

Obion County Central High School

Course Curriculum Guide

2026-2027



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Planning and Policies

Obion County Central High School is committed to providing all students with the foundation needed for success in the future. Regardless of what your plans are, you will need a solid high school education and a realistic career plan. In most cases, you will need to consider continuing your education beyond high school. The time to begin thinking and preparing for your future career is now. Obion County Central High School provides an opportunity for students to achieve their maximum potential and go as far as their initiative, hard work and motivation will carry them. Obion County Central High School offers a broad range of courses that challenge students. All students are strongly encouraged to engage in a rigorous curriculum.

In order to emphasize the importance of career planning, we would like students to seriously consider selecting courses within one of the Career Clusters below that will complement their academic experience:

1. Agriculture
2. Mechanical, Electrical and Plumbing Systems (Building Construction)
3. Criminal Justice
4. Fine Arts (Art, Band, Keyboarding, Chorus, Theater)
5. Health Science
6. Family and Consumer Science (Human and Social Sciences or Dietetics and Nutrition)
7. Welding
8. Auto Mechanics
9. Cosmetology
10. STEM (Aviation)
11. Mechatronics
12. Business Management

Within each cluster, students will choose a pathway and program. Each program consists of course sequences that may be completed along with suggested supporting courses to help you select the best classes for the foundation, knowledge, and skills related to your career goals. Course requirements and prerequisites are listed.

Graduation Requirements

In order to receive an Obion County Central High School Diploma all students are expected to complete the following core curriculum and selected electives:

- 1) All students enrolled at Obion County Central High School must be pursuing a diploma.
- 2) The requirements for graduation are outlined below:

<u>Subject Area</u>	<u>Credits</u>
English.....	4
Math.....	4
Science.....	3
Social Studies.....	3
Wellness.....	1
PE.....	½
Personal Finance.....	½
Computer Science.....	1
Foreign Language**.....	2
Fine Art**.....	1
Electives*.....	7
TOTAL CREDITS TO GRADUATE.....	24

*Students must complete 3 credits in the same FOCUS AREA. ** Can be waived

Obion County Central High School Core Curriculum

English..... 4 credits

English 9	Advanced English 9
English 10	Advanced English 10
English 11	Advanced English 11
English 12	DE English

Mathematics 4 credits, min

***Students must be enrolled in a math course all 4 years.**

Algebra I	Advanced Algebra I	Statistics
Algebra II	Advanced Geometry	College Algebra
Geometry	DE College Algebra	Calculus
Math Reasoning		DE Statistics/DE College Algebra
DE Statistics		
DE Calculus		

Science..... 3 credits

2 of your sciences must be Biology and Chemistry or Physics.

Biology I	Physical Science	Advanced Physical Science
Advanced Biology I	Chemistry I	Agriscience
Advanced Chemistry I	AP Chemistry	
Advanced Physics	DE Biology	

Social Studies 3 credits

World History	AP Human Geography	Economics
U.S. History	AP U.S. History	Government

Wellness.....	1 credit
Physical Education.....	1/2 credit
Personal Finance.....	1/2 credit
Computer Science.....	1 credit
Focus Area.....	3 credits
Electives	4 credits
Total	24 credits

Special Education

Diploma options for students with Individualized Education Plans are discussed and selected upon placement in the program and/or during annual IEP team meetings. Individual Case Managers may be contacted for specific information regarding diploma options and course requirements.

Electives

.5 Credit Electives

- CTE Exploration
- Driver's Education

1 Credit Electives

- ACT Prep
- Basketball (up to 2 credits, per the State of Tennessee)
- Football (up to 2 credits, per the State of Tennessee)
- Yearbook

World Languages

- Spanish 1
- Spanish 2

Fine Arts

- Art 1, 2, 3
- AP Art
- Band
- Vocal Music
- Keyboarding
- AP Music Theory

Elective Focus

The intent of the **elective focus** is to provide students with an opportunity to explore a particular academic area in greater depth. The **elective focus** may be CTE, science and math, humanities, fine arts, AP, or other areas approved by the local board of education. A student must complete 3 credits in any one elective focus area. You must complete an elective focus to graduate.

Elective Focus options at Obion County Central are:

- Advanced Placement (AP) Courses
- Agriculture
- STEM: Aviation
- Mechanical, Electrical and Plumbing (MEPS) Systems
- Cosmetology
- Criminal Justice
- Fine Arts
- Health Science
- Human Services
- Automotive Maintenance and Light Repair (Auto Mechanics)
- Math and Science (3 upper-level credits beyond the required math and science courses)
- Mechatronics
- Welding
- Business Management

Obion County Challenge Program

To be a graduate of the Obion County Challenge Program, the student must have completed, as part of his/her graduation requirements:

- Must meet all high school requirements for the college path, including foreign language and fine art.
- Must have 95% attendance rate for 4 (four) years of high school
- Beginning with the Class of 2023, must score at least a 21 composite on the ACT.
- Must take at least 50% of the school's Advanced/Advanced Placement/Dual Enrollment courses over 4 (four) years.
- Must have a final grade of 85 or above in all courses.
- Must take 4 sciences:
 - Physical Science (regular or advanced)
 - Biology 1 (regular or advanced)
 - Chemistry 1 (regular or advanced)
 - AP Chemistry
 - Advanced Physics
 - Anatomy and Physiology (Intended for Health Occupations elective focus students)
 - DE Biology
- Must have an acceptable discipline record with no out of school suspensions.

*Refer to Board Policy 4.602

Dual Enrollment

Dual Enrollment allows qualified high school students to enroll in college level courses at post-secondary institutions in order to earn dual credits for a high school and/or post-secondary diploma at both the high school and the participating postsecondary institution. The Tennessee Dual Enrollment grant will be utilized to pay for these courses. Once the grant has been depleted, college tuition is the responsibility of the student.

Bethel University Admission Requirements

Students must be in grade eleven, or twelve, and be classified as a junior or senior. You must have a 3.0 GPA “B” average for academic courses. Finally, you must obtain written approval from the principal or counselor. Students must meet the entrance requirements of the college, and normal tuition rates and fees apply for dual enrollment students. Visit <http://dualenrollment.bethelu.edu/index.html>

TCAT Northwest

We currently offer DE in Cosmetology, Welding, Automotive and Building Construction.

Advanced Placement (AP) Courses / Examinations

Obion County Central High School offers a variety of Advanced Placement courses and administers Advanced Placement exams in May of each year. Because of their academic rigor, AP courses are assigned a weighted grade. Acceptable AP test scores may enable students to earn college credit by demonstrating competence in freshman, college-level course work. Advanced Placement exams are offered in the following areas: Biology, Chemistry, Geography, and US History. Most Advanced Placement courses require summer assignments.

Students and parents should be very sensitive to the demanding nature of Advanced Placement courses. Reading expectations for the classes are extensive. Students will be involved in college level activities, particularly in the areas of writing skills and test taking. Advanced Placement courses place a high degree of emphasis on the student's self-motivation, study skills, and the ability to self-direct his/her own learning. If students have questions as to their potential in a course, they should check with their current teacher of that particular subject. Students have the choice of whether or not to take the AP exams which are given in May. The cost is approximately \$100 per exam (effective 2016-2017).

ACT

Taking the ACT is a state graduation requirement All students enrolled in grade 11 will take the ACT in April. Students enrolled in grade 12 will take the ACT in October. Scores from this test may be used for college admission. Benchmark scores for the ACT are as follows:

English 18	Reading 22	Math 22	Science 23
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Tennessee HOPE Scholarship (Lottery)

Award Information:

Beginning with the Class of 2022:

Four-Year Institutions and two-year institutions with on-campus housing: Up to \$2,250 per full-time enrollment semester as a freshmen and sophomore; then up to \$2,850 per full-time enrollment semester as a junior and senior. The total is \$20, 400 for four years.

Two-Year Institutions: Up to \$1,600 per full-time enrollment semester as a freshman and sophomore

- *Award amounts are available for summer enrollment*
- *Class status is determined by the postsecondary institution*

Eligibility

Entering freshmen must meet the following criteria

- Be a Tennessee resident as classified by the Tennessee Board of Education; pursuant to TCA 49-8-104,
- Graduate from a TN eligible high school
 - Exceptions may be granted to TN residents who graduate from high schools located in states other than Tennessee. They include:
 - High schools located in bordering out-of-state counties
 - High schools in which dependents of active duty military members or civilian workers of the US Department of Defense, Tennessee National Guard on active duty may attend
 - Members of the Armed Forces or TN National Guard must have Tennessee as the Home of Record at the time of entry into military service; or be classified as
 - an in-state student under the Tennessee Board of Regents promulgated rules by the FAFSA application date.
 - High schools in which dependents of full-time religious workers in foreign nations may attend
 - Out-of-state boarding schools that are regionally accredited or accredited by the National Association of Independent Schools (NAIS)

- Enroll in one of the Tennessee public colleges, universities, or private colleges.
- Entering freshmen must achieve a minimum of a 21 ACT or a minimum of 1060 SAT, exclusive of the essay and optional subject area battery tests ([concordant equivalent score](#)) OR
- Overall minimum 3.0 grade point average (GPA*)
- Home School graduates – minimum 21 ACT exclusive of the essay and optional subject area battery tests. Home school GPAs are not considered.
- GED ® recipients – minimum 21 ACT exclusive of the essay and optional subject area battery tests and qualifying GED ® score. Minimum average Revised GED ® score is 170.
- HiSet recipients – minimum 21 ACT exclusive of the essay and optional subject area battery tests and qualifying HiSet score. Minimum average HiSet score is 15.
- ACT/SAT exams must be taken on a national test date or state test date and prior to the first day of college enrollment. The ACT Residual test is not accepted.
- Must enroll within 16 months following high school graduation at any postsecondary institution.

**Grade point average means a grade point average on a 4.0 scale calculated with additional internal quality points awarded for advanced placement, honors or other similar courses according to the Uniform Grading Policy adopted by the State Board of Education.*

FROM THE DESK OF
GEORGE LEAKE

According to data provided by the Tennessee Department of Economic Development, by 2027 over 70% of all jobs will require training beyond a high school diploma. Did you know that students can begin that training while still in high school?

