Plan*

The Plant Systems Program of Study focuses on entrepreneurial and technical skills in the areas of plant science, greenhouse management and production and floriculture. Students will experience hands-on learning through our student operated CMHS Greenhouse and by creating floral arrangements and centerpieces for banquets hosted at Cabell Midland.

Subject	9th	10th	11th	12th
English	English 9	English 10	English 11, AP English Language	English 12, AP English Literature, Dual Credit English 101/102
Social Studies	World Studies	US Studies, AP U.S. History	Contemporary Studies	Civics, AP US Government
Math	Algebra I	Geometry	Algebra II	Additional Math Course
Science	Earth Space Science	Biology, AP Biology	Chemistry OR Additional Lab Science	Additional Lab Science
Academy Electives	Introduction to Agriculture	Horticulture	Select (1) Specialization: • Greenhouse Production and Management • Floriculture**	
			Agriculture Experience Program*	
PE/Health/ Fine Art	Physical Education OR Health	Physical Education OR Health	FINE ART (1 credit)	Elective
Elective/ Foreign Language	*Elective or for College Readiness Recommended:* Foreign Language I	*Elective or for College Readiness Recommended:* Foreign Language II	Elective	Elective

Upon Successful Completion of this 4-year plan students will earn a high school diploma AND…	• NOCTI: Workplace Readiness *Agriculture Experience Program: Students shall Receive ½ credit per academic year based upon the successful completion of approved SAE and submission of approved documentation. Two years must be completed to meet requirement. **Floriculture fulfills the Fine Art Credit required for graduation

Agriscience and STEM Academy

Agriscience and STEM Academy:

Engineering – Project Lead the Way *Sample: 4-Year Plan*

The Pre-Engineering Program of Study focuses a broad range of engineering careers and foundational knowledge including basic safety, plan reading, use of tools and equipment as well as how to employ positive work ethics in an engineering career. Students will have the opportunity to utilize VEX robotics in the curriculum and compete in robotics competitions.

Subject	9th	10th	11th	12th
English	English 9	English 10	English 11, AP English Language	English 12, AP English Literature, Dual Credit English 101/102
Social Studies	World Studies	US Studies, AP U.S. History	Contemporary Studies	Civics, AP US Government
Math	Algebra I	Geometry	Algebra II	Additional Math Course
Science	Earth Space Science	Biology, AP Biology	Chemistry OR Additional Lab Science	Additional Lab Science
Academy Electives	Introduction to Engineering Design	Principles of Engineering*	Digital Electronics	Civil Engineering and Architecture
PE/Health/ Fine Art	Physical Education OR Health	Physical Education OR Health	FINE ART (1 credit)	Elective
Elective/ Foreign Language	*Elective or for College Readiness Recommended:* Foreign Language I	*Elective or for College Readiness Recommended:* Foreign Language II	Elective	Elective

Upon Successful Completion of this 4-year plan students will earn a high school diploma AND…

- Civil Engineering and Architecture is a Dual Enrollment Course for Marshall University: ENGR 280/281
- Mount West Community and Technical College – TBD
- NOCTI: Pre-Engineering/Engineering Technology

*Principles of Engineering course fulfills the Graduation Requirement for a 3rd Science Credit

Agriscience and STEM Electives

Agriscience

Introduction to Agriculture, Food and Natural Resources 0101E1 0101E2

9	10	11	12

The introductory course to all Agriscience programs. Designed for students who have an interest in and wish to incorporate basic skills in agriscience and/or agribusiness.

The Science of Agriculture 0102E1 0102E2

	10	11	12

Designed to enable students to further develop leadership skills, and record keeping during their Supervised Agricultural Experiences. FFA membership is recommended.
Prerequisite: Introduction to Agriculture, Food and Natural Resources

Agricultural Experience Program 013411 013421

	10	11	12

Students shall receive 0.5 credit per academic year based on completion of approved SAE and submission documentation.

Agriscience Specializations

Agriculture Equipment and Repair 0114E1 0114E2

	10	11	12

Builds on principles of the previous course and provides more in-depth knowledge and skills as they relate to energy sources, lubricants, service and maintenance of machinery and equipment, and equipment operation.
Prerequisite: Fundamentals of Agriculture Mechanics

Animal Production and Management 0140E1 0140E2

	10	11	12

Designed to give students the advanced knowledge of veterinary science, which includes the study of large farm animals.
Prerequisite: Introduction to Agriculture, Food and Natural Resources

Agriscience and STEM Electives

Aquaculture

0140E1 0141E2

	10	11	12

Designed to provide experiential knowledge, skills and entrepreneurial competencies needed to enter various occupations in aquaculture and other scientific fields with in aquaculture. Supervised Agricultural Experience is required and FFA membership is recommended.
Prerequisite: Introduction to Agriculture, Food and Natural Resources

Companion Animal Care

0149E1 0149E2

9	10	11	12

Contains the ever-growing popularity of small domestic animals (dogs, cates, birds, fish, and other pets) and their care. Supervised Agricultural Experience is required. FFA membership is recommended.

Fish and Wildlife Management

0190E1 0190E2

	10	11	12

Designed to provide instruction and training in the areas of leadership, history of fish and wildlife, wildlife management concepts, water quality, habitat management, life history and wildlife values as a natural resource. Supervised agricultural experience is required. FFA membership is recommended.
Prerequisite: Introduction to Agriculture, Food and Natural Resources

Floriculture

0213E1 0213E2

9	10	11	12

Basic principles of floral design. Supervised Agricultural experience is required. FFA is recommended. Satisfies the Graduation Requirement of a Fine Art Credit.

Fundamentals of Agriculture Mechanics

0112E1 0112E2

	10	11	12

Applying physical science principles and principles of operation and maintenance to mechanical equipment, welding and fabrication, structures, plumbing, electrical wiring, power utilization, and entrepreneurship. FFA membership is recommended.
Prerequisite: Introduction to Agriculture, Food and Natural Resources

Agriscience and STEM Electives

Greenhouse Production and Management 0214E1 0214E2

	10	11	12

Designed to provide both college- bound and work bound students with the basic skills and knowledge needed in the greenhouse management industry.
Prerequisite: Introduction to Agriculture, Food and Natural Resources

Horticulture 0212E1 0212E2

	10	11	12

Concentrates on students receiving practical hands-on experience with principles and practices of field greenhouse production. Supervised Agriculture Experience is required. FFA membership is recommended.
Prerequisite: Introduction to Agriculture, Food and Natural Resources

Aerospace Science - AFJROTC

AFJROTC I 106511 106521

9	10	11	12

Covers the role of the military and the evolution and importance of air power in the history of the United States as well as the general defense structure of the United States, including the organization and mission of the US Air Force.

AFJROTC II 106611 106621

	10	11	12

Designed to familiarize students with the aerospace environment, the principles of flights and navigation, and human limitations of flight.
Prerequisite: *AFROTC I*

AFJROTC III 108011 108021

		11	12

Study propulsion systems principles, rocketry fundamentals and their applications to spacecraft, principles underlying space travel, and various aspects of space exploration.
Prerequisite: *AFROTC II*

AFJROTC IV 108111 108121

			12

Participate in the management of the cadet corps and study careers available in the civilian and military aerospace communities.
Prerequisite: *AFROTC III*

Agriscience and STEM Electives

Computer Science

AP Computer Science Principles 30301H 30302H

9	10	11	12

The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems. Students are required to complete the AP projects and take the AP Computer Science Principles exam at the end of this course.
Prerequisite: *Algebra I*

AP Computer Science A 28011H 28012H

	10	11	12

The fundamentals of Computing, including problem solving, working with data, understanding the Internet, cybersecurity, and programming. The goal is to broaden your understanding of computer science for use in a diversity of majors and careers.
Prerequisite: *Algebra I and AP Computer Science Principles*

Engineering

Introduction to Engineering Design 246111 246121

9	10	11	12

Teaches problem solving skills using a design development process. Models of product solutions are created, analyzed and communicated using solid modeling computer software.

Principles of Engineering 246311 246321

	10	11	12

Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people.
Prerequisite: Introduction to Engineering Design

Agriscience and STEM Electives

Digital Electronics 246211 246221

		11	12

Teaches applied logic through work with electronic circuitry, which students also construct and test for functionality.
Prerequisite: Introduction to Engineering and Principles of Engineering

Civil Engineering and Architecture 246611 246621

		11	12

Provides and Overview of the fields of Civil Engineering and Architecture, while emphasizing the interrelationship and dependence of both fields on each other.
Prerequisite: Introduction to Engineering and Principles of Engineering

Health Science and Wellness Academy

4-year Plans

and

Academy Elective

Course Descriptions

Health Sciences and Wellness Academy

Health Science and Wellness Academy:

Electrocardiograph Tech and Phlebotomy Skills

Sample: 4-Year Plan

The Electrocardiograph Technician and Phlebotomy Skills Program of Study allows students to explore various careers in Healthcare as well as learn the basics in medical terminology, nutrition and health maintenance practices. The curriculum of this program focuses on the operation of a 12-lead electrocardiograph machine and the design and functions of the cardiac system. Performing laboratory duties and practicing the skill of Phlebotomy. Students will take part in a clinical experience at local hospitals, physician offices and/or laboratories.

Subject	9th	10th	11th	12th
English	English 9	English 10	English 11, AP English Language	English 12, AP English Literature, Dual Credit English 101/102
Social Studies	World Studies	US Studies, AP U.S. History	Contemporary Studies	Civics, AP US Government
Math	Algebra I	Geometry	Algebra II	Additional Math Course
Science	Earth Space Science	Biology, AP Biology	Chemistry OR Additional Lab Science	Additional Lab Science
Academy Electives	Foundations of Health Science*	Advanced Principles of Health Science*	Medical Terminology	Phlebotomy Skills
PE/Health/ Fine Art	Physical Education OR Health	Physical Education OR Health	FINE ART (1 credit)	Electrocardiograph Technician
Elective/ Foreign Language	*Elective or for College Readiness Recommended:* Foreign Language I	*Elective or for College Readiness Recommended:* Foreign Language II	Elective	Elective

*Admission to Advanced Principles of Health Science requires a minimum course completion score of 80% in Foundations of Health Science.

Upon Successful Completion of this 4-year plan students will earn a high school diploma AND…

- *Foundations of Health Science* is a Dual Enrollment course with Mount West Community and Technical College for *AH100 Careers in Healthcare.*
- *Medical Terminology* is a Dual Enrollment course with Mount West Community and Technical College for *AH151 Medical Terminology.*
- CPR/AED Healthcare Provider Certification
- First Aid Certification
- OSHA 10 Certification
- Preventing Disease Transmission Certification
- Electrocardiograph and Phlebotomy Technician Certifications
- NOCTI: Healthcare Core

Health Sciences and Wellness Academy

Health Science and Wellness Academy:

Health Informatics *Sample: 4-Year Plan*

The Health Informatics Pathway prepares the student for occupations or functions that document client care, analyze data and improve healthcare. Included is competency-based applied learning that contributes to the academic knowledge need for all aspects of Health Science occupations and to continue in post-secondary programs.

Subject	9th	10th	11th	12th
English	English 9	English 10	English 11, AP English Language	English 12, AP English Literature, Dual Credit English 101/102
Social Studies	World Studies	US Studies, AP U.S. History	Contemporary Studies	Civics, AP US Government
Math	Algebra I	Geometry	Algebra II	Additional Math Course
Science	Earth Space Science	Biology, AP Biology	Chemistry OR Additional Lab Science	Additional Lab Science
Academy Electives	Foundations of Health Science*	Advanced Principles of Health Science*	Introduction to Health Informatics	Healthcare Statistics
PE/Health/ Fine Art	Physical Education OR Health	Physical Education OR Health	FINE ART (1 credit)	Elective
Elective/ Foreign Language	*Elective or for College Readiness Recommended:* Foreign Language I	*Elective or for College Readiness Recommended:* Foreign Language II	Elective	Elective

*Admission to Advanced Principles of Health Science requires a minimum course completion score of 80% in Foundations of Health Science.

