



**OHIO COUNTY HIGH
SCHOOL
COURSE GUIDE
2016-2017**

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Books are purchased and teachers are hired based on the number of students registering for any particular class. Classes are assigned based on the number of students requesting a particular class. Based on these requests, or lack of requests, a class may be dropped from the curriculum and/or new classes added based on new teacher certification. This course guide is not meant to be exhaustive listing, but a listing of current offering based on current staffing and teacher certification. Please choose your classes wisely including all alternates.

OHIO COUNTY HIGH SCHOOL

*1400 SOUTH MAIN
HARTFORD, KENTUCKY 42347
TELEPHONE 270-274-3366
FAX 270-274-9482*



*Gregory Decker, Principal
Angela Alexander, Asst. Principal
Robert Asberry, Asst. Principal
Jennifer Phelps, Guidance Counselor
Brooke Wise, Guidance Counselor
Lora Brumley, Curriculum Coordinator*

Dear Students and Parents,

As principal of Ohio County High School, I feel that it is imperative we continually attempt to offer a challenging curriculum and a variety of courses for our students. The demands of higher education, advances in technology, and an ever-changing job market summon the need for many new skills from our young people. This has been our focus as we constructed this course guide.

Ohio County High School strives to offer a number of exciting courses that focus on educational skills, while challenging each student's potential for growth. With the commitment of the OCHS faculty/staff and administration, combined with the support of parents and/or guardians, all that is left is the determination from our students to succeed in everything they set out to be involved with at Ohio County High School.

As students, you have the avenues to accomplish great things during your high school years. You have the encouragement and help of faculty/staff, administration, parents and community members. We have also attempted to supply the necessary facilities and courses to help reach your goals, but you must remember that you and you alone must make the effort and remain focused on your goals and future endeavors.

We believe the Number One priority for Ohio County High School should be to concentrate on the academic achievement of our students. With this in mind, we feel the courses offered in this guide supply the necessary direction for all our students to reach the level of proficiency that will bring them future success. We all look forward to an exciting 2016-2017 school year at Ohio County High School and hope that our students focus on courses and areas of studies that will allow them to accomplish their dreams and goals.

Sincerely,

Gregory Decker
Principal

INSTRUCTIONS FOR COMPLETING THE REGISTRATION FORM

After reading the course registration guide, students should plan their program of study. All students must register for 7 credits of classes and 4 alternates.

It will be necessary to choose at least 4 alternates for registration. **NOTE: If it is not possible for you to be registered in the classes you have chosen as electives, you will be automatically enrolled in your chosen alternates. PLEASE CHOOSE WISELY. You will not be able to change into a class that was not in your requests.**

Recommendations for Accelerated or Advanced Placement courses in English, Math, Science and Social Studies will be completed by your teacher before you receive your request card.

Any core content failures will be addressed by the counseling office after final grades are posted. Re-scheduling of failures may cause your schedule to change. If this becomes necessary, a revised schedule will be available before school begins.

COURSE REQUEST SELECTION

Parents or guardians are asked to familiarize themselves as much as possible with the course offerings in the COURSE REGISTRATION GUIDE so that they can assist their child in choosing the appropriate courses to take. Every attempt will be made to fulfill student course requests; however, some requests cannot be fulfilled because two or more courses meet at the same time or a course has been dropped due to lack of sufficient enrollment requests.

Parents or guardian should help students choose carefully the courses they request because classes are scheduled based on the registration requests. The more accurate the student requests, the better master schedule can be built to allow students to get the classes they requested.

COURSE REQUEST CHANGES

An accurate registration process provides the foundation for a master schedule that best meets the needs of students. Students will have until the first day of classes to request changes in their class schedules. Students may not elect to change into a class that was not in their requests. No schedule changes should be necessary except in cases of conflict when school opens in August. Any necessary changes must be completed within the first four (4) days at the beginning of the school year.

No classes may be entered or dropped after that date without the approval of the teacher and the parent/guardian of the student and must be in the best interest of the student. If a student would like to drop a class and the teacher does not agree, there must be a meeting with the guidance counselor, teacher, parent, and student.

SCHEDULE CHANGES

A schedule built from carefully chosen student requests and alternates is **extremely accurate**. This eliminates the need for most schedule changes. The master schedule is built based upon all requests of all students. Often, schedule changes force the student to choose classes he/she may not want. It is our goal to produce schedules that best meet the needs of all students.