Obion County Schools Career and Technical Education (CTE) program is designed to prepare students for their future careers now! By aligning rigorous coursework with intensive hands-on experiences, CTE is much more than yesterday's "Vocational Education." Our students have the opportunity to gain employable skills, nationally recognized industry certifications, and early postsecondary credits through dual enrollment classes. We offer courses from the following Programs of Study:

Advanced Manufacturing	Mechatronics, Welding
Agriculture	Veterinary and Animal Science, Agriscience, Horticulture Science
Architecture & Construction	Mechanical/Electrical/Plumbing
Business Management	Business Management
Family and Consumer Science	Nutrition, Child and Family Studies
Health Science	Diagnostic Services, Nursing Services, Therapeutic Services
Human Services	Cosmetology
Information Technology	Computer Science
Law, Corrections, and Security	Law Enforcement Services, Criminal Justice
STEM	STEM Aviation
Transportation & Logistics	Automotive Maintenance and Light Repair

We also offer Work Based Learning to Senior students who meet criteria for leaving campus early to participate in internships, apprenticeships, and paid work experiences at employers throughout Obion County.

Regardless of your career aspirations, chances are that there is a CTE course that will help prepare you to meet your goals. If you have any questions, feel free to reach out to the school counselors at OCCHS, check out the CTE webpage under the "Our District" tab of the Obion County Schools website, or contact me at the information below.



George Leake

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Career Technical Education (CTE)

We encourage all students to seriously consider selecting courses with one of the clusters that will complement their academic experience. Career Tech students will also have the opportunity to complete Career Readiness Indicator (CRI) assessments in their program that may lead to industry certification. Please see the program instructor for more information.

Career Cluster: Agriculture

Corresponding Student Organization: FFA

Course Offerings	Recommended Grades
Agriscience (also counts as a lab science)	9 10
Small Animal Science / Work-based learning (2 periods)	12
Large Animal Science	10 11 12
Greenhouse / Plant and Soil Science	10 11 12
Veterinary Science	11 12
Landscaping & Turf Management	11 12

Career Cluster: Health Science Technology

Corresponding Student Organization: HOSA

Course Offerings	Recommended Grades
Health Science Education	9 10
Medical Therapeutics / Diagnostic	10 11 12
Anatomy & Physiology	11 12
Nursing Ed and Work Based Learning (2 periods)	11 12
Clinical Internship (2 periods)	11 12

Career Cluster: Law & Public Safety

Corresponding Student Organization: SKILLS USA

Course Offerings	Recommended Grades		
Criminal Justice 1	10	11	12
Criminal Justice 2		11	12
Criminal Justice 3		11	12

Career Cluster: Maintenance and Light Repair (Auto Mechanics)

Corresponding Student Organization: SKILLS USA

Course Offerings	Recommended Grades			
Maintenance & Light Repair I	9	10	11	12
Maintenance & Light Repair II		10	11	12
Maintenance & Light Repair III DE (2 periods)			11	12
Maintenance & Light Repair IV DE (2 periods)			11	12

Career Cluster: Mechanical, Electrical and Plumbing (MEPS) Systems

Corresponding Student Organization: SKILLS USA

Course Offerings	Recommended Grades			
Fundamentals of Construction	9	10	11	12
MEPS		10	11	12
Plumbing/Electrical		10	11	12
Construction Practicum DE				12

Career Cluster: Human Services

Corresponding Student Organization: FCCLS

Course Offerings	Recommended Grades			
Intro to Human Studies	9	10	11	12
Nutrition Across the Lifespan		10	11	12
Nutrition Science			11	12
Intro to Human Studies	9	10	11	12
Lifespan Development		10	11	12
Family Studies			11	12

Career Cluster: Welding

Corresponding Student Organization: SKILLS USA

Course Offerings	Recommended Grades			
Principles of Manufacturing	9	10	11	12
Welding 1 (2 periods)		10	11	12
Welding 2 DE (2 periods)			11	12

Career Cluster: Cosmetology

Corresponding Student Organization: SKILLS USA

Course Offerings	Recommended Grades			
Principles of Cosmetology (2 periods)	9	10	11	12
Design Principles of Cosmetology (2 periods)		10	11	12
Chemistry of Cosmetology DE (2 periods)			11	12
Cosmetology 4 DE				12

Career Cluster: Aviation

Course Offerings	Recommended Grades			
Aviation (1 st year)	9			
Aviation (2 nd year)		10		
Aviation (3 rd year)			11	
Aviation (4 th year)				12

Career Cluster: Business

Course Offerings	Recommended Grades			
Introduction to Business and Marketing	9	10		
Accounting 1		10	11	
Business Management			11	12

Career Cluster: Mechatronics

Course Offerings	Recommended Grades		
Principles of Engineering & Technology	9		
Digital Electronics	10	11	12
Mechatronics 1		11	12
Robotics		11	12
Mechatronics 2 (requires physics)			12

Work-Based Learning

Course Offering **12th Grade Only**

Work Based Learning

Students must meet all program requirements and complete the application process in order to enroll in work-based learning. Must have 90% attendance rate to be eligible.

Eligibility to Participate in Extra-Curricular Activities

Students entering the 9th - 12th grades who wish to participate in any extra-curricular activity that requires after-school practices and/or performances must have a passing grade for 6 out of 7 courses taken. Students participating in athletics have additional requirements to maintain eligibility as defined by the Tennessee High School Athletic Association. Activities that are an extension of a class are not subject to this eligibility criteria.

Extra-Curricular Activities

Obion County Central High School is committed to the belief that ethnic diversity adds richness to all activities and learning opportunities. Therefore, students of all ethnic heritages are strongly encouraged to join and actively participate in any club or activity that operates under the sanctioning of Obion County Central High School. Some clubs have open enrollment to those students who express interest in being in that club or activity, and in the case of honor societies, have met the membership and GPA requirements. Other organizations require an application and acceptance process. Students who wish to join any of the clubs listed below should direct questions to the club sponsor and/or club officers at the start of each school year.

- Art Club
- Beta Club
- Drama Club
- Fellowship of Christian Athletes
- Future Farmers of America
- HOSA
- Key Club (Kiwanis)
- National Honor Society
- Obion County Student Anglers
- Skills USA
- Student Council
- Student Ambassadors
- Youth Leadership Obion County
- Rotary Interact

Agriculture

Agriscience	
Course Code: 8010	1 Credit
Prerequisite:	Year(s) Offered: 9, 10
Course Description: Agriscience is an introductory laboratory science course that prepares students for biology, subsequent science and agriculture courses, and postsecondary study. This course helps students understand the important role that agricultural science and technology plays in the twenty-first century. In addition, it serves as the first course for all programs of study in the Agriculture, Food, & Natural Resources cluster. Upon completion of this course, proficient students will be prepared for success in more advanced agriculture and science coursework. This course counts as a lab science credit toward graduation requirements.	

Small Animal Science / Work Based Learning	
Course Code: 8110	1 Credit
Prerequisite: Agriscience	Year(s) Offered: 12
Course Description: Small Animal Science is an intermediate course in animal science and care for students interested in learning more about becoming a veterinarian, vet tech, vet assistant, or pursuing a variety of scientific, health, or agriculture professions. This course covers anatomy and physiological systems of different groups of small animals, as well as careers, leadership, and history of the industry. Upon completion of this course, proficient students will be prepared for more advanced coursework in veterinary and animal science. This course will also cover basic grooming practices for dogs.	

Large Animal Science	
Course Code: 8120	1 Credit
Prerequisite: Agriscience	Year(s) Offered: 10, 11, 12
Course Description: Large Animal Science is an applied course in veterinary and animal science for students interested in learning more about becoming a veterinarian, vet tech, vet assistant, or pursuing a variety of scientific, health, or agriculture professions. This course covers anatomy and physiological systems of different groups of large animals, as well as careers, leadership, and history of the industry. Upon completion of this course, proficient students will be prepared for success in the level-four Veterinary Science course and further postsecondary training.	

Plant Science	
Course Code: 8200	1 Credit
Prerequisite: Agriscience	Year(s) Offered: 10, 11, 12
<p>Course Description:</p> <p><i>Principles of Plant Science and Hydroculture</i> focuses on essential knowledge and skills related to the science of plant growth. This course covers principles of plant health, growth, reproduction, and biotechnology, as well as fundamental principles of hydroponics and aquaponics.</p>	

Greenhouse

Course Code: 8400	1 Credit
Prerequisite: Agriscience	Year(s) Offered: 10, 11, 12
<p>Course Description:</p> <p><i>Greenhouse Management</i> is an applied-knowledge course designed to prepare students to manage greenhouse operations. This course covers principles of greenhouse structures, plant health and growth, growing media, greenhouse crop selection and propagation, and management techniques. Students will manage the school FFA chapter's greenhouse and sale.</p>	

Veterinary Science

Course Code: 8475	1 Credit
Prerequisite: Agriscience	Year(s) Offered: 11, 12
<p>Course Description:</p> <p>Veterinary Science is an advanced course in animal science and care for students interested in learning more about becoming a veterinarian, vet tech, vet assistant, or pursuing a variety of scientific, health, or agriculture professions. This course covers principles of health and disease, basic animal care and nursing, clinical and laboratory procedures, and additional industry-related career and leadership knowledge and skills. Upon completion of this course, students will be able to pursue advanced study of veterinary science at a postsecondary institution.</p>	

Landscaping & Turf Management

Course Code: 8300	1 Credit
Prerequisite: Agriscience	Year(s) Offered: 11, 12
<p>Course Description:</p> <p>Landscaping and Turf Science is an applied course designed to provide challenging academic standards and relevant technical knowledge and skills needed for further education and careers in landscape design, maintenance, and turf management. Content includes site analysis and planning, principles of design, and plant selection and care techniques. Upon completion of this course, proficient students will be prepared to pursue advanced study of landscaping and turf science at a postsecondary institution.</p>	

Auto Mechanics

Maintenance & Light Repair I	
Course Code: 9200	1 Credit
Prerequisite:	Year(s) Offered: 9, 10, 11, 12
Course Description: The Maintenance and Light Repair I (MLR I) course prepares students for entry into Maintenance and Light Repair II. Students explore career opportunities and requirements of a professional service technician. Content emphasizes beginning transportation service skills and workplace success skills. Students study safety, tools, equipment, shop operations, basic engine fundamentals, and basic technician skills.	

Maintenance & Light Repair II	
Course Code: 9210	1 Credit
Prerequisite: MLR I	Year(s) Offered: 10, 11, 12
Course Description: The Maintenance and Light Repair II (MLR II) course prepares students for entry into Maintenance and Light Repair III. Students study automotive general electrical systems, starting and charging systems, batteries, lighting, and electrical accessories.	