Upon Successful Completion of this 4-year plan students will earn a high school diploma AND…	• *Foundations of Health Science* is a Dual Enrollment course with Mount West Community and Technical College for *AH100 Careers in Healthcare.* • *Medical Terminology* is a Dual Enrollment course with Mount West Community and Technical College for *AH151 Medical Terminology.* • CPR/AED Healthcare Provider Certification • First Aid Certification • OSHA 10 Certification • Preventing Disease Transmission Certification • Electronic Health Record Specialist Certification • NOCTI: Health Informatics

Health Sciences and Wellness Academy

Health Science and Wellness Academy:

Patient Care Tech *Sample: 4-Year Plan*

The Patient Care Technician Program of Study allows students to explore various careers in Health Care, as well as the foundations in medical terminology, nutrition, and health maintenance practices. The curriculum of this program is focused on learning and practicing the knowledge, skills and techniques to address the basic care and needs of patients in a health care facility. Students will take part in a clinical rotation at local hospitals and nursing homes.

Subject	9th	10th	11th	12th
English	English 9	English 10	English 11, AP English Language	English 12, AP English Literature, Dual Credit English 101/102
Social Studies	World Studies	US Studies, AP U.S. History	Contemporary Studies	Civics, AP US Government
Math	Algebra I	Geometry	Algebra II	Additional Math Course
Science	Earth Space Science	Biology, AP Biology	Chemistry OR Additional Lab Science	Additional Lab Science
Academy Electives	Foundations of Health Science*	Advanced Principles of Health Science*	Medical Terminology	Clinical Specialties I
PE/Health/ Fine Art	Physical Education OR Health	Physical Education OR Health	FINE ART (1 credit)	Clinical Specialties II
Elective/ Foreign Language	*Elective or for College Readiness Recommended:* Foreign Language I	*Elective or for College Readiness Recommended:* Foreign Language II	Elective	Elective

*Admission to Advanced Principles of Health Science requires a minimum course completion score of 80% in Foundations of Health Science.

Upon Successful Completion of this 4-year plan students will earn a high school diploma AND…

- *Foundations of Health Science* is a Dual Enrollment course with Mount West Community and Technical College for *AH100 Careers in Healthcare.*
- *Medical Terminology* is a Dual Enrollment course with Mount West Community and Technical College for *AH151 Medical Terminology.*
- CPR/AED Healthcare Provider Certification
- First Aid Certification
- OSHA 10 Certification
- Preventing Disease Transmission Certification
- Patient Care Technician Certification
- NOCTI: Healthcare Core

Health Sciences and Wellness Academy

Health Science and Wellness Academy:

Pharmacy Technician *Sample: 4-Year Plan*

The Pharmacy Technician Program of Study allows students to explore various careers in Health Care, as well as basics in medical terminology, nutrition, and health maintenance practices. During the PTCB Prep course students will work with a self-paced curriculum to gain the knowledge and skills required to pass the Pharmacy Technician certification exam and participate in their clinical internship alongside Pharmacist's and Pharmacy Technicians in local community pharmacies.

Subject	9th	10th	11th	12th
English	English 9	English 10	English 11, AP English Language	English 12, AP English Literature, Dual Credit English 101/102
Social Studies	World Studies	US Studies, AP U.S. History	Contemporary Studies	Civics, AP US Government
Math	Algebra I	Geometry	Algebra II	Additional Math Course
Science	Earth Space Science	Biology, AP Biology	Chemistry OR Additional Lab Science	Additional Lab Science
Academy Electives	Foundations of Health Science*	Advanced Principles of Health Science*	Medical Terminology	PTCB Prep
PE/Health/ Fine Art	Physical Education OR Health	Physical Education OR Health	FINE ART (1 credit)	PTCB Clinical Applications
Elective/ Foreign Language	*Elective or for College Readiness Recommended:* Foreign Language I	*Elective or for College Readiness Recommended:* Foreign Language II	Elective	Elective

*Admission to Advanced Principles of Health Science requires a minimum course completion score of 80% in Foundations of Health Science.

Upon Successful Completion of this 4-year plan students will earn a high school diploma AND…

- *Foundations of Health Science* is a Dual Enrollment course with Mount West Community and Technical College for *AH100 Careers in Healthcare.*
- *Medical Terminology* is a Dual Enrollment course with Mount West Community and Technical College for *AH151 Medical Terminology.*
- CPR/AED Healthcare Provider Certification
- First Aid Certification
- OSHA 10 Certification
- Preventing Disease Transmission Certification
- Pharmacy Technician Certification
- NOCTI: Healthcare Core

Health Sciences and Wellness Academy

Health Science and Wellness Academy:

Personal Fitness and Wellness Training *Sample: 4-Year Plan*

The Personal Fitness and Wellness Training Program of Study focuses on knowledge, skills, attitudes and practices related to the field of coaching wellness for optimal living including: wellness concepts; foundations of physical and emotional wellness; common conditions requiring wellness strategies; and motivational theories. Students will work with wellness centers in the community to develop community projects, events and activities to promote a healthy lifestyle.

Subject	9th	10th	11th	12th
English	English 9	English 10	English 11, AP English Language	English 12, AP English Literature, Dual Credit English 101/102
Social Studies	World Studies	US Studies, AP U.S. History	Contemporary Studies	Civics, AP US Government
Math	Algebra I	Geometry	Algebra II	Additional Math Course
Science	Earth Space Science	Biology, AP Biology	Chemistry OR Additional Lab Science	Additional Lab Science
Academy Electives	Foundations of Wellness	Models of Wellness Training	Wellness Coaching Skills	Practical Applications of Wellness Training
PE/Health/ Fine Art	Physical Education OR Health	Physical Education OR Health	FINE ART (1 credit)	Elective
Elective/ Foreign Language	*Elective or for College Readiness Recommended:* Foreign Language I	*Elective or for College Readiness Recommended:* Foreign Language II	Elective	Elective

Upon Successful Completion of this 4-year plan students will earn a high school diploma AND…	• CPR/AED Healthcare Provider Certification • First Aid Certification • OSHA 10 Certification • American Fitness Professionals and Association Certification • NOCTI: Workplace Readiness

Health Sciences and Wellness Academy

Health Science and Wellness Academy:

Weight Conditioning *Sample: 4-Year Plan*

Subject	9th	10th	11th	12th
English	English 9	English 10	English 11, AP English Language	English 12, AP English Literature, Dual Credit English 101/102
Social Studies	World Studies	US Studies, AP U.S. History	Contemporary Studies	Civics, AP US Government
Math	Algebra I	Geometry	Algebra II	Additional Math Course
Science	Earth Space Science	Biology, AP Biology	Human Anatomy	Chemistry OR Additional Lab Science
Academy Electives	Weight Conditioning I	Weight Conditioning II	Weight Conditioning III	Elective
PE/Health/ Fine Art	Physical Education OR Health	Physical Education OR Health	FINE ART (1 credit)	Elective
Elective/ Foreign Language	*Elective or for College Readiness Recommended:* Foreign Language I	*Elective or for College Readiness Recommended:* Foreign Language II	Elective	Elective

Upon Successful Completion of this 4-year plan students will earn a high school diploma AND…	• CPR/AED Healthcare Provider Certification • First Aid Certification

Health Sciences and Wellness Academy

Health Science and Wellness Academy:

Sports Medicine *Sample: 4-Year Plan*

Classroom instruction covers such topics as: medical terminology; human anatomy; emergency procedures; soft tissue and bone injuries; causes, symptoms and management of injuries; nutrition; physical fitness; and career opportunities. In addition to this ongoing classroom instruction, students will take part in work-based experiences with local occupations such as; physical therapists, chiropractors, athletic trainers, physical education instructors and recreational facility managers

Subject	9th	10th	11th	12th
English	English 9	English 10	English 11, AP English Language	English 12, AP English Literature, Dual Credit English 101/102
Social Studies	World Studies	US Studies, AP U.S. History	Contemporary Studies	Civics, AP US Government
Math	Algebra I	Geometry	Algebra II	Additional Math Course
Science	Earth Space Science	Biology, AP Biology	Human Anatomy	Chemistry OR Additional Lab Science
Academy Electives	Sports Medicine I	Sports Medicine II	Sports Medicine III	Sports Medicine IV
PE/Health/ Fine Art	Physical Education OR Health	Physical Education OR Health	FINE ART (1 credit)	Elective
Elective/ Foreign Language	*Elective or for College Readiness Recommended:* Foreign Language I	*Elective or for College Readiness Recommended:* Foreign Language II	Elective	Elective

Upon Successful Completion of this 4-year plan students will earn a high school diploma AND…	• CPR/AED Healthcare Provider Certification • First Aid Certification

Health Sciences and Wellness Electives

Foundations of Health Science 0711E1 0711E2

9	10	11	12

Designed to allow instructional content to focus on basic medical terminology, growth and development, nutrition, health maintenance practices and healthcare delivery systems.
Prerequisite: *9th grade or higher reading level*

Foundations of Health Science - Block 0711E0

9	10	11	12

Designed to allow instructional content to focus on basic medical terminology, growth and development, nutrition, health maintenance practices and healthcare delivery systems.
Prerequisite: *9th grade of higher reading level*

Advanced Principles of Health Science 0715E1 0715E2

	10	11	12

Instructional content will focus on healthcare safety, environmental safety processes and procedures, ethical and legal responsibilities and mathematical computations.
Prerequisite: *9th grade or higher reading level; 80% in Foundations of Health Science*

Advanced Principles of Health Science - BLOCK 0715E0

	10	11	12

Instructional content will focus on healthcare safety, environmental safety processes and procedures, ethical and legal responsibilities and mathematical computations.
Prerequisite: *9th grade or higher reading level; 80% in Foundations of Health Science*

Electrocardiograph Technician & Phlebotomy Skills

Electrocardiograph Technician - Block 0810E0

			12

Instructional content will focus on basic operation of 12-lead electrocardiograph machine, explanation of the Einthoven triangle related to the cardiac system.
Prerequisite: *At least 80% in Foundations of Health Science and at least 80% in Advanced Principles of Health Science*

Phlebotomy Skills - Block 0825E0 12

Instructional content will focus on performing laboratory duties requiring accuracy, timeliness and documentation.
Prerequisite: *At least 80% in Foundations of Health Science and at least 80% in Advanced Principles of Health Science*

Health Sciences and Wellness Electives

Health Informatics

Introduction to Health Informatics 0769E1 0769E2

		11	12

This course is designed to study the field of information science concerned with the management of all aspects of health data and information through the application of computers and computer technologies.