Graduation Requirements

Students shall complete an individual learning plan that incorporates emphasis on career development and shall be required to complete a minimum of twenty four (24) units.

GRADUATION REQUIREMENTS

Subjects	
English (4 credits as required by state bd of ed. English must be taken each year)	4 English 1,2,3,4
Math (4 credits as required by bd of ed. Math must be taken each year.)	4 Algebra1, Algebra 2, Geometry and one other math* *If Algebra 1 is taken in 8 th grade, students will take 2 other math classes after Algebra 2 and Geometry.
Social Studies (3 credits as required by state bd of ed to include competencies from Economics, Government, World Civilization, Geography and U.S. History)	3 SS 1- World History, Geo, (Comparative) SS 2- Early American History & Govt., SS 3 Contemporary American History
Science (3 credits as required by state bd of ed to include a life science, physical science and earth/space science. Science must be taken each of the first 3 years)	3 Integrated Science, Biology, and Environmental Geology + Chemistry for college bound students
Health	½
Physical Education	½
Humanities (required by the state bd of ed as History and Appreciation of the Visual and Performing Arts)	1
World Language	College bound students: 2 (two credits of the same non-native language)
Electives	<u>8-12</u>
Total Credits	<u>24-28</u>

***Starting with the graduating class of 2016, students must be college or career ready to graduate. (See pg 6)

*** Graduation Honors

Cum Laude With Honor

Pre College Curriculum + 3.5 or higher GPA + Met KY Benchmarks, 22 or higher ACT + 2 AP or Dual Credit Courses required

Magna Cum Laude With Great Honor

Pre College Curriculum + 3.8 or higher GPA + Met KY Benchmarks, 24 or higher ACT + 3 AP or Dual Credit Courses required

Summa Cum Laude With Highest Honor

Pre College Curriculum + 4.0 or higher GPA + Met KY Benchmarks, 26 or higher ACT + 4 AP or Dual Credit Courses required

*Pre College Curriculum: All graduation requirements plus Chemistry & 2 years of foreign language.

CURRICULUM AND INSTRUCTION

08.113

Graduation Requirements

In support of student development goals set out in [KRS 158.6451](#) and the Kentucky Academic Expectations, students shall complete an individual learning plan that focuses on career exploration and related postsecondary education and training needs and shall be required to complete a minimum of twenty four (24) units, including demonstrated performance-based competency in technology. All required courses shall include content contained in the [Kentucky Core Academic Standards](#), and electives shall address academic and career interest standards-based learning experiences, including four (4) credits in an academic or career interest based on the student's individual learning plan.

Students must meet additional requirements as established in [704 KAR 003:305](#), including a requirement to take at least one (1) language arts and one (1) mathematics class each year of high school in order to graduate. Students that do not meet the college readiness benchmarks for English and language arts and/or mathematics shall take a transitional course or intervention before exiting high school.

Students must meet college or career readiness standards as adopted by the Kentucky Board of Education and the Ohio County Board of Education in order to graduate. Principals will disseminate these readiness standards to students through the guidance program and inclusion in student handbooks and in the Individual Learning Plan (ILP).

College Ready Benchmarks: ACT, COMPASS or KYOTE

Career Ready Benchmarks: ACT Work Keys or ASVAB and KOSSA Certificate or
Industry Certificate

Exceptions to this requirement shall be made for students with identified learning disabilities as determined in the IEP by the Admissions and Release committee. Other exceptions for extenuating circumstances may be made by the OCHS Administration. Eligible students may complete an approved Service Learning Project based upon good faith effort in meeting one of the credentialing benchmarks outlined above.

GOOD FAITH EFFORT

All students are expected to give a good faith effort on any and all tests required by the school, District or state. The school Principal will determine the requirements for a good faith effort and communicate those to the students at the beginning of the school year and include in the student handbook.

DIPLOMA LEVELS

Students at Ohio County High School must complete a program of studies that offers the opportunity to earn the Standard Diploma. Graduation honors or distinctions can be added to the standard diploma.

The OCHS student handbooks and course guides shall include complete details concerning specific graduation and diploma requirements.