Maintenance & Light Repair III DE	
Course Code: 9220	1 Credit
Prerequisite: MLR II	Year(s) Offered: 11, 12
Course Description: The Maintenance and Light Repair III (MLR III) course prepares students for entry into Maintenance and Light Repair IV. Students study and service suspension and steering systems and brake systems.	

Maintenance & Light Repair IV DE	
Course Code: 9230	1 Credit
Prerequisite: MLR III	Year(s) Offered: 11, 12
Course Description: The Maintenance and Light Repair IV (MLR IV) course prepares students for entry into the automotive workforce or into post secondary training. Students study and service automotive HVAC systems, engine performance systems, automatic and manual transmission/transaxle systems, and practice workplace soft skills.	

Aviation

Aviation 1	
Course Code: 9700	1 Credit
Prerequisite:	Year(s) Offered: 9
Course Description: Introduction to Aerospace is a comprehensive foundations course for students interested in pursuing careers in aviation. This course covers the basic principles governing flight and the regulation of flight that every aviation professional must know regardless of his or her occupation—as a pilot or an engineer, a salesperson or a specialist, a mechanic or a statistician. In addition to acquiring foundational knowledge of safety procedures and industry regulations, students will also gain essential understanding of aircraft structures, the flight environment, basic procedures, and navigation in preparation for further study in Principles of Flight and Advanced Flight courses. Students will be introduced to basic flight procedures and techniques and then have an opportunity to develop their piloting skills by using the Microsoft Flight Simulator X software on very high speed computers. Course content prepares students for advancement in the aerospace industry and for post secondary education through an emphasis on math, science, and communication skills.	

Aviation 2	
Course Code: 9705	1 Credit
Prerequisite:	Year(s) Offered: 10, 11
Course Description: Principles of Flight builds on the fundamental knowledge and skills learned in Introduction to Aerospace while teaching students the essential competencies needed for flight under normal conditions. Upon completion of this course, students will be able to apply knowledge, skills, and procedures in a variety of simulated flight environments. Students will continue to develop their piloting skills using the Microsoft Flight Simulator X. Moreover, students who complete this course will have the opportunity to move on to advanced study where they will continue to prepare for the FAA Private Pilot written exam. Course content prepares students for advancement in the aerospace industry and for post-secondary education.	

Aviation 3: Introduction to Aerospace / Dual Credit AERO 1010 Introduction to Aerospace (MTSU only)	
Course Code: 9710	1 Credit
Prerequisite:	Year(s) Offered: 11, 12
<p>Course Description:</p> <p>An aviation professional must have a basic understanding of the aviation industry as a whole, both in order to make informed choices about the various career paths within the industry and to be a contributing member of the aviation industry. This course is designed to meet that requirement through study of the various aspects of the industry. At the conclusion of this course, the student will be conversant about the aviation industry: its history, its structure and importance, the fundamentals of flight, and the career options available. Students will demonstrate an understanding of: career opportunities in the aerospace industry and the career planning required to maximize those opportunities; aerospace infrastructure including airports, airspace, air traffic control, and regulatory bodies; safety, human factors, and crew resource management; the history of aviation; the current issues and events in the aviation industry; and a fundamental knowledge of aircraft systems.</p> <p>Students who desire to do so will begin flight training with a certified flight instructor (CFI) to earn required hours needed for their private pilot license and may solo by year end.</p>	

Aviation 4: Professional Pilot I / Dual Credit AERO 2230 Professional Pilot I (MTSU only)	
Course Code: 9715	1 Credit
Prerequisite:	Year(s) Offered: 12
<p>Course Description:</p> <p>Upon completion of this course, the student should be prepared to complete the FAA Private Pilot knowledge test, and should also be prepared for the oral examination portion of the FAA Private Pilot check ride. Topics covered include: airplane systems, aerodynamics, the flight environment, communications and flight information, aviation weather, aircraft performance, weight and balance, navigation, and physiology.</p> <p>Students who have previously begun flight training will continue to earn required hours needed for their private pilot license.</p>	

Construction (Carpentry)

Fundamentals of Construction	
Course Code: 9401	1 Credit
Prerequisite:	Year(s) Offered: 9, 10, 11, 12
<p>Course Description: Through this class, you will work on leadership skills, citizenship, and teamwork. You will participate in SKILLS USA. During the class time, you will learn to work with others, practice safety and fire prevention, read plans and prints, work with various hand and power tools, and you will learn to make accurate measurements and calculations.</p>	

Dual Enrollment Construction I and II	
Course Code: 9412 & 9413	1 Credits
Prerequisite: MEPS	Year(s) Offered: 10, 11, 12
<p>Course Description: Construction Practicum is a capstone course intended to provide students with the opportunity to apply the skills and knowledge learned in previous Architecture & Construction courses within a professional, working environment. In addition to developing an understanding of the professional and ethical issues encountered by tradesmen and contractors in the workplace, students learn to refine their skills in problem solving, communication, teamwork, and project management in the completion of a course-long project. Due to the importance of on-the-job training in the construction industry, a principle aim of the practicum is to assist students with placements where on-the-job training occurs, if available, so they can begin to log hours on a worksite and gain experience prior to entering the job market, such as in pre-apprenticeships. Additionally, students are exposed to the great range of postsecondary opportunities in today's construction fields as well, in order to prepare them to make an informed decision regarding their post-high school plans.</p> <p>The course is highly customizable to meet local system needs. Instruction may be delivered through work-based learning arrangements such as internships, cooperative education, service learning, mentoring, and job shadowing or through school laboratory training with industry-driven projectbased learning. For all projects undertaken in this course, students are expected to continue building skills related to their chosen program of study (Residential & Commercial Construction, Structural Systems, or Mechanical, Electrical, & Plumbing Systems), while also refining skills previously acquired to achieve deeper levels of mastery. In the course, students may pursue additional training and certification in a specialized area such as masonry, concrete, electricity, plumbing, HVAC, or carpentry. Upon completion of the practicum, proficient students will be prepared to pursue further study in architecture or construction, or seek additional training and employment with the aid of a portfolio documenting student work completed throughout high school.</p>	

Construction Practicum	
Course Code:	1 Credit
Prerequisite:	Year(s) Offered: 12
<p>Course Description: This course is intended to provide students with the opportunity to apply skills and knowledge learned in previous Architecture & Construction courses within a professional, working environment. Developing an understanding of the professional and ethical issues encountered by tradesmen and contractors in the workplace, students learn to refine their skills in problem-solving, communication, teamwork, and project management in a course-long project. Due to the importance of on-the-job training construction, a principle aim of the practicum is to assist students with placement where on-the-job training occurs, so they begin to log hours on a worksite and gain experience prior to entering the job market, such as in pre-apprenticeships. Students are exposed to the great range of postsecondary opportunities in today's construction fields as well, in order to prepare them to make an informed decision for their post-high school plans. The course is highly customizable to meet local system needs. Instruction may be delivered through work-based learning such as internships, cooperative education, service learning, mentoring, and job shadowing, or school laboratory training with industry-driven project-based learning. For all projects undertaken in this course, students are expected to continue building skills related to their chosen program of study (Residential & Commercial Construction, Structural Systems, or MEP Systems), while refining skills previously acquired to achieve deeper levels of mastery. Students may pursue additional training and certification in a specialized area such as masonry, concrete, electricity, plumbing, HVAC, or carpentry. Upon completion of the practicum, proficient students will be prepared to pursue further study in architecture or construction or seek additional training and employment with the aid of a portfolio documenting student work completed throughout high school.</p>	

Cosmetology

Principles of Cosmetology	
Course Code: 9300	2 Credits
Prerequisite:	Year(s) Offered: 9, 10, 11, 12
Course Description: Cosmetology I is the foundational course in Human Service cluster for students interested in learning more about becoming a cosmetologist.	

Design Principles of Cosmetology	
Course Code: 9350	Up to 4 Credits
Prerequisite:	Year(s) Offered: 10, 11, 12
Course Description: This is the second course in the Cosmetology program of study intended to prepare students for careers in cosmetology by developing an understanding of efficient and safe work practices, nail procedures, hair design, and chemical services.	

Chemistry of Cosmetology DE	
Course Code: 9380	Up to 4 Credits
Prerequisite: Design Principles of Cosmetology	Year(s) Offered: 11, 12
Course Description: This is the third course in the Cosmetology program of study intended to prepare students for careers in cosmetology by developing an understanding of efficient and safe work practices, salon business concepts and operations, advanced hair techniques and chemical services, and facial and skin care procedures. All students will gain experience in practical applications of cosmetology practices. Laboratory facilities and experiences simulate those found in the cosmetology industry. Upon completion and acquisition of 1500 hours, students are eligible to take the Tennessee Board of Cosmetology Examination to attain a Tennessee Cosmetology License. Artifacts will be created for inclusion in a portfolio, which will continue throughout the full sequence of courses.	

Cosmetology 4 DE	
Course Code: 9390	Up to 4 Credits
Prerequisite: Chemistry of Cosmetology	Year(s) Offered: 12
<p>Course Description: Cosmetology IV is the capstone course in the Cosmetology program of study intended to prepare students for careers in cosmetology by developing an understanding and practical skills in efficient and safe work practices, career and business analysis, advanced hair techniques and chemical services, and state board theoretical and practical application. Proficient students will have applied the full range of knowledge and skills acquired in this program of study toward experiences in Page 2 practical applications of cosmetology practices as approved by the instructor. Laboratory facilities and experiences simulate those found in the cosmetology industry. Upon completion and acquisition of 1500 hours, students are eligible to take the Tennessee Board of Cosmetology Examination to attain a Tennessee Cosmetology License. Artifacts will be created for inclusion in a portfolio, which will continue throughout the full sequence of courses.</p>	

Criminal Justice

Criminal Justice 1	
Course Code: 8900	1 Credit
Prerequisite:	Year(s) Offered: 10, 11, 12
Course Description: Criminal Justice I is a course in Law Enforcement Services and the Legal and Correctional Services programs of study. It serves as a comprehensive survey of how the law enforcement, legal, and correctional systems interact with each other in the United States. Upon completion of this course, proficient students will understand the context of local, state, and federal laws, have Page 2 investigative skills pertaining to basic crime scenes and incident documentation, and understand the importance of communications and professionalism in law enforcement.	