Prerequisite: *At least 80% in Foundations of Health Science and at least 80% in Advanced Principles of Health Science*

Patient Care Technician

Clinical Specialty I - Block 0789E0

			12

Students who have selected to go into the Patient Care Technician Program of Study, will study the duties, responsibilities and legal regulations of the profession. During this course the student must complete a minimum of 25-55 off-campus clinical rotation. FALL SEMESTER

Prerequisite: *At least 80% in Foundations of Health Science and at least 80% in Advanced Principles of Health Science*

Clinical Specialty II - Block 0790E0

			12

Follows Clinical Specialty I. Students will complete the clinical hours at their off-campus clinical rotation that are required to sit for the National Certification Exam. Due to healthcare industry standards, exemplary attendance is mandatory. SPRING SEMESTER

Prerequisite: *At least and 80% in Clinical Specialty I*

Health Sciences and Wellness Electives

Pharmacy Technician

PTCB Preparation - Block 0771E0

			12

Prepares students to participate in a clinical internship the following semester in PCTB Clinical Applications. FALL SEMESTER

Prerequisite: *At least 80% in Foundations of Health Science and at least 80% in Advanced Principles of Health Science*

PTCB Clinical Application - Block 0772E0

			12

Participate in a clinical internship, applying the knowledge and skills mastered during the PTCB Preparation course.

Prerequisite: *At least an 80% in PTCB Preparation*

Personal Fitness and Wellness Training

Fitness and Conditioning (Foundations of Wellness) 105111 105121

9	10	11	12

Students will learn the benefits of a healthy, mind, body and spirit for one's overall health. This is the foundational course for learning more about the profession of a personal trainer and wellness coach. Students will learn about motivational theories, the scope of practice in the medical field, common conditions requiring wellness strategies, and the principles and techniques for wellness coaching.

Prerequisite: *High School Health*

Sports Medicine

Sports Medicine I 675011 675021

9	10	11	12

Designed to teach students components of exercise science/sports medicine including exploration of therapeutic careers, medical terminology, anatomy, physiology, injury prevention, the healing process, rehabilitation techniques, therapeutic modalities, sports nutrition, sport psychology, and performance enhancement philosophies.

Prerequisite: *High School Health*

Health Sciences and Wellness Electives

Sports Medicine II 675111 675112

	10	11	12

Designed to expand on Sports Medicine I. This course has a concentration in tissue response to injury and advanced CPR. There are a minimum of 30 hours of clinical experience in which students personally observe a qualified individual participating in the sports medicine profession.
Prerequisite: *Sports Medicine I*

Sports Medicine III 675211 675212

		11	12

Further expands the clinical learning experience of Sports Medicine II. This course has a concentration in tissue response to injury and advanced CPR. Students must complete a minimum of 30 hours of clinical experience.
Prerequisite: *Sports Medicine I and Sports Medicine II*

Weight Conditioning

Weight Conditioning I 676511 676521

	10	11	12

BLOCK 676500

Students will learn and practice proper weightlifting techniques.
Prerequisite: *High School Physical Education*

Weight Training II 676611 676621

	10	11	12

BLOCK 676600

Students will learn and practice proper weightlifting techniques.
Prerequisite: *High School Physical Education & Weight Training I*

Weight Training III 676711 676721

	10	11	12

BLOCK 676700

Students will learn and practice proper weightlifting techniques.
Prerequisite: *High School PE & Weight training II*

Human and Public Services Academy

4-year plans

and

Academy Elective Course Descriptions

Human and Public Services Academy

Human and Public Service Academy:

Broadcast Journalism *Sample: 4-Year Plan*

The Broadcasting Journalism concentration focuses on the journalism industries of both television and radio. Students obtain skills to work in program production, news-related technical writing, sales, and use video editing software such as Final Cut Pro X and Adobe Premier Elements. Students incorporate these skills to develop our daily CMHS KNYT NEWS program.

Subject	9th	10th	11th	12th
English	English 9	English 10	English 11, AP English Language	English 12, AP English Literature, Dual Credit English 101/102
Social Studies	World Studies	US Studies, AP U.S. History	Contemporary Studies	Civics, AP US Government
Math	Algebra I	Geometry	Algebra II	Additional Math Course
Science	Earth Space Science	Biology, AP Biology	Chemistry OR Additional Lab Science	Additional Lab Science
Academy Electives	Journalism I	Mass Communications I - Multi-media Production	Mass Communications II - Multi-media Production	Select One: • Communications 103 • Yearbook • Newspaper
PE/Health/ Fine Art	Physical Education OR Health	Physical Education OR Health	FINE ART (1 credit)	Elective
Elective/ Foreign Language	*Elective or for College Readiness Recommended:* Foreign Language I	*Elective or for College Readiness Recommended:* Foreign Language II	Elective	Elective

Upon Successful Completion of this 4-year plan students will earn a high school diploma AND…	• Communications 103 is a Dual Credit course with Marshall University

Human and Public Services Academy

Human and Public Service Academy:

Culinary Arts *Sample: 4-Year Plan*

The Culinary Arts Program of Study curriculum uses performance-based learning to develop and incorporate culinary skills. Restaurant management and guest service skills are also developed through our student led Camelot Café, which regularly prepares a menu for our staff to order lunch at school or dinner to take home during the week. Students will also participate in several culinary competitions around the state as well as work with local restaurant chefs, managers and owners.

Subject	9th	10th	11th	12th
English	English 9	English 10	English 11, AP English Language	English 12, AP English Literature, Dual Credit English 101/102
Social Studies	World Studies	US Studies, AP U.S. History	Contemporary Studies	Civics, AP US Government
Math	Algebra I	Geometry	Algebra II	Additional Math Course
Science	Earth Space Science	Biology, AP Biology	Chemistry OR Additional Lab Science	Additional Lab Science
Academy Electives	Restaurant and Culinary Foundations	Restaurant Management Essentials	Advanced Principles in Food Production	Restaurant Professional
PE/Health/ Fine Art	Physical Education OR Health	Physical Education OR Health	FINE ART (1 credit)	Elective
Elective/ Foreign Language	*Elective or for College Readiness Recommended:* Foreign Language I	*Elective or for College Readiness Recommended:* Foreign Language II	Elective	Elective

Upon Successful Completion of this 4-year plan students will earn a high school diploma AND…	• ServSafe Certification for Managers • ProStart Certificate of Achievement • American Culinary Federation (ACF) Certified Fundamentals Cook (CFC) • ServSafe Food Handler Certificate • NOCTI – ACF Culinary Arts Certification

Human and Public Services Academy

Human and Public Service Academy:

Careers in Education *Sample: 4-Year Plan*

The Early Childhood Education Program of Study focuses on the knowledge, skills, attitudes and practices of early childhood development. Emphasis is placed on the integration of all aspects of development into best practices for nurturing children from birth through age 8. Students will have several opportunities to visit local elementary schools and childcare facilities to observe and work with children through age appropriate activities.

Subject	9th	10th	11th	12th
English	English 9	English 10	English 11, AP English Language	English 12, AP English Literature, Dual Credit English 101/102
Social Studies	World Studies	US Studies, AP U.S. History	Contemporary Studies	Civics, AP US Government
Math	Algebra I	Geometry	Algebra II	Additional Math Course
Science	Earth Space Science	Biology, AP Biology	Chemistry OR Additional Lab Science	Additional Lab Science
Academy Electives	Foundation in Education	Student Learning, Development and Diversity	Early Childhood Education	Seminar in Educational Practice
PE/Health/ Fine Art	Physical Education OR Health	Physical Education OR Health	FINE ART (1 credit)	Elective
Elective/ Foreign Language	*Elective or for College Readiness Recommended:* Foreign Language I	*Elective or for College Readiness Recommended:* Foreign Language II	Elective	Elective

Upon Successful Completion of this 4-year plan students will earn a high school diploma AND…	• Early Childhood Classroom Assistant Teacher (ECCAT) Apprenticeship for Child Development Specialist • Child Development Associate (CDA) • First Aid • CPR/AED for Professional Rescuers and Healthcare Providers • NOCTI – Early Childhood Education and Care – Advanced • Early Childhood Education IV Honors is a Dual Enrollment Course with Marshall University for ECE 101.

Human and Public Services Electives

Broadcast Journalism

Journalism I

405111 405121

9	10	11	12

Introduces the history, ethics, and journalistic writing, with major focus upon print media including yearbook and newspaper. Knowledge of news writing style, page design, reporting and interviewing techniques are critical skills developed in this course.
Prerequisite: *"C" or better in English*

Mass Communication I –Multi-Media Production

415711 415721

9	10	11	12

This course is designed to give students the opportunity for practical, hands-on experience in front of the television cameras and also to learn the basic production techniques needed for television.

Prerequisite: *Journalism*

Mass Communication II – Multi-Media Production

415811 415821

	10	11	12

This course is designed to give students extended experience in front of the camera and to expand training in the use of studio equipment with the emphasis placed upon the portable equipment. As a team, the students will cooperatively write, produce, and present multiple videos for the school and announcements for the student body.
Prerequisites: *Journalism and Mass Communications I*

Newspaper

406611 406621

	10	11	12

Students will study Journalistic styles and assume positions of responsibility on the school newspaper's reporting staff, performing duties as outlined in the staff guidelines.
Prerequisite: *Journalism I*

Yearbook

407111 407121

	10	11	12

Students who are assuming a position on yearbook's editorial board are eligible for this course. Students will perform specific duties outlined in the Yearbook Staff Guidelines.
Prerequisite: *Journalism I*

Human and Public Services Electives

Speech and Oral Communications 407611 407621

9	10	11	12

Designed for any student interested in becoming a better communicator. Special emphasis is placed on giving a student confidence when he or she is speaking either formally of informally in front of a group.

Communications 103 - BLOCK 41680X

			12

Dual Credit

This class focuses on basic communication and public speaking skills. Upon successful completion of the course, students will receive both a high school honors credit and 3 hours of college credit to fulfill the oral communication (speech) requirement for most colleges. Students must have a 3.00 GPA to receive college credit in Communications 103 through Marshall University.

Careers in Education

Foundation in Education 1301E1 1301E2

9	10	11	12

This course is designed to introduce the history, development, organization, and practices of preschool, elementary and secondary education. Students will participate in field experiences at local elementary, middle and high schools. Students also gain the professional or skilled knowledge and skills necessary to begin a career in education.

Student Learning, Development and Diversity 1302E1 1302E2

9	10	11	12

This course is designed to focus on the various physical, cognitive, social, emotional and moral development, environments and social institutions, family life demographics, and culture influencing human growth and development.

Early Childhood Education III- BLOCK 1008E0

9	10	11	12

Continues the study of the developing child. Students cannot miss more than 10 days to receive Early Childhood education certification.

Prerequisite: *Minimum "C" in Early Childhood Education II*

Human and Public Services Electives

Early Childhood Education IV Honors- BLOCK 1009EH

9	10	11	12

Continues the study of the developing child. Students cannot miss more than 10 days to receive Early Childhood education certification.

Prerequisite: *Minimum "C" in Early Childhood Education III*

Culinary Arts

Restaurant and Culinary Foundations - BLOCK 1013E0

	10	11	12

Focuses on the basic preparation and service of safe food, basic introduction to industry safety, standards, restaurant equipment, kitchen essentials in knife skills, stocks and sauces.

Prerequisite: *Food Preparation*

Restaurant Management Essentials - BLOCK 1014E0

	10	11	12

Designed to focus management essentials in the restaurant industry, guest service, food production, and career exploration and pursuit.