College and Career Readiness

<p><u>College Ready</u> A student must meet benchmarks on one of the following:</p>	<p><u>Career Ready</u> A student must meet benchmarks on one from <u>each</u> of the following columns:</p>		<p><u>College & Career Ready</u> A student must meet benchmarks on one from <u>each</u> of the following columns:</p>	
<p><u>ACT</u> English 18 Math 19 Reading 20 or <u>COMPASS</u> English 74 Math 36 Reading 85</p>	<p>Career Ready Academic</p>	<p>Career Ready Technical</p>	<p>College Ready Academic</p>	<p>Career Ready Technical</p>
	<p style="text-align: center;">AND</p> <p>ASVAB AFQT 50 or WorkKeys Silver</p>		<p>KOSSA or Industry Certificate</p>	
			<p>ACT or COMPASS</p>	<p>KOSSA or Industry Certificate</p>

Compass

- * ACT produced online test
- * No time limit
- * Writing (English), Math, & Reading similar to ACT
- * Can be administered twice by OCHS to Seniors who have not met benchmarks

ASVAB

- * Administered by military
- * Pencil & Paper test
- * Timed tests
- * AFQT is used to determine readiness (Word Knowledge (WK), Arithmetic Reasoning (AR), Paragraph Comprehension (PC) and Mathematics Knowledge (MK).)
- * Can be taken multiple times

WorkKeys

- * ACT produced product for employers
- * Online test
- * Timed
- * 3 Parts administered: Applied Mathematics, Reading for Information, and Locating Information

KOSSA (Kentucky Occupational Skills Standards Assessments)

- * Students must be in a career pathway and have completed 2 credits in that pathway and enrolled in a 3rd.

- * Online test

- * Assessments:

Early Childhood Education (Early Lifespan Development, Parenting, Child Development Services I & II)

Culinary & Foods Services (Foods & Nutrition, Culinary I, Culinary II)

Fashion & Interior Design (Life Skills, Fashion & Interior Design I & II)

Ag Power, Structural & Technical Systems (Intro to Ag, Ag Construction, Ag Power, Small Power, Ag structures)

Agribusiness (Intro to Ag, Agribusiness, Ag Employability, Greenhouse or Small Animal)

Horticulture (Intro to Ag, Greenhouse, Floral Design, Landscaping)

Animal Science (Intro to Ag, Animal Sci, Animal Tech, Equine Sci, Small Animal, Vet Sci)

Manufacturing- Machine Tool, Industrial Maintenance courses

Welding- Welding courses sequence

Construction- Carpentry courses sequence

IT Support (Computer Literacy, Comp Hdw&Soft, Help Desk, Intro to Networking)

Web Development (Computer Literacy, Web Page Dev, Website Design, Comp Hdw& Soft)

Engineering & Technology - Graphic Communications (Digital Literacy, Graphic Comm, Special Problems in Tech)

Allied Health-Pre-Nursing, EMT

Transportation- Auto Tech A-D

Administrative Support (Bus Principles, Accounting, Business Comm, Financial Literacy, Business law)

Business Management (Digital Literacy, Business Mgmt, Business Principles, Financial Literacy or Bus Law)

Industry Certifications

Child Development Services (PrePac Early Childhood, CPR)

Culinary Arts (ServSafe)

Welding (DOT welding)

Auto Tech (ASE)

Allied Health (Medicaid Nursing Assistant, EMT certification)

HIGH SCHOOL CREDIT FOR MIDDLE SCHOOL COURSES

To differentiate the curriculum to meet the needs of all students, the District shall offer selected courses of study for which a middle school student may earn high school credit. A grade of B or above earned by students who choose to participate in these courses shall be transferred to the high school, be included in the calculation of a student's high school grade point average (GPA) and become part of the student's official high school transcript.

STUDENT GRADE LEVEL CLASSIFICATION

9th grade students must complete **5** credits by the end of their 9th grade year to be enrolled in the 10th grade.

10th grade students must complete a total of **11** credits by the end of their 10th grade year to be enrolled in the 11th grade.

11th grade students must complete a total of **17** credits by the end of their 11th grade year to be enrolled in the 12th grade.

COLLEGE BOUND STUDENTS

Certain specific demands are placed on the college bound student. Since many college admission policies are becoming more selective, the student must be certain that he or she qualifies in terms of course quality and quantity. The more competitive the college, the more extensive are the requirements. The Pre-College Curriculum requirements should be met. Most colleges require their applicants to have a college placement test. The **PSAT/NMSQT, ACT, or SAT** is required for application to the Governor's Scholars Program and for enrollment in college courses.