Criminal Justice 2	
Course Code: 8910	1 Credit
Prerequisite: Criminal Justice 1	Year(s) Offered: 11, 12
Course Description: Criminal Justice II is an integrated survey of the law and justice systems for students interested in pursuing careers in law enforcement and legal services. From initial crisis scenario management to arrest, transport, trial, and corrections, procedures and laws governing the application of justice in the United States are examined in detail, with special emphasis on the best practices and professional traits required of law enforcement and legal professionals. Upon completion of this course, proficient students will be prepared for advanced work in crime scene analysis and forensic science, and have strong knowledge and skill preparation for postsecondary or career opportunities in associated fields.	

Criminal Justice 3	
Course Code: 8920	1 Credit
Prerequisite: Criminal Justice 2	Year(s) Offered: 11, 12
Course Description: Criminal Justice III Investigations is the final course designed to equip students with the knowledge and skills to be successful in the sciences of criminal investigations. Students will learn terminology and investigation skills related to the crime scene, aspects of criminal behavior, and applications of the scientific inquiry to solve crimes. By utilizing the scientific inquiry method, students will obtain and analyze evidence through simulated crime scenes and evaluation of case studies. Upon completion of this course, proficient students will be able to identify careers forensic science and criminology, summarize the laws that govern the application of forensic science, and draw key connections between the history of the forensic science system and the modern legal system.	

Enrichment

Yearbook	
Course Code: 6500	1 Credit
Prerequisite:	Year(s) Offered: 11, 12
Course Description: This is a year-long course in which students create the OCCHS yearbook. Students must fill out an application for consideration. Students who are accepted into the class will learn or hone existing skills in journalism, photography, graphic design, and marketing. After training, they will be expected to work independently to create page layouts, conduct interviews, take compelling photos, write journalistically sound stories and captions, and effectively use our online page creation software. Students also will be required to do some summer work, including independently selling business ads, and helping with senior portraits. Teacher approval required.	

CTE Exploration	
Course Code: 4130	½ Credit
Prerequisite:	Year(s) Offered: 10, 11, 12
Course Description: Course Description: CTE Exploration is an introductory course designed to assist students in (a) discovering their personal strengths and abilities, (b) understanding opportunities available to them in different career areas, and (c) practicing skills necessary to excel in the workforce and in postsecondary learning. Upon completion of this course, proficient students will know and exhibit soft skills (e.g. teamwork, creative thinking, and problem solving), as well as more technical skills (e.g. resume building and written communications) related to career exploration and experience. Students will also learn about and be exposed to existing CTE pathways and elective focus options within a high school setting and will learn how to successfully transition into a district recognized career academy or program of study.	

ACT Prep	
Course Code: 5500	1 Credit
Prerequisite:	Year(s) Offered: 11
Course Description: The purpose of this course is to improve the overall Composite ACT score with emphasis on each subtest. The student may need to improve the score to 18, 21, or to reach scholarship levels such as 27-30.	

Driver's Education	
Course Code: 4140	½ Credit
Prerequisite: Must be 15 years old	Year(s) Offered: 9, 10, 11, 12
<p>Course Description: Driver Education is a two-phase program consisting of: (1) classroom instruction and (2) behind the-wheel instruction throughout city, interstate and residential roadways. This course will meet the state requirements of 30 hours classroom instruction and behind the-wheel instruction of 6 hours. The course will build a solid foundation of knowledge and practice for students by teaching laws of the road with emphasis on the effects of alcohol, drugs and driving distractions.</p>	

Business

Introduction to Business and Marketing	
Course Code: 7970	1 Credit
Prerequisite:	Year(s) Offered: 9, 10
<p>Course Description: Introduction to Business and Marketing is an introductory course designed to give students an overview of the Business Management and Administration, Marketing, and Finance career clusters. The course helps students prepare for the growing complexities of the business world by examining basic principles of business, marketing, and finance in addition to exploring key aspects of leadership, ethical and social responsibilities, and careers. Students' academic skills in communications, mathematics, and economics are reinforced with activities modeled in the context of business topics. Upon completion of this course, proficient students will be equipped with the foundational skills to succeed in any of the Business, Marketing, or Finance programs of study and will be prepared to make an informed decision regarding which pathways they would like to pursue in high school.</p>	

Accounting 1	
Course Code: 7975	1 Credit
Prerequisite: Introduction to Business	Year(s) Offered: 10, 11
<p>Course Description:</p> <p>Accounting I is an essential course for students who wish to pursue careers in business and finance, or for those who wish to develop important skillsets related to financial literacy. Whether students aspire to be future business owners or work in the finance industry, accounting skills prepare students to succeed in various fields. In this course, students learn to analyze business transactions and financial statements, conduct financial analyses, and journalize, post, and prepare worksheets. Additionally, students discover the ethical considerations of accounting professionals and the standards of practice governing their work, such as the GAAP (Generally Accepted Accounting Procedures) standards. This course prepares students to apply their accounting skills in advanced business and finance courses and ultimately pursue postsecondary training.</p>	

Business Management	
Course Code: 7940	1 Credit
Prerequisite: Accounting 1	Year(s) Offered: 11, 12
<p>Course Description:</p> <p>Business Management focuses on the development of the planning, organizing, leading, and controlling functions required for the production and delivery of goods and services. This applied knowledge course addresses the management role of utilizing the businesses' resources of employees, equipment, and capital to achieve an organization's goals. Students will participate in a continuing project throughout the course in which, individually or in teams, they will present recommendations to improve an existing business. Local business partnerships are encouraged to provide resources for faculty and students. Upon completion of this course, proficient students will be able to complete a full review of an existing business and offer recommendations for improvement as would a management consultant.</p>	

Fine Arts

Art 1	
Course Code: 7300	1 Credit
Prerequisite:	Year(s) Offered: 9, 10, 11, 12
Course Description: Art 1 is an introductory course which covers the basic elements of art. The creative process and techniques using a variety of drawing, painting and other media are also explored. Also included is three-dimensional design, such as pottery, papier mache and simple sculpture. This course is a prerequisite course for advanced art classes.	

Art 2	
Course Code: 7350	1 Credit
Prerequisite: Art 1	Year(s) Offered: 10, 11, 12
Course Description: The Art 2 curriculum expands on the basic foundational concepts received in Art 1. Projects are more in-depth as additional media are explored. Drawing, painting, printing, oil pastels, and extensive units in graphic design and pottery are among the areas of study. Students are challenged to use their imagination and creativity to produce unique works of art.	

Art 3	
Course Code: 7400	1 Credit
Prerequisite: Art 2	Year(s) Offered: 11, 12
Course Description: The basic knowledge received in Art 1 and 2 are used as students begin to develop their own styles while creating their own brand of art. Projects are much more extensive, using additional techniques and media while beginning to work more independently. Calligraphy, paper making, bookmaking and Photoshop are some of the additional units of study.	

AP Art	
Course Code: 7460	1 Credit
Prerequisite: Art 2	Year(s) Offered: 11, 12
Course Description: Develop your skills in drawing as you explore different media and approaches. You'll create artwork that reflects your own ideas and skills and what you've learned. Skills you will learn include: <ul style="list-style-type: none">• Investigating the materials, processes, and ideas that artists and designers use• Interpreting works of art and design• Practicing, experimenting, and revising as you create your own work• Communicating your ideas about works of art and design	

Band	
Course Code: 7500	1 Credit
Prerequisite: Middle School Band/Returning OCCHS Band Member	Year(s) Offered: 9, 10, 11, 12
<p>Course Description: This course will provide a large ensemble setting for students who wish to continue to develop both their own instrumental skill and that of an ensemble member interested in participating in the Concert Band and Marching Band settings. Students will be required to attend all performances of the OCCHS Rebel Band.</p>	

Chorus	
Course Code: 7600	1 Credit
Prerequisite: None	Year(s) Offered: 9, 10, 11, 12
<p>Course Description: Chorus courses develop students' vocal skills within the context of a large choral ensemble in which they perform a variety of styles of repertoire. These courses are designed to develop students' vocal techniques and their ability to sing parts and include experiences in creating and responding to music.</p>	

Piano Keyboarding	
Course Code: 7800	1 Credit
Prerequisite:	Year(s) Offered: 9, 10, 11, 12
<p>Course Description: Piano Keyboarding is designed to teach the concepts and fundamentals needed to perform on the piano. It will increase musical understanding beyond just reading notes by teaching students a vocabulary of chords and keys, accompaniment patterns, and improvisational techniques. Students will play melodies in several positions and have the opportunity to participate in ensemble playing. Students will develop good practice habits, and learn techniques to increase the muscular agility and flexibility of their hands. We will delve into music at its source, find out how music is constructed, and discover the composers and history behind the music.</p>	

Theater	
Course Code: 7455	1 Credit
Prerequisite:	Year(s) Offered: 9, 10, 11, 12
<p>Course Description: Theater courses help students experience and develop skill in one or more aspects of theatrical production. Introductory courses provide an overview of theatrical elements including acting, set design, stage management, directing, playwriting, and production. Advanced courses concentrate on extending and refining dramatic technique, expanding students' exposure to different types of theatrical styles, genres, and traditions, and increasing their participation in public productions.</p>	

AP Music Theory	
Course Code: 7900	1 Credit
Prerequisite:	Year(s) Offered: 10, 11, 12
<p>Course Description: This course is designed to be the equivalent of a first-year music theory college course as specified by the College Board. AP Music Theory develops students' understanding of musical structure and compositional procedures. Usually intended for students who already possess performance-level skills, AP Music Theory courses extend and build upon students' knowledge of intervals, scales, chords, metric/rhythmic patterns, and the ways they interact in a composition. Musical notation, analysis, composition, and aural skills are important components of the course.</p>	

Health Science Technology

Health Science Education	
Course Code: 8800	1 Credit
Prerequisite:	Year(s) Offered: 9, 10
Course Description: Health Science Education is an introductory course designed to prepare students to pursue careers in the fields of public health, therapeutics, health informatics, diagnostics, and support services. Upon completion of this course, a proficient student will be able to identify careers in these fields, compare and contrast the features of healthcare systems, explain the legal and ethical ramifications of the healthcare setting, and begin to perform foundational healthcare skills. This course will serve as a strong foundation for all of the Health Science programs of study.	