Prerequisite: *Minimum of "C" in Restaurant and Culinary Foundations*

Advanced Principles in Food Production BLOCK 1019E0

	10	11	12

Students who have selected to go into the Patient Care Technician Program of Study, will study the duties, responsibilities and legal regulations of the profession. During this course the student must complete a minimum of 25-55 off-campus clinical rotation. FALL SEMESTER

Prerequisite: *Minimum of "C" in Restaurant Management Essentials and Restaurant and Culinary Foundations*

The Restaurant Professional – Block 1020E0

	10	11	12

Designed to provide content related to global cuisine, sustainability, desserts and baked goods, and marketing

Prerequisite: *Minimum of "C" in Advanced Principles in Food Production*

Global Electives and Course Descriptions

Health and PE

Drivers Ed

Advanced Placement Courses

College Dual Enrollment Courses

World Languages

Fine Arts

Career Interest Electives

Global Electives

These electives are available to students in all Academies

Health/PE/Drivers Ed	English
Health	Creative Writing
Physical Education	Debate I
Leisure and Recreation Sports	Library Science
Life Fitness	Mythology
Driver's Ed (only with driver's permit)	AP Literature and Composition
Math	AP Language and Composition
ACT/SAT Prep	English 101/102 Honors
Advanced Math Modeling Math 121B	**Science**
Trigonometry Honors Math 122	Science Olympiad
Pre-Calculus Honors Math 127	Introduction to Geospatial Info Systems
AP Calculus AB	Forensic Science
AP Calculus BC	Forensic Science Honors
AP Computer Science Principles	AP Biology
AP Computer Science A	AP Chemistry
	AP Environmental Science
	AP Physics B
	BSC 104 College Biology
	BSC 105 College Biology

Social Studies		World Languages
Criminal Law	AP Human Geography	American Sign Language I, II, III, IV
Economics	AP World History	Spanish I, II, III H, IV H, AP
Geography	AP Economics	Spanish 101/102
Law Studies	AP European History	
Psychology	AP Psychology	
Sociology	AP US Government	
History 103 Contemporary Studies	Psychology 201	

Fine Arts		
Band	***Hand Bells***	***Visual Arts***
Beginner Band	Hand Bells I	Art I
Concert Band I, II, III, IV	***Orchestra***	***Ceramics and 3D Design***
Instrumental Music	Beginning Strings	Ceramics and Pottery I, II, III
Jazz Band	Orchestra I, II, III, IVH	Sculpture – 3D Design
Marching Band	***Piano***	***Digital Art Photography***
Percussion Ensemble	Piano I, II, III, IV	Digital Photo I, II, III
Wind Ensemble	***Theater***	***Drawing***
Wind Ensemble Honors	Set Design and Construction	Drawing I, II,
Choral Performance Ensembles	Stage Craft I, II	***Painting***
Chorus I, II, III, IV	Theater I, II, III, IV	Painting I, II
Collegium Musicum	***Music Appreciation***	***Printmaking***
Collegium Musicum Honors	Music and History Literature	Studio Printmaking
Show Choir I, II, III IVH	Music Theory Honors	AP Studio Art
Dance	AP Music Theory	
Dance I, II, III, IV	***Agriculture***	AP Art History
Guitar	Floriculture	
Guitar I, II, III, IV		

Note: AP – Advanced Placement

Global Electives

These electives are available to students in all Academies

Career Interest Electives		
Agriscience	***Culinary***	***Human Services***
Introduction to Ag, Food and Natural Resources	Baking and Pastry	Foundations in Education
Companion Animal Care	Food Preparation	Parenting and Strong Families
Floriculture	***Engineering***	***Journalism***
	Intro to Engineering Design	Mass Communications I
Air Force JROTC	***Fitness and Wellness***	Journalism I
Air Force JROTC I	Fitness and Conditioning	Newspaper
	Weight Conditioning I	Speech and Oral Communications
	Health Sciences	Yearbook
Computer Science	Foundations of Health Science	Communications 103
AP Computer Science Principles	Body Structures and Functions	
AP Computer Science A	Medical Terminology	
	Sports Medicine I	

Note: AP – Advanced Placement

Health and PE

High School Health

690911 690621

9	10	11	12

Develops knowledge, attitudes, values, and skills concerning issues of particular concern during adolescence which impact personal health and wellness

High School Physical Education

660911 660921

9	10	11	12

Required for graduation, recommended for 9th and 10th grade students, and must be completed before enrollment in a physical education elective.

Fitness and Conditioning (Foundations of Wellness)

105111 105121

9	10	11	12

Students will learn the benefits of a healthy, mind, body and spirit for one's overall health. This is the foundational course for learning more about the profession of a personal trainer and wellness coach. Students will learn about motivational theories, the scope of practice in the medical field, common conditions requiring wellness strategies, and the principles and techniques for wellness coaching.

Prerequisite: *High School Health*

Leisure and Recreation Sports

674111 674121

	10	11	12

Designed to give students knowledge, experience, skill and appreciation for recreational activities as well as a variety of life time skills. Units of study include; archery, badminton, Frisbee, golf, pickle ball, racquetball, roller hockey and, tennis.

Prerequisite: *High School Physical Education*

Life Fitness

673311 673321

	10	11	12

Develop a personal fitness program. This personalized program will include aspects of the Wellness Center, Xertubes, slides, step aerobics, and aerobic exercise, the students will also be involved in a study of nutrition and diet analysis.

Prerequisite: *High School Physical Education*

Driver Education

Driver Education	681151	681152				12

This course consists of fifty (50) hours of classroom instruction; and ten hours of in-car observation and six hours of behind the wheel laboratory instruction. The Driver Education course develops the knowledge, attitudes, habits and skills necessary for the safe operation of motor vehicles. For a student to receive a "West Virginia High School Driver Education Certificate" at the end of the semester, the following criteria must be met: (1) The student must achieve a standard grade of "C"
Prerequisite: *No more than 5 unexcused absences prior year*

English

Creative Writing	402211	402221	9	10	11	12

This course is designed for students who like to write original fiction, nonfiction, and/or poetry. Instruction focuses on the study and utilization of models of writing as a basis for students' original writing.

Debate I	413011	413021	9	10	11	12

Students will learn the fundamentals of argumentation by research and discussion. Students will learn to create briefs and debate resolutions in team style. Membership on the debate team is not required.

Library Science	591111	591121		10	11	12

This course involves practical experience in the library. Students are trained to use both paper and computer resources to help other students.
Prerequisite: *Permission from Media Specialist*

Mythology	413711	413721	9	10	11	12

Mythology introduces students of any grade to the basic concepts from Greek, Roman, Nordic, and Asian Literature. Emphasis is placed upon major myths of classical Greece and Rome.

AP English Language and Composition

40411H 40412H

		11	

This is a college level honors course in which students will develop their craft in academic writing reading beginning with prerequisite summer reading. Students can obtain college English credit and/or advanced placement in college by successfully scoring a 3 or higher on the Advanced Placement exam for English Language and Composition.
Prerequisite: See AP/Honors guidelines in the front of the course book.

AP Literature and Composition

40421H 40422H

			12

AP literature is a college level honors course in which academically mature and disciplined students are given the opportunity to obtain not only the college English credit and/or advanced placement in college English courses but preparation for future college courses by successfully completing the Advanced Placement test for English Literature and Composition. The course engages students in close-reading and critical analysis of imaginative literature. AP Literature begins with prerequisite preparatory readings over the summer before the course.
Prerequisite: *See AP/Honors guidelines in the front of the course book.*

English 101/102 Honors

40125X

			12

Students enrolling in this course may apply to Marshall University if they have a transcript showing a cumulative 3.0 GPA (on a 4.0 scale) and letters of recommendation. Students course provides the credit for English 12 for graduation and will also transfer to any in-state college. The focus of this honors-level writing and literature course are various types of academic reading and discourse.
Prerequisite: *English 11 and a score of 18 on the English Component of the ACT*

Communications 103 - Block Dual Credit

41680X

			12

This class focuses on basic communication and public speaking skills. Upon successful completion of the course, students will receive both a high school honors credit and 3 hours of college credit to fulfill the oral communication (speech) requirement for most colleges. Students must have a 3.00 GPA to receive college credit in Communications 103 through Marshall University.

Math

ACT/SAT Prep 766151 766152

		11	12

Designed for the student who wishes to refresh his/her mathematical skills necessary to score well or better on the ACT/SAT math test. The emphasis of this class is preparation for pre-college testing.

Advanced Math Modeling 30251X 30252X

Math 121B Dual Credit **BLOCK** 30250X

		11	12

Fourth Course Option. Primary focal points of Advanced Mathematical Modeling include the analysis of information using statistical methods and probability, modeling change and mathematical relationships, mathematical decision making in finance, and spatial and geometric modeling for decision-making. Must have taken the ACT or SAT and have a minimum GPA of 3.0. Failure to provide verification may result in removal from the course. This course is not an honors level course.

Prerequisite: *Algebra II*

Trigonometry Honors 30481X 30482X

Math 122 Dual Credit **BLOCK** 30480X

	10	11	12

Fourth Course Option. Extends the Trigonometry content above the College and Career readiness standards for students planning on entering a STEM career. Must have an ACT Math Score of 22 or higher verified before the first day of class. Trigonometry Honors is a requirement for students wishing to take AP Calculus.

Prerequisite: *Algebra II Honors with a grade of A or B*

Pre-Calculus Honors 30181X 30462X

Math 127 Dual Credit **BLOCK** 30180X

	10	11	12

Fourth Course Option. Extends the Pre-Calculus content above the College and Career readiness standards for students planning on entering a STEM career. Must have an ACT Math Score of 19 Math or higher verified before the first day of class.

Prerequisite: *Trigonometry Honors with a grade of A or B*

AP Calculus AB

30311H 30312H

		11	12

This course meets for a block both semesters for two credits. This is an Advanced Placement course that will receive honors credit. The course will cover differential and integral calculus. It is strongly recommended that 11th graders enrolled in this course already have a Trigonometry, Pre-Calculus, or Math IV credit. Students are required to take the AP Calculus exam at the end of this course.

Prerequisite: *Trigonometry Honors with a grade of A or B*

AP Calculus BC

30321H 30322H

		11	12

This course is a continuation of AP Calculus AB. It includes more applications of differentials, convergence, and divergence. Students are required to take the AP Calculus exam at the end of this course.

Prerequisite: *Advanced Placement Calculus AB*

AP Computer Science Principles

30301H 30302H

9	10	11	12

The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems. Students are required to complete the AP projects and take the AP Computer Science Principles exam at the end of this course.

Prerequisite: *Algebra I recommended*

AP Computer Science A

28011H 28012H

	10	11	12

The fundamentals of Computing, including problem solving, working with data, understanding the Internet, cybersecurity, and programming. The goal is to broaden your understanding of computer science for use in a diversity of majors and careers.

Prerequisite: *Algebra I recommended and AP Computer Science Principles*

AP Statistics

30331H 30332H

		11	12

This course is primarily for college bound students. It includes probability and descriptive statistics with an introduction to inferential statistics. Computers and graphing calculators will be used to simulate probability situations. Students are required to take the AP Statistics exam at the end of this course.

Prerequisite: *Algebra II Honors*

Science

Science Olympiad

78811	78812			11	12

Science Olympiad is a STEM class that focuses on various areas of Science involved in the state and nationals Science Olympiad competition. The sciences involved will include physics, chemistry, biology, earth science, environmental science, physical science, engineering and technology. The class will use project based learning and independent study for students involved in individual events in the Science Olympiad competition. Learning goals will align with state standards for the sciences involved with the goals established by the Science Olympiad. **This is an elective course**.

Introduction to Geospatial Information Systems

772211	772212	10	11	12

Introduction to Geospatial Information System (GIS) for capturing, storing, checking and displaying data related to the Earth's surface. Investigate the use of drones. Dual Credit Course with Mountwest Community and Technical College. **This is an elective course**.