All Kentucky students should strive to meet their ACT benchmarks before high school graduation. This is an indicator of preparedness for college & success. ACT benchmarks are as follows: English-18, Math-19, Reading-20.

PSAT/NMSQT - Cost approx. \$15 - Time to take the test is approximately 3 1/2 hours. The test is designed for 11th grade. The test date for the **PSAT/NMSQT** will be in mid-October. This may be beneficial for any student interested in Governor Scholars and students enter the competition for scholarships from NMSC.

ACT - Cost \$39.50 - Time to take the test is approximately 4 hours. The ACT will be given at Ohio County High School on Saturday, September 10, October 22, December 10, February 11 and April 8 for the 2016-2017 school year. Students must register at www.actstudent.org. **All 11th grade students will be taking the ACT in March as part of the Kentucky assessment.**

SAT - Cost \$43 - Time to take the test is approximately 4 ½ hours. See the guidance office for dates.

Successful Completion of AP Course Exams Translate to College Credit

* Exam Fee \$83. Reduced for those who qualify.

Course	AP Score	UL	UK	EKU	MSU (Murray)	WKU
Studio Art						
	3	Elective (3)	ART102 (3)	ART 100, 152, OR 153 (3)	ART 111 (3)	ART 130 (3)
	4	ART 105 (3)	ART102 (3)	ART 100, 152, OR 153 (3)	ART 111 (3)	ART 130&140 (6)
	5	ART 105 (3)	ART102 (3)	ART 100, 152, OR 153 (3)	ART 111 (3)	ART 130&140 (6)
Biology						
	3	BIOL 102 (3)	BIOL 102,103 (6)	BIO 100 (3)	BIOL 101,115 (7)	BIO 113 (3)
	4	BIOL 102 (3)	BIOL 103,148,152 (6)	BIO 111 (4)	BIOL 101,115 (7)	BIO 120,121 (4)
	5	BIOL 102 (3)	BIOL 103,148,152 (6)	BIO 111,112 (8)	BIOL 101,115,216 (11)	BIO 120-123 (8)
Calculus						
	3	MATH 180 (3)	MA 113 (4)	MAT 124 (4)	MAT 250 (5)	MATH 119 (4)
	4	MATH 205 (4)	MA 113 (4)	MAT 124 (4)	MAT 250 (5)	MATH 136 (4)
	5	MATH 205 (4)	MA 113 (4)	MAT 124 (4)	MAT 250 (5)	MATH 136 (4)
Chemistry						
	3	CHEM 201 (3)	CHE 105,111 (5)	CHE 101,101L (4)	CHE 101 (4)	CHEM 116 OR 101 OR 105/106 (3)
	4	CHEM 201,202 (6)	CHE 105,111 (5)	CHE 111,111L (4)	CHE 105 (4)	CHEM 105-106 (4)