Medical Therapeutics / Diagnostics	
Course Code: 8810 & 8830	1 Credit
Prerequisite: Health Science Education	Year(s) Offered: 10, 11, 12
Course Description: Medical Therapeutics is an applied course designed to prepare students to pursue careers in therapeutic and nursing services. Upon completion of this course, a proficient student will be able to identify careers in therapeutics services; assess, monitor, evaluate, and report patient/client health status; and identify the purpose and components of treatments. Diagnostic Medicine is a second level course designed to prepare students to pursue careers in the fields of radiology, medical laboratory, optometry, and other patient diagnostic procedures. Upon completion of this course, proficient students will be able to describe new and evolving diagnostic technologies, compare and contrast the features of healthcare systems, explain the legal and ethical ramifications of the healthcare setting, and begin to perform foundational healthcare skills. In addition, students will continue to add artifacts to a portfolio, which they will continue to build throughout the program of study.	

Anatomy & Physiology

Course Code: 8840

1 Credit

Prerequisite: Health Science Education

Year(s) Offered: 11, 12

Course Description:

Anatomy and Physiology is an upper level course designed to develop an understanding of the structures and functions of the human body, while relating those to knowledge and skills associated with pathophysiology. Upon completion of this course, proficient students will be able to (1) apply the gross anatomy from earlier courses to a deeper understanding of all body systems, (2) identify the organs and structures of the support and movement systems, (3) relate the structure and function of the communication, control, and integration system, and (4) demonstrate a professional, working understanding of the transportation, respiration, excretory, and reproduction systems.

Nursing Education / Work Based Learning

Course Code: 8855

2 Credits

Prerequisite: Application

Year(s) Offered: 11, 12

Course Description:

Nursing Education is a capstone course designed to prepare students to pursue careers in the field of nursing. Upon completion of this course, a proficient student will be able to implement communication and interpersonal skills, maintain residents' rights and independence, provide care safely, prevent emergency situations, prevent infection through infection control, and perform the skills required of a nursing assistant. At the conclusion of this course, if students have logged 40 hours of classroom instruction and 20 hours of classroom clinical instruction, and if they have completed 40 hours of site-based clinical with at least 24 of those hours spent in a long-term care facility, then they are eligible to take the certification examination as a Certified Nursing Assistant (CNA).

Prior to beginning work at a clinical site, students must be certified in Basic Life Support (BLS) Cardiopulmonary Resuscitation (CPR), and deemed competent in basic first aid, body mechanics, Standard Precaution guidelines, and confidentiality.

Note: In order for students to qualify for the nursing assistant certification examination, the training program must be approved at least 30 days before the first day of class by the Tennessee Department of Health Nurse Aide Training program staff.

Clinical Internship

Course Code: 8860

1 Credit

Prerequisite: Application

Year(s) Offered: 12

Course Description:

A variety of medical certifications will be offered. More information to come.

Human Services

Intro to Human Studies	
Course Code: 8555	1 Credit
Prerequisite:	Year(s) Offered: 9, 10, 11, 12
Course Description: Human Studies is a foundational course for students interested in becoming a public advocate, social worker, dietician, nutritionist, counselor, or community volunteer. Upon completion of this course, a proficient student will have an understanding of human needs, overview of social services, career investigation, mental health, and communication. Artifacts will be created for inclusion in a portfolio, which will continue to build throughout the program of study.	

Lifespan Development	
Course Code:	1 Credit
Prerequisite: Intro to Human Studies	Year(s) Offered: 10, 11
Course Description: Lifespan Development builds basic knowledge in human growth and development. Upon completion of the course, proficient students will have knowledge of developmental theory, principles of growth, behavior of children from conception through adolescence, adult development and aging, and death and dying. Artifacts will be created for inclusion in a portfolio, which will continue to build throughout the program of study.	

Family Studies	
Course Code:	1 Credit
Prerequisite: Lifespan Development	Year(s) Offered: 11, 12
Course Description: Family Studies is an applied knowledge course that examines the diversity and evolving structure of the modern family. Upon completion of the course, proficient students will have knowledge of the demographic, historical, and social changes of interpersonal relationships, as well as parenting, and the effect of stressors on the family. Artifacts will be created for inclusion in a portfolio, which will continue to build throughout the program of study.	

Nutrition Across the Lifespan	
Course Code: 8520	1 Credit
Prerequisite: Intro to Human Studies	Year(s) Offered: 10, 11
<p>Course Description: Nutrition Across the Lifespan is for students interested in learning more about becoming a dietitian, nutritionist, counselor, or pursuing a variety of scientific, health, or culinary arts professions. Upon completion of this course, proficient students will understand human anatomy and physiological systems, nutrition requirements, as well as social, cultural, and other impacts on food preparation and integrity. Artifacts will be created for inclusion in a portfolio, which will continue to build throughout the program of study.</p>	

Nutrition Science & Diet Therapy	
Course Code:	1 Credit
Prerequisite: Nutrition Across the Lifespan	Year(s) Offered: 11, 12
<p>Course Description: Nutrition Science and Diet Therapy is an applied knowledge course in nutrition for students interested in the role of nutrition in health and disease. Upon completion of this course, proficient students will be able to develop a nutrition care plan as part of the overall health care process, use methods for analyzing the nutritional health of a community, and understand the relationship of diet and nutrition to specific diseases. The course emphasizes the role of diet as a contributor to disease and its role in the prevention and treatment of disease. Artifacts will be created for inclusion in a portfolio, which will continue to build throughout the program of study.</p>	

Language Arts

English 1	
Course Code: 1120	1 Credit
Prerequisite:	Year(s) Offered: 9
Course Description: During this course, students are expected to demonstrate mastery skills by writing in complete sentences with coherent paragraphs using correct form, proper/standard grammar, mechanics, spelling, and sentence variety. Students are also expected to read and comprehend work appropriate to their grade level in order to avoid repetitive frustration over the same literary works in high school. Students should be proficient in the use of basic reference tools, be conversant with basic research procedures, and demonstrate mastery in writing a basic five paragraph essay. END OF COURSE EXAM REQUIRED.	

Advanced English 1	
Course Code: 1130	1 Credit
Prerequisite:	Year(s) Offered: 9
Course Description: Advanced English I provides an upper-level academic atmosphere that expands students' reading and writing experiences, building a foundation for their high school and post-secondary academic careers. The course will allow students to improve their reading, writing, and communication skills through various effective strategies found in the common instructional framework including classroom talk, collaborative group work, writing to learn, questioning, and scaffolding. Students will encounter various genres of literature and several styles of writing, with a particular emphasis placed on nonfiction texts as well as evidence based writing. Students will also be encouraged and expected to integrate technology into several project based learning assignments in order to practice solving real world problems. These projects and the course as a whole will allow students to showcase their communication and critical thinking skills. Honor students will read independent novels in addition to the text taught in the classroom. They will achieve a high level of proficiency for academic writing in a MLA format, grammar and vocabulary. The difference between the honors class and the regular is the amount of time that we spend on each assignment, the level of depth to each assignment, the academic expectations that are set at a higher level, and the general fast pace and immersive atmosphere. END OF COURSE EXAM REQUIRED	

English 2	
Course Code: 1220	1 Credit
Prerequisite: English 1	Year(s) Offered: 10
Course Description: English 2 is a year-long literature survey class. The class covers literary terminology, vocabulary building, test-taking strategies, and all aspects of literature. Requirements are the successful completion of English 1. END OF COURSE EXAM REQUIRED	

Advanced English 2	
Course Code: 1230	1 Credit
Prerequisite:	Year(s) Offered: 10
<p>Course Description: Advanced English 2 is a year-long course designed to develop advanced language, literature, and analysis skills. Requirements for admittance is "at expectations" or "above expectations" on the TN Ready (EOC) test for English 1. END OF COURSE EXAM REQUIRED</p>	

English 3	
Course Code: 1320	1 Credit
Prerequisite: English I and II or their equivalents	Year(s) Offered: 11
<p>Course Description: English 3 is a comprehensive language course which focuses on reading skills, critically interpreting literature, writing, research, and presentation skills. The literature focus is the literary history of America and works from various periods will be discussed and interpreted. Preparation and practice for both the TN Ready EOC and the ACT will be completed as a matter of coursework. This is a required course.</p>	

Advanced English 3	
Course Code: 1330	1 Credit
Prerequisite: English I and II or their equivalents	Year(s) Offered: 11
<p>Course Description: Advanced English 3 is a comprehensive language course which focuses on reading skills, critically interpreting literature, writing, research, and presentation skills. The literature focus is the literary history of America and works from various periods will be discussed and interpreted. Preparation and practice for both the TN Ready EOC and the ACT will be completed as a matter of coursework. This is a required course.</p>	

English 4	
Course Code: 1420	1 Credit
Prerequisite: English I, II, and III or their equivalents	Year(s) Offered: 12
<p>Course Description: A comprehensive language course which focuses on reading skills, critically interpreting literature, writing, research, and presentation skills. The literature focus is the literary history of Great Britain and works from various periods will be discussed and interpreted. This is a required course.</p>	

Dual Enrollment English 4	
Course Code: 1480	1 Credit
Prerequisite: completion of English 1, 2, and 3 with a grade of B or higher; acceptance into Bethel	Year(s) Offered: 12
<p>Course Description: Dual enrollment students are enrolled in English 4 (senior English) and in English 101 through Bethel University. Dual enrollment English 4 is a study of British literature, beginning with the earliest English works, such as "The Seafarer" and "The Battle of Maldon" to more modern selections, such as George Orwell's "Shooting an Elephant" and Lucy Weir's writings on English culture and history. Students will read fiction and non-fiction texts in a variety of genres. Students will also write original stories, articles for the local newspaper, and essays. Students will employ the current MLA guidelines to write and present their own research on a topic related to the course theme. As this is an advanced English course, excellent attendance, efficient note-taking and organization skills, and active classroom participation are essential. At the completion of the school year, students will have earned college credit for two English courses through Bethel University.</p>	

Foreign Languages

Spanish I	
Course Code: 7100	1 Credit
Prerequisite:	Year(s) Offered: 10, 11, 12
Course Description: This course is an introduction to the culture, geography, and language of Spanish-speaking countries. This course emphasizes the four language skills (reading, writing, speaking, and listening) and focuses on an understanding of the basic Spanish grammar structure and oral communication.	

Spanish II	
Course Code: 7150	1 Credit
Prerequisite:	Year(s) Offered: 11, 12
Course Description: This course is a continuation of Spanish 1 with increased emphasis on listening comprehension, speaking, reading, and writing. There is an in-depth study of Spanish grammar and an emphasis on oral comprehension and composition. Varied learning activities promote communication skills and reinforce basic structures and vocabulary.	