AP Biology

61211H	61212H			11	12

AP Biology is equivalent to introductory college biology for science and health care majors. Topics include biological chemistry, cells, energy transformations, molecular genetics, heredity, evolution, ecology, plants, animals, and taxonomy. Meets every day for 90 minutes for two credits. This course counts as laboratory science credit for college admission.
Prerequisite: *Biology with a "B" or higher Recommended*

AP Chemistry

63211H	63212H			11	12

AP Chemistry is equivalent to introductory college chemistry for science and health care majors. Topics include atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Meets every day for 90 minutes for two credits. This course counts as laboratory science credit for college admission.
Prerequisite: *Chemistry with a "B" or higher Recommended*

AP Environmental Science

62211H	62212H			11	12

AP Environmental Science is equivalent to introductory college environmental science. This course provides students with the principles, concepts and methodologies to understand the interrelationships of the natural world, and identify and analyze environmental problems both natural and man-made. Meets every day for 45 minutes for one credit. This course counts as laboratory science credit for college admission.
Prerequisite: *Chemistry/ Biology Recommended*

AP Physics B - Block 63230H

			12

AP Physics is equivalent to introductory college physics for science and health care majors. Topics include mechanics, fluids, thermodynamics, material behavior, waves, sound, electricity, optics, electromagnetism, relativity, and atom/quantum physics. This course counts as laboratory science credit for college admission

Prerequisite: *Algebra II, Trigonometry Recommended*

BSC 104 College Biology 61611X

			12

Dual Credit for the Non-Science Major

First semester of college biology for students who are not planning a major in the science or health care fields. Topics include cells, photosynthesis, respiration, genetics, DNA, prokaryotes, viruses, protists, and plants. Offered Fall semester only. This course meets the Biological Science requirement for graduation.

Prerequisite: *3.0 GPA*

BSC 105 College Biology 61610X

			12

Dual Credit for the Non-Science Major

Second semester of college biology for students who are not planning a major in the science or health care fields. Topics include systems of the body, genetics, evolution, ecology, and human immunity/diseases. Offered Spring semester only.

Prerequisite: *3.0 GPA*

Social Studies

Criminal Law 710111 710121

	10	11	12

Experience with application of laws to pur criminal justice system. Emphasis is centered on laws regarding prosecution and defense of criminals.

Economics 703211 703221

	10	11	12

Designed to give students a thorough understanding of the principle of economics that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. This course will enable students to reason logically about key economic issues that affect their lives as consumers, workers, and citizens. This class is designed for students who have taken US Studies – Comprehensive OR as an elective course

Geography

703311 703321

	10	11	12

Helps students understand the values and roles of groups and individuals in a "Global Village" where economies, cultures, and environmental concerns are connected. The study of geography will contribute to the development of workplace skills and career choices. This course allows all students to see, understand, and appreciate the web of relationships between people, places, and environments. This class is designed for students who have taken US Studies – Comprehensive OR as an elective course.

Law Studies

710211 710212

	10	11	12

Examine the entire legal system with emphasis on criminal, civil and constitutional law; crime and punishments; organized crime; court procedures, civil liberties and juvenile justice.

Psychology

732111 732121

	10	11	12

Includes the study of human behavior in learning principles, memory and thought, altered states of consciousness, personality theories, human development, testing, disturbance and breakdown. Some outside research is required. This course is an introduction to the scientific study of behavior and mental processes. This class is designed for students who have taken US Studies – Comprehensive OR as an elective course.

Sociology

734111 734121

	10	11	12

Examines the organization of society and the development of culture. Topics for study include the family, religious and economic institutions, minority groups, populations and social structure. This course is the study of our society and our relationship to it. This class is designed for students who have taken US Studies – Comprehensive OR as an elective course.

History 103 Dual Credit

70111X 70112X

		11	

The World Since 1850 Contemporary Studies

This course analyzes the major developments in the World from 1850 to present day. The course begins with a study of the Age of Imperialism, moving through World War I, the Interwar Period, the Great Depression, and World War II during the first semester. The second semester pertains to the shaping of the post-war power structure in the world, the Cold War, and the Information Age. Juniors may substitute this course for Contemporary Studies.

Prerequisite: *3.0 GPA*

AP Human Geography

70421H 70422H

	10	11	12

Introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. ADVANCED PLACEMENT EXAMINATION IS REQUIRED, PAID FOR BY THE DISTRICT. THIS COURSE MAY BE SUBSTITUTED FOR 9TH GRADE WORLD STUDIES. Can replace World Studies or be used as a global elective.

AP Economics

704111 704121

		11	12

Combination of two AP courses: AP Macroeconomics and AP Microeconomics. At the end of the year, students will take AP exams for both courses. ADVANCED PLACEMENT EXAMINATION IS REQUIRED, PAID FOR BY THE DISTRICT. This course can be used as a required 11th grade Social Studies credit (if AP US History was taken as a sophomore) or as a 12th grade global elective.

AP European History

70451H 70452H

	10	11	12

Study of modern European History, 1450 to the present, with particular reference to the Renaissance/ Reformation, the rise of strong central governments, plus major social, economic and intellectual trends. A list of collateral reading with written commentaries will be required. ADVANCED PLACEMENT EXAMINATION IS REQUIRED, PAID FOR BY THE DISTRICT. This course can be used as a required 11th grade Social Studies credit (if AP US History was taken as a sophomore) or as a 12th grade global elective.

AP Psychology

70471H 70472H

		11	12

Includes the study of human behavior and cognition in learning principles, memory and thought, altered states of consciousness, personality theories, human development, testing, and disturbance. Some outside research is required. ADVANCED PLACEMENT EXAMINATION IS REQUIRED, PAID FOR BY THE DISTRICT. This course can be used as a required 11th grade Social Studies credit (if AP US History was taken as a sophomore) or as a 12th grade global elective.

Psychology 201 Dual Credit Introductory Psychology

70471X 70472X

		11	12

This course introduces students to the principles and methods of the scientific study of behavior and mental processes

AP United States Government and Politics 70441H 70442H

			12

Analytically evaluate how people behave politically. Interpret American politics and how government helps to shape public policy. Covers the design of America's political system, its structure, and how individual and group interests combine, each promoting its own agenda. ADVANCED PLACEMENT EXAMINATION IS REQUIRED, PAID FOR BY THE DISTRICT. May be substituted for Civics for Next Generation.

World Languages

American Sign Language

American Sign Language I 56911X

9	10	11	12

Designed to give student's foundation in American Sign Language (ASL) and to acquaint them with basic issues of concern to the deaf community. This is a Dual Enrollment course offered by Mount West Community and Technical College. FALL SEMESTER

Prerequisite: *Students will be responsible for the $100 per course tuition fee or talk to bookkeeper.*

American Sign Language II 56921X

9	10	11	12

Designed to give student's foundation in American Sign Language (ASL) and to acquaint them with basic issues of concern to the deaf community. This is a Dual Enrollment course offered by Mount West Community and Technical College. SPRING SEMESTER

Prerequisite: *American Sign Language* I

American Sign Language III - American Deaf Community 56931X

	10	11	12

Designed to give student's foundation in American Sign Language (ASL) and to acquaint them with basic issues of concern to the deaf community. This is a Dual Enrollment course offered by Mount West Community and Technical College. FALL SEMESTER

Prerequisite: *Students will be responsible for the $100 per course tuition fee or talk to bookkeeper.*

American Sign Language IV - Finger Spelling 56941X

	10	11	12

Designed to give student's foundation in American Sign Language (ASL) and to acquaint them with basic issues of concern to the deaf community. This is a Dual Enrollment course offered by Mount West Community and Technical College. SPRING SEMESTER

Prerequisite: *Students will be responsible for the $100 per course tuition fee or talk to bookkeeper.*

Spanish

Spanish I 5666111 566121

9	10	11	12

Introduction to the Spanish language and culture will focus on the skills of reading, speaking, listening, grammar and writing Spanish. The understanding of cultural differences and similarities is an inherent part of this course.

Spanish II 566111 566121

9	10	11	12

Continuation of Spanish I, with further emphasis on advanced grammar, conversations, reading, writing, and the study of additional aspects of Hispanic life.

Prerequisite: *Spanish I*

Spanish III Honors 56631H 566632H

	10	11	12

Gives students the opportunity to apply the advanced skills already learned in listening, speaking, reading and writing Spanish. This course also emphasizes the study of Hispanic culture.

Prerequisite: *Spanish II (C or Above)*

AP Spanish Honors 56691H 56692X

		11	12

College Level course intended for students who wish to develop proficiency and to integrate their language skills, using authentic materials and sources from the Spanish-speaking world. AP Exam is required and is paid for by the district.

Prerequisite: *Spanish III (B or above)*

Spanish 101/102 Dual Credit 56691X 56692X

		11	12

College Level course intended for students who wish to develop proficiency and to integrate their language skills, using authentic materials and sources from the Spanish-speaking world. Dual enrollment course with Marshall University.

Prerequisite: *Spanish III (B or above)*

Fine Arts

Band

Beginner Band 372011 372021

9	10	11	

Emphasizes proper breathing, tone control, reading skills, and development of the embouchure. Successful completion of this course should prepare the student for placement in Marching Band, Concert Band or Symphonic Band. Student may use school owned instruments or provide their own.

Concert Band I 361111 361121

9	10	11	12

Open to any student who has had prior band instrument experience or who can demonstrate a ninth-grade level of knowledge and proficiency on a band instrument.
Prerequisite: *Permission of teacher*

Concert Band II 361211 361221

	10	11	12

Open to any student who has had prior band instrument experience or who can demonstrate a ninth-grade level of knowledge and proficiency on a band instrument.
Prerequisite: *Concert Band I and Permission of teacher*

Concert Band III 361311 361321

		11	12

Open to any student who has had prior band instrument experience or who can demonstrate a ninth-grade level of knowledge and proficiency on a band instrument.
Prerequisite: *Concert Band II and Permission of teacher*

Concert Band IV 361411 361421

			12

Open to any student who has had prior band instrument experience or who can demonstrate a ninth-grade level of knowledge and proficiency on a band instrument.
Prerequisite: *Concert Band III and Permission of teacher*

Instrumental Music I 373152

9	10	11	12

This course is designed for students who need individualized instruction in instrumental techniques for any band instrument. Study will involve individual and small group approaches. No previous experience is required.

Jazz Band

371721

9	10	11	12

Different Styles of jazz music will be studied in preparation for performance throughout the school year. The Jazz Band plays for various civic and school activities as well as jazz festivals.
Prerequisite: *Successful audition and permission from teacher*

Marching Band

371611

9	10	11	12

Open to all students who play a band instrument and are interested in performing at games, parades, and marching contests. Any auxiliary groups such as flag corps or dance team must take this class. Participants must be available for band rehearsals during the summer and after school rehearsals through the year. FALL SEMESTER
Prerequisite: *Permission from teacher*

Percussion Ensemble

374511 374521

	10	11	12

Students will learn to perform on all types of percussion instruments with the focus on performance of concert percussion music of all styles. Prior to taking this course, a student should have some background in at least one major percussion instrument. The group will perform in public concerts and ensemble festivals.
Prerequisite: *Percussion experience*

Wind Ensemble

374321

9	10	11	12

The group will present several concerts throughout the year. These students will perform at concerts, parades and festivals. SPRING SEMESTER
Prerequisite: *Successful audition and permission from teacher*

Wind Ensemble Honors

37432H

			12

The group will present several concerts throughout the year. These students will perform at concerts, parades and festivals. Senior honors students will complete a written research paper and complete a major project with the ensemble. SPRING SEMESTER
Prerequisite: *Successful audition and permission from teacher*

Choral Performance Ensembles

Chorus I 362111 362121

9	10	11	12

Introductory level class. Developing basic music reading skills, the development of good vocal tone production, ensemble singing and to introduce students to major styles of music from the Renaissance to the present day. Performances, "during and outside of class", are a required part of this course. No previous experience necessary. This is a non-auditioned ensemble.

Chorus II 362211 362221

	10	11	12

Continuation of Chorus I. Performances are a required part of this course. No previous experience is necessary. No auditions necessary.
Prerequisite: *Chorus I*

Chorus III 362311 362321

		11	12

Continuation of Chorus II. Performances are a required part of this course. No previous experience is necessary. No auditions necessary.
Prerequisite: *Chorus II*

Chorus IV 362411 362421

			12

Continuation of Chorus III. Performances are a required part of this course. No previous experience is necessary. No auditions necessary.
Prerequisite: *Chorus III*

Collegium Musicum 376711 376721

9	10	11	12

Students will study and perform choral literature of various musical eras in English and other original languages. Admission to the course is by audition/invitation only. Fees required for concert attire. Outside class time practices and performances.
Prerequisite: *Successful audition and permission of the teacher*

Collegium Musicum Honors 37671H 37672H

			12

Senior honor students will complete additional requirements provided by the director.
Prerequisite: *Successful audition and permission of the teacher and Collegium Musicum*

Show Choir 376611 376621

9	10	11	12

Upper level advanced choral performance ensemble. Open to all students with instructor permission.
Prerequisite: *Audition*

Show Choir Honors 37661H 37662H

			12

Upper level advanced choral performance ensemble. Open to all students with instructor permission.
Prerequisite: *Audition*

Dance

Dance I 340111 340121

9	10	11	12

Designed for students who have an interest in learning different dance styles. Basic dance skills, including ballet, jazz, and choreography will be included, as well as dance history.

Dance II 340211 340221

	10	11	12

Continuation of Dance I. Designed for students who have an interest in dance training. Basic dance skills, including ballet, jazz, and choreography will be included as well as dance history.
Prerequisite: *Dance I*

Dance III 340311 340321

		11	12

Continuation of Dance II. Practice in performing technical and choreographic skills necessary for artful presentation. Emphasis will be placed on the relationship of dance to other disciplines and careers. Research of dance history and artists will be an integral part of this year of study.
Prerequisite: *Dance II*

Dance IV 340411 340421

			12

The creative process will be studied and students will develop and awareness of dance and its place in the present and future culture.
Prerequisite: *Dance III*

Guitar

Guitar I 372851

9	10	11	12

Music reading, open chords, strums, and melody are introduced. Classical and folk styles are taught. Beginners only. Acoustic guitar must be supplied by the student.

Guitar II 372852

9	10	11	12

Continuation of Beginning Guitar and will introduce Barre chords using common progressions. Acoustic guitar must be supplied by the student.
Prerequisite: *Guitar I or permission from the teacher*

Guitar III 372853

	10	11	12

This course will include the use of recording studio and multi-track recording and making demo tracks of original works integrating guitar and other instruments as assigned. Also included will be introductory material for music business and contracts.
Prerequisite: *Guitar II*

Guitar IV 372854

		11	12

This course will include studying the history of pop culture from 1900- 2000. Students will explore pop cultures of jazz, rock and pop music. Also included will be the examination of how music and technological advances influenced the development of these genres.
Prerequisite: *Guitar III*

Hand Bells

Hand Bells 373111 373112

9	10	11	12

Open to all grades, all students. Student(s) must be able to read music or commit to learn. Performances outside the school day may be required.

Orchestra

Beginning Strings 374411 374421

9	10	11	12

Designed to offer any student who has never been in orchestra (at any time in their school experience) the opportunity to learn to play a stringed instrument. This would enable the student to participate in orchestra the next year.

Orchestra I 376411 376421

9	10	11	12

A string ensemble designated for students with a minimum proficiency on a string instrument to learn pedagogy and prepare for Orchestra II class. This group may perform in concerts as determined by the director.

Orchestra II 376511 376521

	10	11	12

This group will present several concerts each year. The core ensemble of the orchestra is the string orchestra. Wind, brass, and percussion students will augment the ensemble for full orchestra for various concerts. Performances are required.

Orchestra III 376611 376621

	10	11	12

This group will present several concerts each year. The core ensemble of the orchestra is the string orchestra. Wind, brass, and percussion students will augment the ensemble for full orchestra for various concerts. Performances are required.

Orchestra IV Honors 37671H 37672H

			12

This group will present several concerts each year. The core ensemble of the orchestra is the string orchestra. Wind, brass, and percussion students will augment the ensemble for full orchestra for various concerts. Performances are required. Seniors will be required to complete two research projects as determined by the director.
Prerequisite: *Successful completion of Orchestra II or III and Senior Level student.*

Piano

Piano I 368111 368121

9	10	11	12

Lessons are given in the electronic keyboard laboratory. Study may also include assignments on acoustic piano. Practice time is allotted during the classroom instructional time.

Piano II 368211 368221

9	10	11	12

Continuation of Piano I. Piano II is open to intermediate and advanced students.
Prerequisite: *Piano I*

Piano III 368311 368321

	10	11	12

Continuation of Piano II. Students will learn to accompany an ensemble and explore compositions.
Prerequisite: *Piano II*

Piano IV 368411 368421

	10	11	12

Continuation of Piano III. Students will extend their playing, sight reading, and accompany an ensemble with a more demanding repertoire. Transposition is introduced.
Prerequisite: *Piano III*

Theater

Set Design and Construction 386711 386721

	10	11	12

Designed to promote students' experience and skill development for theater productions. Students will create and design sets for the theater department productions.

Stage Craft I 385911 385921

	10	11	12

Designed to promote students' experience and skill development in one or more aspects of theatrical production; such as lighting, set construction and stage management. Students will be involved in school plays, concerts, and miscellaneous presentations.
Prerequisite: *Students must be available for after school practices and evening performances.*

Stagecraft II 386011 386021

	10	11	12

Continuation of Stagecraft I, designed to investigate the design of sets, costumes, props, lighting, sound and special effects. Students will be required to design and tech shows and concerts.
Prerequisite: *Stagecraft I*

Theater I 380111 380121

9	10	11	12

Designed to provide the student with further exploration of the art of acting and the production of a play. Participants are expected to perform for a variety of audiences.

Theater II 380211 380221

	10	11	12

Designed to provide the student with further exploration of the art of acting and the production of a play, which includes learning the 3 categories of stage makeup – character fantasy, and special effects. Participants are expected to perform for a variety of audiences.
Prerequisite: *Theater I*

Theater III 380311 380321

		11	12

Students will collaborate in developing original dramatic pieces or short plays and will demonstrate ensemble in rehearsing and performing informal and formal theater works.
Prerequisite: *Theater II*

Theater IV Honors 380411 380421

		11	12

Students will write scripts for stage productions and will demonstrate artistic discipline to achieve ensemble in rehearsal and performance of informal and formal theater works.
Prerequisite: *Theater III*

Music Appreciation

Music History and Literature 374611 374621

	10	11	12

DUAL CREDIT 37461X 37462X **HONORS** 37461H 37462H

This course may be taken for normal or dual enrollment from Marshall University with honors credit. It is a survey of the major musical eras in western music and is essential for students considering music a college major or career choice.
Prerequisite: *Permission of a music faculty member is required.*

Music Theory Honors 37561H 37562H

		11	12

Involves a study of notation, chords, sight-reading, ear training, and composition. Essential for college music majors or minors. It is also recommended for students who want to improve their music reading and writing skills.
Prerequisite: *Permission from Teacher*

AP Music Theory 36511H 36512H

		11	12

Covers the aspects of melody, harmony, texture, rhythm, form, musical analysis, listening, sigh-reading, composition, and some history and style. Participants in this honors level class will take the AP Music Theory exam at the conclusion of the school year.
Prerequisite: *Student must be proficient in music reading skills and basic music theory. Permission from teacher.*

Visual Arts

Art I	321111	321121	9	10	11	12

Basic Introduction to the visual arts.

Ceramics Pottery and 3D Design

Ceramics and Pottery I	321116	321126		10	11	12

Includes basic methods of hand building and wheel thrown pottery, and glazing techniques.

Ceramics and Pottery II	321216	321226		10	11	12

Continuation of Ceramics I with an emphasis on developing basic ceramic techniques.
Prerequisite: *Ceramics and Pottery I*

Ceramics and Pottery III	321316	321326			11	12

This is a continuation of Ceramics II. It will concentrate on in-depth study and experimentation with wheel throwing and/or large hand-built pieces.
Prerequisite: *Ceramics and Pottery II*

Sculpture- 3 D Design	333711	333721	9	10	11	12

The purpose of this course is to enable students to develop fundamental skills necessary to communicate a range of ideas using basic knowledge of three-dimensional art and sculpture media, design, processes and techniques.
Prerequisite: *Art I, Drawing I or Ceramics I*

Digital Photography Art

Digital Photography I	321111	321121	9	10	11	12

Basic camera and photo editing techniques with an emphasis on project-based learning and experimentation to achieve creative images. Adobe photoshop will be used extensively in this class.

Digital Photography II 321211 322121

	10	11	12

Continuation of Photo I, with a heavy emphasis on the conceptual and thematic aspects of digital photography. This is an individualized and in-depth study of digital photography.
Prerequisite: *Digital Photography I*

Digital Photography III 321311 321321

		11	12

This is a continuation of Digital Photography II.
Prerequisite: *Digital Photography II*

Drawing

Drawing I 321111 321121

9	10	11	12

Includes basic drawing instruction involving perspective, shading, composition, etc.

Drawing II 321211 321221

	10	11	12

Develop basic perceptual, observational, and compositional skills necessary to communicate a range of subject matter, symbols, ideas, and concepts using knowledge of drawing media, processes, and techniques.
Prerequisite: *Drawing I*

Painting

Painting I 321111 321121

	10	11	12

Learning various techniques and styles in the use of tempera, watercolor, ink wash, acrylics, etc. A good drawing background is beneficial. Many individual works will be completed.
Prerequisite: *Art I or Drawing I*

Painting II 321211 322121

		11	12

Develop intermediate-level perceptual, observational, and compositional skills necessary to communicate a range of subject matter, symbols, ideas, and concepts.
Prerequisite: *Painting I*

Printmaking

Studio Printmaking 334911 334921

	10	11	12

The purpose of this course is to enable students to develop knowledge of printmaking processes, techniques, and skills necessary to create and communicate a range of subject matter symbols, ideas and concepts.
Prerequisites: *Art I or Drawing I*

AP Studio Art

Advanced Placement Art History 32211H 32212H

	11	12

The content will include an advanced level understanding of the history, practice and enjoyment of art. Students must take the AP exam to receive honors credit which is provided free to students enrolled in the course.

Advanced Placement Studio Art 32221H 32222H

			12

Designed for a student who wants to create a portfolio for admission to a college Art program. A portfolio will also be submitted to the College Board as a part of the AP assessment program.
Prerequisite: *3 other Visual Art courses or teacher recommendation*

Career Interest Electives

Agriculture

Introduction to Agriculture, Food and Natural Resources 0101E1 0101E2

9	10	11	12

The introductory course to all Agriscience programs. Designed for students who have an interest in and wish to incorporate basic skills in agriscience and/or agribusiness.

Companion Animal Care 0149E1 0149E2

9	10	11	12

Contains the ever-growing popularity of small domestic animals (dogs, cates, birds, fish, and other pets) and their care. Supervised Agricultural Experience is required. FFA membership is recommended.

Floriculture 0213E1 0213E2

9	10	11	12

Basic principles of floral design. Supervised Agricultural experience is required. FFA is recommended. Satisfies the Graduation Requirement for a Fine Art credit.