Mathematics

Algebra 1	
Course Code: 2400	1 Credit
Prerequisite:	Year(s) Offered: 9
Course Description: Algebra I emphasizes linear and quadratic expressions, equations, and functions. This course also introduces students to polynomial, rational and exponential functions with domains in the integers. Students explore the structures of and interpret functions and other mathematical models. Students build upon previous knowledge of equations and inequalities to reason, solve, and represent equations and inequalities numerically and graphically. END OF COURSE EXAM REQUIRED	

Advanced Algebra 1	
Course Code: 2410	1 Credit
Prerequisite:	Year(s) Offered: 9
Course Description: Advanced Algebra I uses the same standards as Algebra I. The standards are taught more in depth and at a faster pace. Advanced Algebra I emphasizes linear and quadratic expressions, equations, and functions. This course also introduces students to polynomial, rational and exponential functions with domains in the integers. Students explore the structures of and interpret functions and other mathematical models. Students build upon previous knowledge of equations and inequalities to reason, solve, and represent equations and inequalities numerically and graphically. END OF COURSE EXAM REQUIRED	

Geometry	
Course Code: 2500	1 Credit
Prerequisite:	Year(s) Offered: 10
Course Description: Geometry emphasizes similarity, right triangle trigonometry, congruence, and modeling geometry concepts in real life situations. Students build upon previous knowledge of similarity, congruence, and triangles to prove theorems and reason mathematically. This course also introduces students to geometric constructions and circles. Students show a progression of mastery and understanding of the use and application of surface area and volume. END OF COURSE EXAM REQUIRED	

Advanced Geometry	
Course Code: 2525	1 Credit
Prerequisite: Student must have taken and passed Algebra 1 AND must be recommended by their Algebra 1 teacher. TN Ready Algebra 1 scores may be used to determine student eligibility.	Year(s) Offered: 9
<p>Course Description: Geometry emphasizes similarity, right triangle trigonometry, congruence, and modeling geometry concepts in real life situations. Students build upon previous knowledge of similarity, congruence, and triangles to prove theorems and reason mathematically. This course also introduces students to geometric constructions and circles. Students show a progression of mastery and understanding of the use and application of surface area and volume. END OF COURSE EXAM REQUIRED</p>	

Advanced Algebra 2	
Course Code: 2625	1 Credit
Prerequisite: Student must have taken and passed Algebra 1 AND must be recommended by their Algebra 1 teacher. TN Ready Algebra 1 scores may be used to determine student eligibility.	Year(s) Offered: 9
<p>Course Description: Advanced Algebra II emphasizes polynomial, rational and exponential expressions, equations, and functions. This course also introduces students to the complex number system, basic trigonometric functions, and foundational statistics skills such as interpretation of data and making statistical inferences. Students build upon previous knowledge of equations and inequalities to reason, solve, and represent equations and inequalities numerically and graphically. END OF COURSE EXAM REQUIRED</p>	

Algebra 2	
Course Code: 2600	1 Credit
Prerequisite: Algebra 1 and Geometry	Year(s) Offered: 11
<p>Course Description: Algebra II emphasizes polynomial, rational and exponential expressions, equations, and functions. This course also introduces students to the complex number system, basic trigonometric functions, and foundational statistics skills such as interpretation of data and making statistical inferences. Students build upon previous knowledge of equations and inequalities to reason, solve, and represent equations and inequalities numerically and graphically. END OF COURSE EXAM REQUIRED</p>	

SAILS Math Reasoning	
Course Code:	1 Credit
Prerequisite:	Year(s) Offered: 11, 12
<p>Course Description: Applications and modeling using mathematics are the primary foci of this course. Throughout the course, students explore mathematical content in the context of applications to the real-world. Topics will build upon previous knowledge requiring students to reason, solve, and represent mathematical concepts in multiple ways to encourage the use of math to answer problems students will encounter in life. This course is best intended for students who are planning to attend a College of Applied Technology, military service, or enter the workforce immediately following graduation.</p>	

Statistics/Dual Enrollment Statistics	
Course Code: 2750	1 Credit
Prerequisite: Math ACT sub-score of 19 or higher	Year(s) Offered: 11, 12
<p>Course Description: Statistics is designed to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The major themes in Statistics include: interpreting categorical and quantitative data, conditional probability and other rules of probability, using probability to make decisions, and making inferences and justifying conclusions. Statistics is offered as both a dual enrollment and non-dual enrollment course. Statistics is required for many college majors. Statistics involves reading and reasoning. You should also consider your reading ability when choosing this course.</p>	

Dual Enrollment College Algebra	
Course Code: 2800	1 Credit
Prerequisite: Math ACT sub-score of 22 or higher recommended	Year(s) Offered: 11, 12
<p>Course Description: AAT(Recognized at the state level as College Algebra) is designed for students with a Math ACT sub-score of 22 or higher. It can be taken for Dual Enrollment or non Dual Enrollment. College Algebra is designed to prepare students for Calculus or complete the single College Algebra credit that might be required at a University. College Algebra focuses on solving multiple types of equations, and graphing multiple types of functions. In our College Algebra course, after we have covered the required standards for the cooperating college, we focus on trigonometry. We focus on the Trig because for some students, a trig class will be required next in college and we are trying to prepare the student for college. Trig is also useful for students preparing for Calculus.</p>	

Calculus / Dual Enrollment Calculus	
Course Code: 2900	1 Credit
Prerequisite: It is recommended that students either have a Math ACT sub score of 26 or take PreCal or College Algebra before taking this course.	Year(s) Offered: 12
<p>Course Description: Calculus is designed for students interested in STEM-based careers and builds on the concepts studied in precalculus. The study of calculus on the high school level includes a study of limits, derivatives, and an introduction to integrals.</p>	

Mechatronics

Principles of Engineering & Technology	
Course Code: 5920	1 Credit
Prerequisite:	Year(s) Offered: 9
Course Description: This is a foundational course in the STEM cluster for students interested in learning more about careers in engineering and technology. This course covers basic skills required for engineering and technology fields of study. Upon completion of this course, proficient students are able to identify and explain the steps in the engineering design process. They can evaluate an existing engineering design, use fundamental sketching and engineering drawing techniques, complete simple design projects using the engineering design process, and effectively communicate design solutions to others.	

Digital Electronics	
Course Code: 5925	1 Credit
Prerequisite: Algebra 1	Year(s) Offered: 10, 11
Course Description: Digital Electronics is intended to provide students with an introduction to the basic components of digital electronic systems and equip them with the ability to use these components to design more complex digital systems. The students will also be introduced to using a 3D printer and designing different items with online software. The course introduces the basic vocabulary involved with electronic components. Converting numbers from different number systems is a major part of the coding aspect in the beginning of this course.	

Mechatronics I	
Course Code: 5930	1 Credit
Prerequisite: Digital Electronics, Algebra 1, Geometry, Physical Science	Year(s) Offered: 11, 12
<p>Course Description:</p> <p>Mechatronics I is an applied course in the manufacturing cluster for students interested in learning more about careers as a mechatronics technician, maintenance technician, electromechanical technician, and manufacturing engineer. This first of two courses covers basic electrical and mechanical components of mechatronics systems as well as their combined uses with instrument controls and embedded software designs. Upon completion of this course, proficient students are able to describe and explain basic functions of physical properties and electrical components within a mechatronic system. They can logically trace the flow of energy through a mechatronic system and can communicate this process to others. They know how to effectively use technical documentation such as data sheets, schematics, timing diagrams, and system specifications to troubleshoot basic problems with equipment. Finally, they develop strategies to identify, localize, and correct malfunctioning components and equipment.</p>	

Robotics	
Course Code: 5940	1 Credit
Prerequisite: Mechatronics 1	Year(s) Offered: 11, 12
<p>Course Description:</p> <p>Robotics & Automated Systems is an applied course for students who wish to explore how robots and automated systems are used in industry. Upon completion of this course, proficient students will have an understanding of the historical and current uses of robots and automated systems; programmable circuits, interfacing both inputs and outputs; ethical standards for engineering and technology professions; and testing and maintenance of robots and automated systems.</p>	

Mechatronics II	
Course Code: 5935	1 Credit
Prerequisite: Mechatronics I and Physics	Year(s) Offered: 12
<p>Course Description:</p> <p>Mechatronics II is an advanced course in the manufacturing career cluster for students interested in learning more about such careers as mechatronics technician, maintenance technician, or electromechanical technician. Following the groundwork of mechanics and electronics laid in Mechatronics I, this course covers basics of pneumatic, electro pneumatic, and hydraulic control circuits in a complex mechatronic system. In addition, the course addresses basic digital logic and Page 2 programmable logic controllers (PLCs) employed in the mechanical, electronic, and control systems in a mechatronics system. Upon completion of this course, proficient students are able to explain the inter-relationships of components and modules within a complex mechatronic system. They understand the differences between hydraulic and pneumatic fluid power and can explain the scientific principles that apply. They also use technical documentation (such as datasheets, circuit diagrams, displacement step diagrams, timing diagrams, and function charts) to troubleshoot and resolve malfunctioning pneumatic and hydraulic components and circuits. They demonstrate understanding of the role of programmable logic controllers (PLC) in mechatronic systems and the ability to write, debug, and run basic ladder logic.</p>	

School Day Athletics

Freshmen Girls Basketball	
Course Code: 5100	1 Credit
Prerequisite:	Year(s) Offered: 9
Course Description: This course is designed for individuals interested in learning the organization, strategy, and fundamentals of playing girls basketball. You must have prior approval of the coach to be enrolled in this class.	

Sophomore Girls Basketball	
Course Code: 5101	1 Credit
Prerequisite:	Year(s) Offered: 10
Course Description: This course is designed for individuals interested in learning the organization, strategy, and fundamentals of playing girls basketball. You must have prior approval of the coach to be enrolled in this class.	

Junior Girls Basketball	
Course Code: 5102	1 Credit
Prerequisite:	Year(s) Offered: 11
Course Description: This course is designed for individuals interested in learning the organization, strategy, and fundamentals of playing girls basketball. You must have prior approval of the coach to be enrolled in this class.	