Air Force JROTC

AFJROTC I 106511 106521

9	10	11	12

Covers the role of the military and the evolution and importance of air power in the history of the United States as well as the general defense structure of the United States, including the organization and mission of the US Air Force.

Computer Science

AP Computer Science Principles 30301H 30302H

9	10	11	12

The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems. Students are required to complete the AP projects and take the AP Computer Science Principles exam at the end of this course.
Prerequisite: *Algebra I*

AP Computer Science A 28011H 28012H 10 11 12

The fundamentals of computing, including problem solving, working with data, understanding the internet, cybersecurity, and programming. The goal is to broaden your understanding of computer science for use in a diversity of majors and careers.
Prerequisite: *Algebra I and AP Computer Science Principles*

Culinary

Baking and Pastry 102411 102421

9	10	11	12

This course focuses on weights, measures, and general baking, classifications, handling and storage of ingredients, safety, yeast raised dough products, cakes, cookies, batters and breads. Students will also investigate careers in the culinary field.

Culinary Food Preparation 095111 095121

9	10	11	12

The student will focus on various food preparation and management skills that promote health and wellness of individual families.

Engineering

Introduction to Engineering Design 246111 246121

9	10	11	12

Teaches problem solving skills using a design development process. Models of product solutions are created, analyzed and communicated using solid modeling computer software.

Fitness and Wellness Training

Fitness and Conditioning (Foundations of Wellness) 105111 105121

9	10	11	12

Students will learn the benefits of a healthy, mind, body and spirit for one's overall health. This is the foundational course for learning more about the profession of a personal trainer and wellness coach. Students will learn about motivational theories, the scope of practice in the medical field, common conditions requiring wellness strategies, and the principles and techniques for wellness coaching.
Prerequisite: *High School Health*

Weight Conditioning I 676511 676521

	10	11	12

BLOCK 676500

Students will learn and practice proper weightlifting techniques.
Prerequisite: *High School Physical Education*

Health Sciences

Foundations of Health Science 0711E1 0711E2

9	10	11	12

BLOCK 0711E0

Designed to allow instructional content to focus on basic medical terminology, growth and development, nutrition, health maintenance practices and healthcare delivery systems.
Prerequisite: *9th grade or higher reading level*

Advanced Principles of Health Science 0715E1 0715E2

	10	11	12

BLOCK 0715E0

Instructional content will focus on healthcare safety, environmental safety processes and procedures, ethical and legal responsibilities and mathematical computations.
Prerequisite: *9th grade or higher reading level; 80% in Foundations of Health Science*

Body Structures and Functions 0716E1 0716E2

		11	12

Students will understand the structures and functions of each system in the human body.
Prerequisite: *9th grade or higher reading level*

Essentials of Addiction and Prevention 1060E1 1060E2

	10	11	12

Students will understand the structures and functions of each system in the human body.
Prerequisite: *9th grade or higher reading level*

Medical Terminology 0721E1 0721E2

	10	11	12

Students will be introduced to the language of medicine.
Prerequisite: *9th grade or higher reading level*

Sports Medicine I 675011 675021

9	10	11	12

Designed to teach students components of exercise science/sports medicine including exploration of therapeutic careers, medical terminology, anatomy, physiology, injury prevention, the healing process, rehabilitation techniques, therapeutic modalities, sports nutrition, sport psychology, and performance enhancement philosophies.
Prerequisite: *High School Health*

Human Services

Foundations in Education 1301E1 1301E2

9	10	11	12

This course is designed to introduce the history, development, organization, and practices of preschool, elementary, and secondary education. In addition to classroom training, students will participate in field experiences at local elementary, middle, and high schools. Students also gain the professional or skilled knowledge and skills necessary to begin a career in the education profession.

Parenting and Strong Families 090311 090321

9	10	11	12

Designed to help students evaluate readiness for parenting wile examining appropriate Parent and Strong Family practices.

Journalism

Mass Communication I 415711 415721

	10	11	12

This course is designed to give students the opportunity for practical, hands-on experience in front of the television cameras and also to learn the basic production techniques needed for television.

Journalism I 405111 405121

9	10	11	12

Introduces the history, ethics, and journalistic writing, with major focus upon print media including yearbook and newspaper. Knowledge of news writing style, page design, reporting and interviewing techniques are critical skills developed in this course.
Prerequisite: *"C" or better in English*

Newspaper

406611 406621

	10	11	12

Students will study Journalistic styles and assume positions of responsibility on the school newspaper's reporting staff, performing duties as outlined in the staff guidelines.
Prerequisite: *Journalism I*

Speech and Oral Communications

407611 407621

9	10	11	12

Designed for any student interested in becoming a better communicator. Special emphasis is placed on giving a student confidence when he or she is speaking either formally of informally in front of a group.

Yearbook

407111 407121

	10	11	12

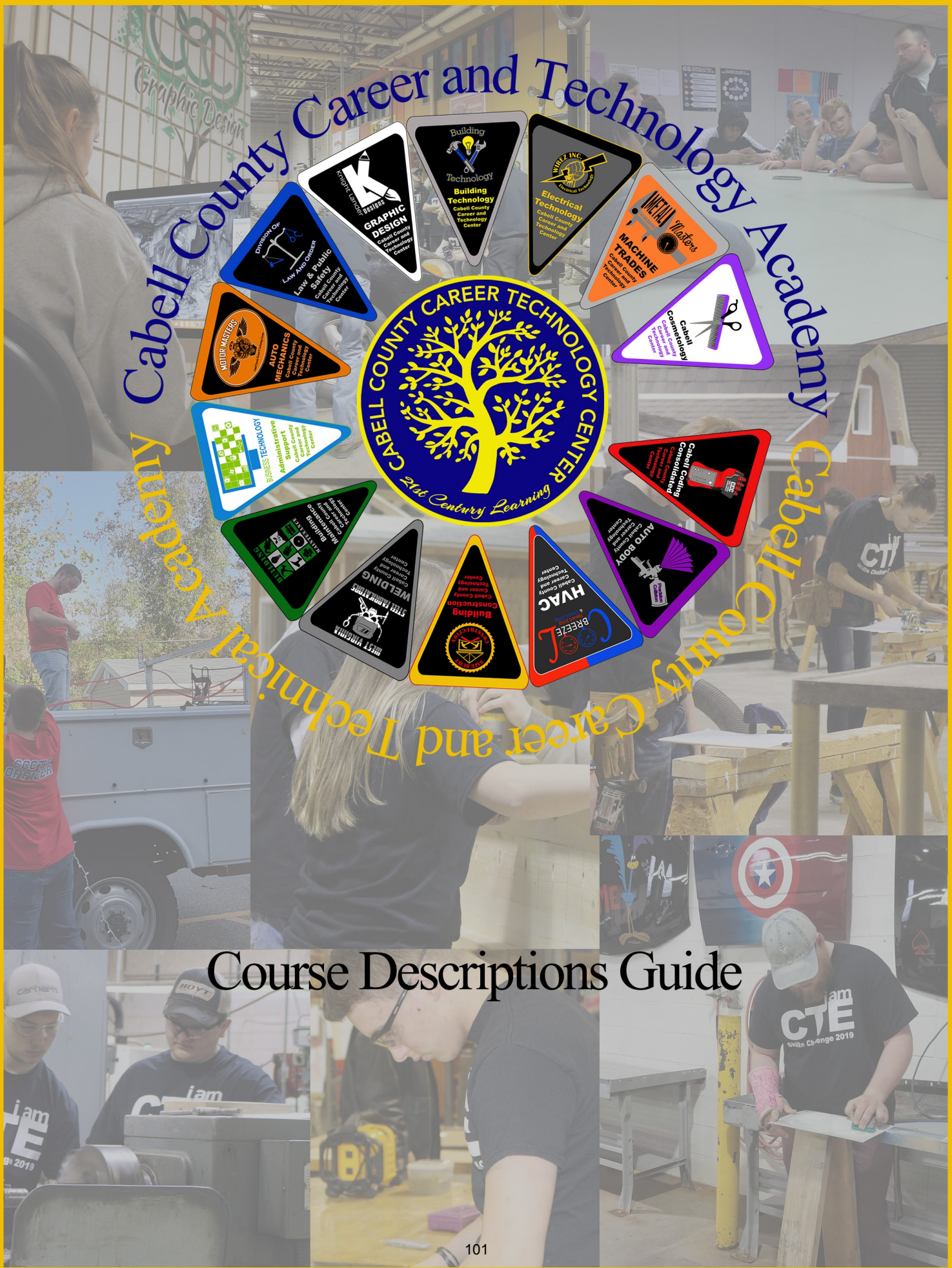
Students who are assuming a position on yearbook's editorial board are eligible for this course. Students will perform specific duties outlined in the Yearbook Staff Guidelines.
Prerequisite: *Journalism I*

Communications 103 - Block Dual Credit

41680X

			12

This class focuses on basic communication and public speaking skills. Upon successful completion of the course, students will receive both a high school honors credit and 3 hours of college credit to fulfill the oral communication (speech) requirement for most colleges. Students must have a 3.00 GPA to receive college credit in Communications 103 through Marshall University.



Course Descriptions Guide

Machine Trades

This course is designed to give entry-level skills in conventional machining and CNC programming. Students will use common machine tools such as an engine lathe, milling machines, turning center, machining center, and various software as needed.

Two year CTE completer program
Embedded credit for senior level math

Carpentry

Students will learn the basics of measurement and layout, hand and power tools and basic construction principals used in the residential construction and light commercial construction industry.

Two year CTE completer program
Embedded credit for senior level math

Welding

Learn the basics of metallurgy and fabrication. Students could potentially earn certification in MIG, TIG, and Stick welding.

Two year CTE completer program
Fine arts credit towards graduation upon completion of program

Graphic Design

Students learn the basics of Adobe programs such as Photo Shop and Illustrator along with CorelDraw and Wasatch. Students also learn the skills for silk screening, decal and banner design, and printing.

Two year CTE completer program
Fine arts credit towards graduation upon completion of program
Six Dual Credits through Mountwest Community and Technical College upon completion of program (DSGN 120 and IT 110).

Automotive Technology

Students gain entry-level knowledge in careers/safety, basic electricity/ electronics, steering/suspension/brake systems, engine construction/ operation, fuel/emission/exhaust systems, and drive line service

Two year CTE completer program

Electricity

Students learn entry-level skills in residential wiring and touch on commercial wiring. Through learning these skills, they have the opportunity to become an apprentice electrician or Journeyman.

Two year CTE completer program
Embedded credit for senior level math

HVAC

Students gain entry-level skills within refrigeration, electrical components related to HVAC equipment, and gain knowledge to sit for the EPA (Environmental Protection Agency) exam.

Two year CTE completer program
Embedded credit for senior level math

Collision Repair

Students will gain entry-level knowledge on refinishing/painting techniques, basic welding, panel repair, and general maintenance of auto body and part fabrication.

Two year CTE completer program

Building Maintenance and Operations

Building Maintenance and Operations prepares students for careers in the building and maintenance field through experience in carpentry, masonry, plumbing, electrical, and HVAC. Students in this program can expect to participate in extensive hands-on study through completing projects related to the field, including community service projects. The curriculum for Building Maintenance and Operations is focused on the nationally recognized NCCER certification program. Two year CTE completer program.

Building Technology

This class is designed to explore career programs at the Cabell County Career Technology Center. Students will be involved in numerous projects to help the community.

One year exploration program
Fine arts credit towards graduation upon completion of program

Law and Public Safety

Learn the functions of the criminal justice system with a focus on law enforcement techniques. Hands-on training provided utilizing a use of force simulator, law enforcement personnel and crime scene investigation. Certifications include first aid, CPR, AED, OSHA 10 General Healthcare, Stop the Bleed, and FEMA.

Two year CTE completer program
Three Dual Credits through Mountwest Community and Technical College upon completion of program (CJS 101).

Administrative Support

Administrative Support program is designed to develop student understanding and skills in the principles, concepts, and practices of Microsoft Word, PowerPoint, accounting, business, marketing, and personal finance. The program offers students the opportunity to earn Microsoft Office Word and PowerPoint Specialist certifications.

One year CTE completer program
Six Dual Credits through Mountwest Community and Technical College upon completion of program (MG 101 and AC 103)

A + Certification

A+ Certification allows students to get hands on experience in computer repair technology. Students will use CompTIA standards to learn standards and components for basic computer repair, updates, and technical issues.

One-year CTE completer program

Coding, App and Game Design

Coding, Application and Game Design allows students to create content personalized to their desires, while focusing on industry standards. Students will use websites such as Code.org, Weebly, Adobe, Odyssey, Scratch, Unity, and Construct. Students will also venture into other digital media avenues such as Video Editing, Podcasting, and Social Media Management. Finally, students will get hands on experience with Swift code through Apple Coding.

Languages taught: HTML, C++, Swift, XCode, Python, Ruby

One-year CTE completer program
Nine Dual Credits through Mountwest Community and Technical College upon completion of program (IT 110, IT 171 and IT 271)

Cabell Cosmetology

Cosmetology (Juniors and Seniors Only)

Students will learn the principals of Hair Design including scalp care, shampooing, conditioning, haircutting, hairstyling, braiding and extensions, wigs and hair additions, chemical texture services, and hair coloring.

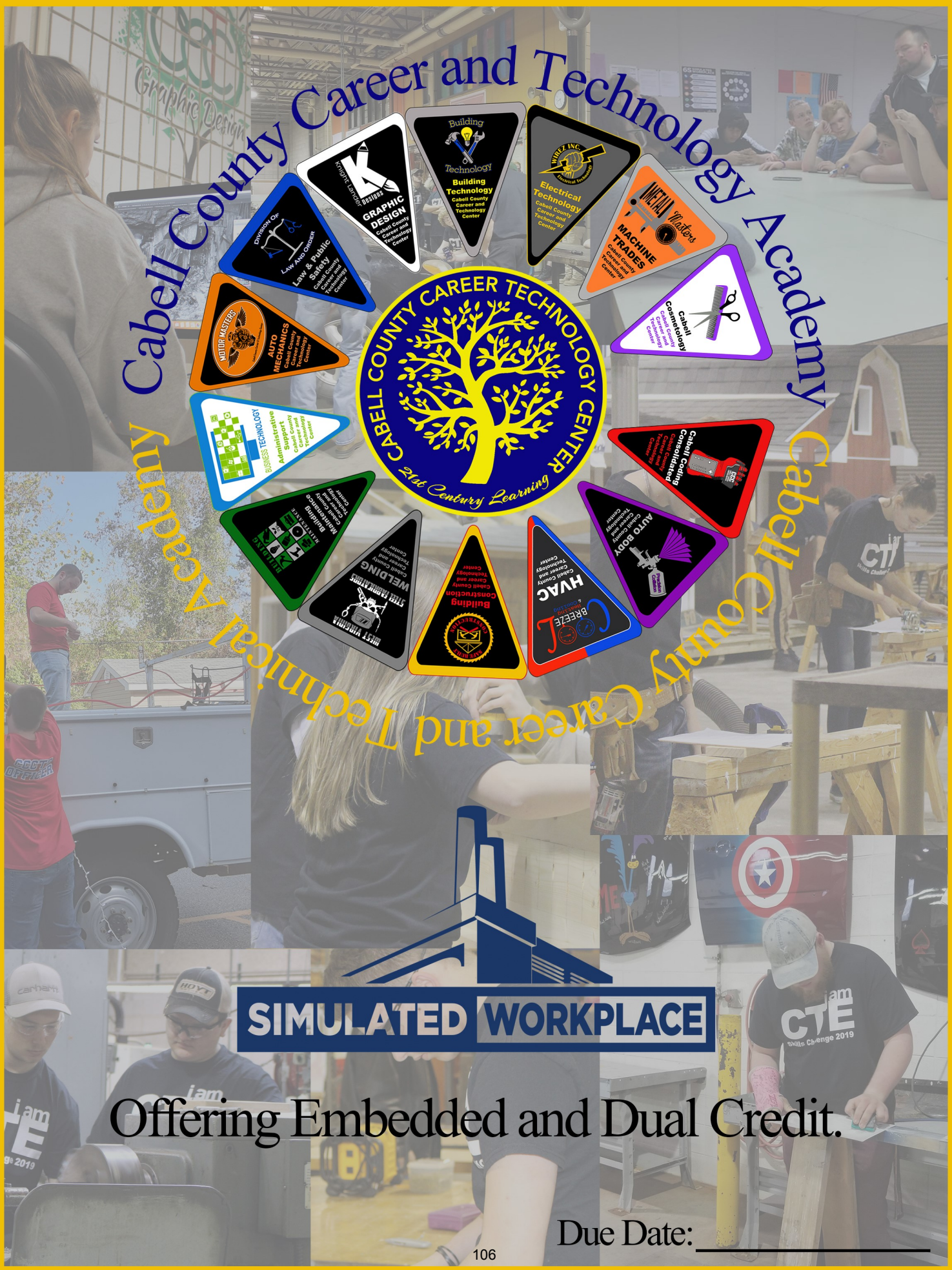
The program is a course of study consisting of a minimum of 1,000 clock hours.

The WV State Board of Barbers and Cosmetology requires that each enrolled student in the Hairstyling Program fill out an application for student permit along with certificate of health. The student permit will require the following items listed below and will be sent to the WV Board of Barbers and Cosmetology.

$25 dollar money order made payable to the WV Bd. of Barbers and Cosmetology.
High School Diploma or transcript of enrollment.
Copy of social security card
Copy of state issued driver's license or a state issued ID card.
Recent Photograph/Program badge picture we will take at school.
Completed certificate of health form signed by a physician or nurse practitioner.

If you are accepted into the program you will be given a packet to be completed. The packet will need to be returned to the Technology Center no later than August 1, 2020; there are no exceptions. If you have questions regarding requirements or curriculum for the Hairstyling Program, please feel free to contact the Cabell County Career and Technology Center for further information.

Two year CTE completer program



Offering Embedded and Dual Credit.

Due Date:_____

*THIS FORM MUST BE ON FILE WITH THE CCCTA OFFICE **BEFORE** A STUDENT MAY BEGIN CLASSES IN THE SIMULATED WORKPLACE.*

***Students who have not completed and submitted this form will not be permitted to enroll in a CCCTA program. This includes the Random Drug Testing Consent Form included in this application packet.*

PLEASE PRINT ALL INFORMATION

STUDENT INFORMATION

LAST NAME: _____ FIRST NAME: _____ MIDDLE NAME: _____

ADDRESS: _____ CITY: _____ STATE: _____ ZIP CODE: _____

WVEIS NUMBER: _____ BIRTHDATE: _____ PHONE #: _____

PARENT NAME: _____ PHONE NUMBER FOR PARENT: _____

HIGH SCHOOL: _____ SCHOOL COUNSELOR: _____

ACADEMY COURSE CHOICES

Select three (3) programs below that you are most interested in:
1=first choice, 3=last choice

___ Administrative Support (Dual Credit)
___ Auto Technology
___ Building Maintenance
___ Building Technology (Fine Arts Credit)
___ Carpentry (Embedded Credit)
___ Coding, App, & Game Design (Dual Credit, A+ Certification)
___ Collision Repair
___ Cosmetology(11 / 12 Only)
___ Electricity (Embedded Credit)
___ Graphic Design (Dual Credit, Fine Arts Credit)
___ HVAC (Embedded Credit)
___ Law & Public Safety (Dual Credit)
___ Machine Trades (Embedded Credit)
___ Welding (Fine Arts Credit)

All CCCTA programs provide some **FREE college credit** through articulation agreements with local colleges and/or the WV EDGE initiatives.

WOULD YOU LIKE TO BE CONSIDERED FOR FULL TIME PLACE?

☐ Yes ☐ No

Disclaimer: Due to program population limits, the selection review committee will review academic per for-mance, discipline, and attendance when being considered in a program of study or as a full time student at CCCTA.

REFERENCES

NAME: _____ PHONE: _____

(Someone not related to you)

NAME: _____ PHONE: _____

(Someone not related to you)

ACHIEVEMENTS

Why do you think you are the most qualified candidate for the CTE program you chose?

_____

_____

_____

_____

_____

_____

CCCTA Simulated Workplace

Enrolling in a technical program at CCCTA requires that students participate in specific tasks as mandated by WV Simulated Workplace. By initialing each item below, I, _____ acknowledge that I have read this

(print your name)

application packet and agree to comply with the following requirements:

_____ Punch in/out daily on a time clock

(initial)

_____ Wear a work uniform as required by program

(initial)

_____ Arrive on time and ready for work when my shift begins

(initial)

_____ Participate in random workplace drug testing

(initial)

_____ Complete all safety and other training as required

(initial)

_____ Maintain good attendance in the simulated workplace

(initial)

_____ Understand that these courses only offered once each year, and sequencing for the courses varies

(initial) depending on the needs and requirements of each CTE program.

Recommended Prerequisites

Math for All Trades

All CTE students must have a functional understanding of general math, fractions, decimals, measurement, measurement tools, area measure, and volume measure.

Specifically:

Whole Number: addition, subtraction, multiplication and division

Fractions: defining, adding, subtracting, multiplying and dividing

Decimals: adding and subtracting, multiplying and dividing, converting to fractions

Percentages: calculating, adding, dividing, converting

Memorization of multiplication tables and the ability to do general "mental math" is essential.

Reading levels for All Trades

Students interested in these programs should also have a good command of language, reading

What is Simulated Workplace

To certify students are receiving the most authentic learning experiences, the West Virginia Department of Education, Division of Technical and Adult Education has collaborated with a committee of experts in career and technical education, higher education, and over fifty West Virginia business and industry experts to design the Simulated Workplace environment protocols and expectations.

These protocols and expectations include the development of school level advisory teams consisting of a county Superintendent, CTE Director / Administrator, Counselor, and program instructors. A **random drug testing policy**, which ensures a minimum of forty percent of students enrolled in the participating

STRUCTURES AND PROCEDURES

The overall structure of the Simulated Workplace initiative will be governed by a set of protocols to assure consistency and quality in the local implementation of the concept. These protocols include the following requirements:

CTE programs will:

1. Transform the classroom environment into a **replicated company**;
2. Utilize **time clocks** or some other form of **formal attendance** recording process;
3. Develop/Adhere to the county developed **Random Drug Testing** Policy, while testing a minimum of 40% of all students enrolled within a Simulated Workplace classroom;
4. Conduct an **application / interview** process for enrolling students;
5. Develop a **company name** and **procedures / protocol manual**;

Excerpt from: http://careertech.k12.wv.us/policyandprocedures/ "Guidelines for Simulated Workplace

Important Policy Information About CCCTA Programs

Each career and technical program at CCCTA includes four (4) core courses, as defined by West Virginia Department of Education Program of Study.

"The four credits taken in a Career & Technical concentration must be consistent with those identified for WVDE approved career & technical programs of study."

WV Legislative Code 126CSR42

These courses are required for graduation from Cabell County Schools, as mandated by West Virginia law (Policy 2510) and by the Cabell County Board of Education Policy Manual.