Senior Girls Basketball	
Course Code: 5103	1 Credit
Prerequisite:	Year(s) Offered: 12
Course Description: This course is designed for individuals interested in learning the organization, strategy, and fundamentals of playing girls basketball. You must have prior approval of the coach to be enrolled in this class.	

Freshmen Boys Basketball	
Course Code: 5200	1 Credit
Prerequisite:	Year(s) Offered: 9
<p>Course Description: This course is designed for individuals interested in learning the organization, strategy, and fundamentals of playing boys basketball. You must have prior approval of the coach to be enrolled in this class.</p>	

Sophomore Boys Basketball	
Course Code: 5201	1 Credit
Prerequisite:	Year(s) Offered: 10
<p>Course Description: This course is designed for individuals interested in learning the organization, strategy, and fundamentals of playing boys basketball. You must have prior approval of the coach to be enrolled in this class.</p>	

Junior Boys Basketball	
Course Code: 5202	1 Credit
Prerequisite:	Year(s) Offered: 11
<p>Course Description: This course is designed for individuals interested in learning the organization, strategy, and fundamentals of playing boys basketball. You must have prior approval of the coach to be enrolled in this class.</p>	

Senior Boys Basketball	
Course Code: 5203	1 Credit
Prerequisite:	Year(s) Offered: 12
<p>Course Description: This course is designed for individuals interested in learning the organization, strategy, and fundamentals of playing boys basketball. You must have prior approval of the coach to be enrolled in this class.</p>	

Freshmen Boys Football	
Course Code: 5250	1 Credit
Prerequisite:	Year(s) Offered: 9
<p>Course Description: This course is designed for individuals interested in learning the organization, strategy, and fundamentals of playing football. You must have prior approval of the coach to be enrolled in this class.</p>	

Sophomore Boys Football	
Course Code: 5251	1 Credit
Prerequisite:	Year(s) Offered: 10
<p>Course Description: This course is designed for individuals interested in learning the organization, strategy, and fundamentals of playing football. You must have prior approval of the coach to be enrolled in this class.</p>	

Junior Boys Football	
Course Code: 5252	1 Credit
Prerequisite:	Year(s) Offered: 11
<p>Course Description: This course is designed for individuals interested in learning the organization, strategy, and fundamentals of playing football. You must have prior approval of the coach to be enrolled in this class.</p>	

Senior Boys Football	
Course Code: 5253	1 Credit
Prerequisite:	Year(s) Offered: 12
<p>Course Description: This course is designed for individuals interested in learning the organization, strategy, and fundamentals of playing football. You must have prior approval of the coach to be enrolled in this class.</p>	

Baseball	
Course Code: 5400	1/2 Credit
Prerequisite:	Year(s) Offered: 9, 10, 11, 12
<p>Course Description: This course is designed for individuals interested in learning the organization, strategy, and fundamentals of playing baseball. You must have prior approval of the coach to be enrolled in this class.</p>	

Science

Physical Science	
Course Code: 3300	1 Credit
Prerequisite:	Year(s) Offered: 9
Course Description: Physical science is a laboratory science course that explores the relationship between matter and energy. Students investigate physical science concepts through an inquiry-based approach. Embedded standards for inquiry, technology and engineering, and mathematics are taught in the context of the content standards for energy, matter, motion, and forces.	

Advanced Physical Science	
Course Code: 3335	1 Credit
Prerequisite:	Year(s) Offered: 9
Course Description: Physical science is a laboratory science course that explores the relationship between matter and energy. Students investigate physical science concepts through an inquiry-based approach. Embedded standards for inquiry, technology and engineering, and mathematics are taught in the context of the content standards for energy, matter, motion, and forces. Material is introduced at a higher level and at a quicker pace.	

Biology 1	
Course Code: 3300	1 Credit
Prerequisite:	Year(s) Offered: 10, 11
Course Description: This Biology course is focused on the development of academic skills and content knowledge necessary for students with both college and career interest. This course concentrates on the core areas of molecular and organismal structure and process, ecosystem dynamics, heredity/genetics, and biological change, unity, and diversity. Course content is designed to make concept connections across a variety of biological interactions, forms, and systems. Students are required to take the State Department of Education's End of Course Test, which will count up to 25% of the student's second semester grade. END OF COURSE EXAM REQUIRED	

Advanced Biology 1	
Course Code: 3325	1 Credit
Prerequisite:	Year(s) Offered: 10, 11
<p>Course Description: This is a Pre-AP Biology 1 course, and this course will focus deeply on the concepts and skills that have maximum value for college and career. This course concentrates on the core areas of ecological systems, cellular systems, evolution, and genetics. Rather than understanding content topics in isolation, students will make meaningful connections between the structures, processes, and interactions that exist across biological systems—from cells to ecological communities.</p> <p>In Biology, students will:</p> <ul style="list-style-type: none"> · Be active participants in analyzing real-world phenomena. · Apply science practices to construct and revise their knowledge. · Regularly collaborate with their peers in dialogue, investigations, and problem solving. <p>The pace of the Biology 1 Advanced section(s) is faster and students will be required to complete independent projects and research. Students are required to take the State Department of Education’s End of Course Test, which will count up to 25% of the student’s second semester grade. END OF COURSE EXAM REQUIRED</p>	

Chemistry 1	
Course Code: 3600	1 Credit
Prerequisite: Physical Science or Biology 1, Algebra 1	Year(s) Offered: 11, 12
<p>Course Description: Chemistry is the study of the components of matter and how these components behave and interact with one another. The course will include lectures, daily assignments, and laboratory experiments. The periodic chart of elements will be studied and analyzed throughout the class to increase understanding of the various components of matter and energy. Topics covered will include: history of the periodic table, elements, compounds, reactions, stoichiometry, gas laws, and nuclear chemistry. Students will be expected to work simple mathematical computations.</p>	

Advanced Chemistry 1	
Course Code: 3650	1 Credit
Prerequisite: Physical Science or Biology 1, Algebra 1	Year(s) Offered: 11, 12
<p>Course Description:</p> <p>This course is a foundational chemistry course for Chemistry 2 or AP Chemistry. This will include lectures, daily assignments, and laboratory experiments but is more in depth than Chemistry 1. Topics covered will include: history of the periodic table, elements, molecules, ions, compounds, chemical reactions, stoichiometry, gas laws, nuclear chemistry, thermochemistry, quantum theory, electron configurations and periodicity, ionic and covalent bonding, gases (real), molecular geometry, states of matter, solutions, acids and bases. Laboratory experiments are included and are related to the material being discussed at the time in the class. Students should have a good understanding of the fundamentals of algebra to be successful in this class.</p>	

Advanced Physics	
Course Code: 3900	1 Credit
Prerequisite: Algebra I and Geometry	Year(s) Offered: 11, 12
<p>Course Description:</p> <p>Physics is the study of the physical world with an emphasis on the relationship between matter and energy. This course is a survey designed to prepare students for further study at the college level and is also beneficial for those students who are interested in careers in technology, engineering, medicine, elementary education, or other related fields. Inquiry-based laboratory experiences and hands-on projects are major components of the class. Topics covered in this course are Newtonian mechanics, fluid mechanics, thermal physics, electricity and magnetism, magnetic fields, waves, optics, and atomic and nuclear physics.</p>	

AP Chemistry	
Course Code:3725	1 Credit
Prerequisite: We recommend advanced chem 1 with an A average	Year(s) Offered: 11, 12
<p>Course Description:</p> <p>A course intended to be the equivalent of the college freshman chemistry course. It is a very demanding course with topics and labs completed on a college level. The course is based on six Big Ideas that build upon knowledge acquired in previous Chemistry course(s). The laboratory work is extensive and intended to be equivalent to the lab component of a freshman university chemistry course. Students must have completed one Chemistry course that includes a lab program. Students can take the national Advanced Placement Chemistry Examination near the end of the spring semester; those scoring high enough may receive college credit. For more information about Advanced Placement Chemistry, including the current exam fee, please visit www.collegeboard.com or www.apcentral.com.</p>	

DE Biology	
Course Code: 3800	1 Credit
Prerequisite: Biology, Chemistry	Year(s) Offered: 12
<p>Course Description: DE Biology is an introductory college-level biology course equivalent to two-semesters of college introductory biology. Students cultivate their understanding of biology as an integrated view of life with emphasis on four core areas: cells, genes, evolution, and ecology</p>	

Social Studies

World History	
Course Code: 4200	1 Credit
Prerequisite:	Year(s) Offered: 9, 10
Course Description: Students will study the rise of the nation state in Europe, the French Revolution, and the economic and political roots of the modern world. They will examine the origins and consequences of the Industrial Revolution, nineteenth century political reform in Western Europe, and imperialism in Africa, Asia, and South America. They will explain the causes and consequences of the great military and economic events of the past century, including the World Wars, the Great Depression, the Cold War, and the Russian and Chinese Revolutions. Finally, students will study the rise of nationalism and the continuing persistence of political, ethnic, and religious conflict in many parts of the world. Relevant Tennessee connections will be part of the curriculum, as well as appropriate primary source documents. Students will explore geographic influences on history, with attention given to political boundaries that developed with the evolution of nations from 1750 to the present and the subsequent human geographic issues that dominate the global community. Additionally, students will study aspects of technical geography such as GPS and GIS, and how these innovations continuously impact geopolitics in the contemporary world.	

AP Human Geography	
Course Code: 4125	1 Credit
Prerequisite:	Year(s) Offered: 9
Course Description: The AP Human Geography course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. The curriculum reflects the goals of the National Geography Standards (2012).	

U.S. History SDC	
Course Code: 4300	1 Credit
Prerequisite:	Year(s) Offered: 11
<p>Course Description: Students will examine the causes and consequences of the Industrial Revolution and America's growing role in world diplomatic relations, including the Spanish American War and World War I. Students will study the goals and accomplishments of the Progressive movement and the New Deal. Students will also learn about the various factors that led to America's entry into World War II, as well as its consequences for American life. Students will explore the causes and course of the Cold War. Students will study the important social, cultural, economic, and political changes resulting from the Civil Rights Movement, the Cold War, and recent events and trends that have shaped modern-day America. Additionally, students will learn the causes and consequences of contemporary issues impacting their world today. Students will continue to use skills for historical and geographical analysis as they examine American history since Reconstruction with special attention to Tennessee connections in history, geography, politics, and people. Students will continue to learn fundamental concepts in civics, economics, and geography within the context of United States history. The reading of primary source documents is a key feature of United States history standards. Finally, students will focus on current human and physical geographic issues important in contemporary America and the global society.</p> <p>STATE DUAL CREDIT EXAM REQUIRED</p>	

AP U.S. History	
Course Code: 4415	1 Credit
Prerequisite:	Year(s) Offered: 11, 12
<p>Course Description: AP United States History will:</p> <ul style="list-style-type: none"> • Provide you with the reasoning skills and enduring understandings necessary to deal critically with the main issues and documents of U.S. history • Prepare you for intermediate and advanced college courses by making demands upon you equivalent to those made by full-year introductory college courses • Enable you to assess historical sources — their relevance to a given interpretive problem, their reliability, and their importance — and to weigh the evidence and interpretations of the past presented in historical scholarship • Develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in an essay format • Train you to analyze and interpret primary sources, including documentary materials, maps, statistical tables, and pictorial and graphic evidence of historical events • Teach you to take notes from both printed materials and lectures or discussions, to write essay examinations, and to write analytical and research papers • Enable you to express yourself with clarity and precision and know how to cite sources and credit the phrases and ideas of others 	

Economics	
Course Code: 4500	½ Credit
Prerequisite:	Year(s) Offered: 12
<p>Course Description: Students will examine the allocation of scarce resources and the economic reasoning used by government agencies and by people as consumers, producers, savers, investors, workers, and voters. Key elements of the course include the study of scarcity, supply and demand, market structures, the role of government, national income determination, money and the role of financial institutions, economic stabilization, and trade. Students will examine the key economic philosophies and economists who have influenced the economies around the world in the past and present. Informational text and primary sources will play an instrumental part of the study of economics where it is appropriate.</p>	

Government	
Course Code: 4600	½ Credit
Prerequisite:	Year(s) Offered: 12
<p>Course Description: Students will study the purposes, principles, and practices of American government as established by the Constitution. Students are expected to understand their rights and responsibilities as citizens and how to exercise these rights and responsibilities in local, state, and national government. Students will learn the structure and processes of the government of the state of Tennessee and various local governments. The reading of primary source documents is a key feature of United States Government and Civics standards.</p>	

Personal Finance	
Course Code: 4800	½ Credit
Prerequisite:	Year(s) Offered: 12
<p>Course Description: Personal Finance is a foundational course designed to inform students how individual choices directly influence occupational goals, future earning potential, and long term financial well-being. They standards in this course cover decision-making skills related to goal setting, earning potential, budgeting, saving, borrowing, managing risk, and investing. The course helps students meet the growing complexities of personal financial management and consumer decision making. Upon completion of this course, proficient students will understand how their decisions will impact their future financial well-being.</p>	

Student Instructional Aides

Student Office Aide	
Course Code: 1010	0 Credits
Prerequisite:	Year(s) Offered: 11, 12
Course Description: Placement must be approved by secretary and counselor.	

Student Library Aide	
Course Code: 1020	0 Credits
Prerequisite:	Year(s) Offered: 11, 12
Course Description: Placement must be approved by librarian and counselor.	

Student Guidance Aide	
Course Code: 1030	0 Credits
Prerequisite:	Year(s) Offered: 11, 12
Course Description: Placement must be approved by counselor.	

Student Instructional Aide	
Course Code: 1040	0 Credits
Prerequisite:	Year(s) Offered: 11, 12
Course Description: Placement must be approved by teacher and counselor.	

Welding

Principles of Manufacturing	
Course Code: 9580	1 Credit
Prerequisite:	Year(s) Offered: 9, 10, 11, 12
Course Description: Principles of Manufacturing is mainly focused towards basic Welding applications, but is designed to provide students with exposure to various occupations and pathways in the Advanced Manufacturing career cluster, such as Machining Technology, Electromechanical Technology, and Mechatronics. Throughout the course, students will develop an understanding of the general steps involved in the manufacturing process and master the essential skills in a manufacturing production setting. Course content covers basic quality principles and processes, blueprints and schematics, and systems. Upon completion of this course, proficient students will have the ability to advance from this course to Welding 1 with an understanding of how manufacturing combines design and engineering, materials science, process technology, and quality.	

Welding 1	
Course Code: 9585	2 Credit
Prerequisite: Principles of Manufacturing	Year(s) Offered: 10, 11, 12
Course Description: Welding 1 is designed to provide students with the skills and knowledge to effectively perform most cutting and welding applications used in them basic manufacturing industry. Students will develop proficiency in fundamental safety practices in welding, interpreting drawings, efficiently laying out parts for fabrication, mechanical and thermal properties of metals, and quality control. Upon completion of this course, proficient students will understand the requirements to pursue more advanced welding coursework. Once proficiency is displayed, students are allowed to work on personal or school related welding projects.	

Welding 2 – Dual Enrollment	
Course Code: 9595	2 Credit
Prerequisite: Welding 1	Year(s) Offered: 11, 12
Course Description: Welding II is designed to provide students with opportunities to effectively perform cutting and welding applications of increasingly complexity used in the advanced manufacturing industry. Students will build on the knowledge and skills of the Welding I course and apply them in applicable environments, while learning additional welding techniques not covered in previous courses. Upon completion of the Welding II course, proficient students will be eligible to complete the American Welding Society (AWS) Entry Welder qualification and certification.	

Wellness and Physical Education

Wellness	
Course Code: 5000	1 Credit
Prerequisite:	Year(s) Offered: 9
Course Description: The content of the course includes seven standards: Disease Prevention and Control, Nutrition, Substance Use and Abuse, Mental/Emotional/Social Health, Sexuality and Family Life, Safety and First Aid and Personal Fitness. Each content area is addressed in a classroom and/or physical activity setting. Personal fitness and nutrition should be emphasized and integrated throughout the course. Students are provided opportunities to explore how content areas are interrelated. Students acquire knowledge and skills necessary to make informed decisions regarding their health and well-being throughout their lifetime.	

Physical Education	
Course Code: 5007	½ Credit
Prerequisite:	Year(s) Offered: 9, 10
Course Description: Students will study a variety of motor skills and abilities related to lifetime leisure skills and develop an improved understanding of the importance of maintaining a healthy lifestyle and an appreciation of movement and the human body. Students participating in a school sport, cheerleading and band can substitute those activities for this requirement.	

Work Based Learning

Work-Based Learning	
Course Code: 9740	Up to 2 Credits
Prerequisite: Application	Year(s) Offered: 12
Course Description: Work-Based Learning: Career Practicum is a capstone course intended to provide students with opportunities to apply the skills and knowledge learned in previous CTE and general education courses within a professional work environment. The course allows students to earn high school credit for select models of work-based learning, which allow students to interact with industry professionals in order to extend and deepen classroom work and support the development of postsecondary and career readiness knowledge and skills.	

Due to student needs, state requirements, and scheduling conflicts, the school counselors and administration have reserved the right to have flexibility in placing students in certain courses in order to fulfill all graduation requirements as stated by the State of Tennessee Department of Education.

NOTES

Move On When Ready

Beginning with the 2012-2013 school year, a public school student may complete an early high school graduation program and be eligible for unconditional entry into a public two-year institution of higher education or conditional entry into a public four-year institution of higher education, if the student meets the requirements of this section.

Each student desiring to complete an early graduation program shall indicate to the high school principal the student's intent prior to the beginning of grade nine (9) or as soon thereafter as the intent is known. The intent shall be indicated on a form provided by the department of education and signed by the parent.

In order to meet the Move on When Ready Act criteria, an eligible student must fulfill each of the following requirements:

1. Earn 18 credits
 - a. English I, II, III, and IV
 - b. Algebra I and II*
 - c. Geometry*
 - d. United States History
 - e. Two (2) courses in the same foreign language
 - f. One (1) course selected from the following:
 - i. Economics
 - ii. Government
 - iii. World Civilizations
 - iv. World Geography
 - g. One (1) course selected from the following:
 - i. History and appreciation of visual and performing arts
 - ii. A standards-based arts course, which may include studio art, band, chorus, dance, or other performing art
 - h. Health and Physical Education (Wellness)
 - i. Biology
 - j. Chemistry
2. Have a cumulative GPA of at least a 3.2 on the Uniform Grading System four (4) point scale;
3. Score at the On-Track or Mastered level on each end-of-course assessment taken (excluding end-of-course assessments taken during the student's final semester prior to early graduation)
4. Meets benchmark scores of twenty-one (21) or higher on the ACT or an equivalent score on the SAT;
5. Achieve a passing score on a nationally recognized language proficiency assessment;
6. Complete two (2) early postsecondary courses.

*Integrated Math I, II, and III may fulfill the Algebra I, Algebra II, and Geometry requirements in districts that offer the Integrated Math sequence.

The complete requirements can be found on the State Board of Education's website at <https://www.tn.gov/sbe/rules--policies-and-guidance/policies.html>.

Important Phone Numbers

Obion County Schools Board of Education 731.885.9743

Mr. George Leake, Secondary Supervisor (ext 2022)

Obion County Central High School 731.536.4688

Mr. Corry Essary, Principal (ext 3520)

Mrs. Brenna Ray, Assistant Principal (ext 3521)

Mr. Chris Lownsdale, Assistant Principal and Athletic Director (ext 3522)

Mrs. Merany Gantt, Administration Assistant (ext 3510)

Obion County Central High School FAX 731.536.0469

Obion County Central High School Counseling Department 731.536.4688

Mrs. Heather Kendall, Senior and Freshman Counselor (ext 3536) hkendall@ocboe.com

Mrs. Melanie Mitchell, Junior and Sophomore Counselor (ext 3537) mmitchell@ocboe.com

Mrs. Audrea Rudd, Attendance and Guidance Secretary (ext 3535)

Counseling Department Fax..... 731.536.0141

It is the policy of the Board that no person in this district shall, on the basis of race, color, disability, creed, religion, sex, age or national origin be denied the benefits of, or be subject to discrimination in, any education program or activity. This includes employment, retention, and promotion. The Board complies fully with providing for equal access to the Boy Scouts and other designated youth groups as prescribed by law.

Any person having inquiries concerning Obion County School District's compliance with the regulations implementing Title VI, The American Disability Act (ADA) or Section 504 is directed to contact: Dr. Greg Barclay, Special Education Coordinator of Obion County Schools, 1700 N. Fifth Street, Union City, TN, 38261 731.885.9743.

Any person having inquiries concerning Obion County School District's compliance with the regulations implementing Title IX is directed to contact:

Notes