	5	CHEM 201,202 (6)	CHE 105,107,111 (8)	CHE 112,112L (4)	CHE 105 (4)	CHEM 120,121 OR 105-106 (5)
English Language						
	3	ENG 101 (3)	WRD 1-- (3)	ENG 101 (3)	ENG 101 (3)	ENG 100 (3)
	4	ENG 101,102 (6)	WRD 1-- (3)	ENG 101,102 (6)	ENG 105 (4)	ENG 100 (3)
	5	ENG 101,102 (6)	WRD 1-- (3)	ENG 101,102 (6)	ENG 105 (4)	ENG 100 (3)
English Literature						
	3	ENG 101 (3)	ENG 1-- (3)	ENG 101 (3)	ENG 101 (3)	ENG 100 (3)
	4	ENG 101,102 (6)	ENG 1-- (3)	ENG 101,102 (6)	ENG 105 (4)	ENG 100,200 (6)
	5	ENG 101,102 (6)	ENG 230 (3)	ENG 101,102 (6)	ENG 105 (4)	ENG 100,200 (6)
Environmental Science						
	3	BIOL 263 (3)	EES 110 (3)	NEW COURSE PENDING	BIOL 103 (3)	AG ,CHEM ,ENV SCI OR PH 280 (3)
	4	BIOL 263 (3)	EES 110 (3)	NEW COURSE PENDING	BIOL 103 (3)	AG ,CHEM ,ENV SCI OR PH 280 (3)
	5	BIOL 263 (3)	EES 110 (3)	NEW COURSE PENDING	BIOL 103 (3)	AG ,CHEM ,ENV SCI OR PH 280 (3)
Music Theory						
	3	MUH 100X (3)	MUS 174 (3)	MUS 181 (4)	MUS 170 (3)	MUS 100 (3)
	4	MUH 100X (3)	MUS 171 (2)	MUS 181,182 (8)	MUS 170 (3)	MUS 100,101 (6)
	5	MUS 141,142 (8)	MUS 171,173 (4)	MUS 181,182 (8)	MUS 170,173 (6)	MUS 100,101 (6)
Physics						
	3	PHYS 221- 224 (8)	PHY 151,152 (6)	PHY 101 (3)	PHY 130,132 (6)	PHYS 101 (3)
	4	PHYS 221- 224 (8)	PHY 151,152 (6)	PHY 131 (5)	PHY 130,132 (6)	PHYS 101 OR 201 (4)
	5	PHYS 221- 224 (8)	PHY 151,152 (6)	PHY 131,132 (10)	PHY 130,132 (6)	PHYS 231/232 OR 201 (4)
US History						
	3	HIST 211 (6)	HIS 108,109 (6)	HIS 202,203 (6)	HIS 221,222 (6)	HIS 240 OR 241 (3)
	4	HIST 211 (6)	HIS 108,109 (6)	HIS 202,203 (6)	HIS 221,222 (6)	HIS 240 OR 241 + HIS ELECTIVE (6)
	5	HIST 211 (6)	HIS 108,109 (6)	HIS 202,203 (6)	HIS 221,222 (6)	HIS 240 OR 241 + HIS ELECTIVE (6)

Classes for College Credit

* There may be ACT or Compass requirements for these courses

Dual Credit-students receive high school and college credit with successful completion

Writing 1	OCTC ENG 101	\$50 each semester- up to 12 hours per year	ACT Eng 20
Writing 2	OCTC ENG 102	\$50 each semester- up to 12 hours per year	Writing 1
College Algebra	OCTC MAT 150	\$50 each semester- up to 12 hours per year	ACT Math 22
SPAN Chemistry	WKU CHEM 105-108 (8hrs)	\$230 each semester + lab book	None
Personal Finance	WKU FIN 161	\$210	None
Accelerated Spanish 3	WKU SPA 102	\$210	None
Accelerated Spanish 4	WKU SPA 201	\$210	None

Ag Leadership	MSU AED 104	\$100	None
Advanced Animal Sci	MSU AGR 100	\$100	None
Basic Public Speaking	WKU COM 145	\$210 + book	None
Intro to Business	WKU BUS 100C	\$210	None
World History	HIST 102	\$210	None

Discover College Courses-taken through the college; elective high school credits are given; college credit with successful completion

Agriculture	OCTC CAMPUS	Free up to 12 hours per year	Grades 10-12	ACT Comp 17
Biotechnology	OCTC CAMPUS	Free up to 12 hours per year	Grades 10-12	ACT Comp 17
CADD	OCTC CAMPUS	Free up to 12 hours per year	Grades 10-12	ACT Comp 17
Criminal Justice	OCTC CAMPUS	Free up to 12 hours per year	Grades 10-12	ACT Comp 17
Electrical Technology	OCTC CAMPUS	Free up to 12 hours per year	Grades 10-12	ACT Comp 17
HVAC	OCTC CAMPUS	Free up to 12 hours per year	Grades 10-12	ACT Comp 17
IECE	OCTC CAMPUS	Free up to 12 hours per year	Grades 10-12	ACT Comp 17
Mechatronics	OCTC CAMPUS	Free up to 12 hours per year	Grades 10-12	ACT Comp 17
ENGLISH 101	WKU ONLINE	\$210 plus book	Grades 11-12	ACT Eng 18
MATH 109	WKU ONLINE	\$210 plus book	Grades 11-12	ACT Math 19
PSYCHOLOGY 100	WKU ONLINE	\$210 plus book	Grades 11-12	None
CHEMISTRY 101	WKU ONLINE	\$210 plus book	Grades 11-12	None
POLITICAL SCI 110	WKU ONLINE	\$210 plus book	Grades 11-12	None
SOCIOLOGY 100	WKU ONLINE	\$210 plus book	Grades 11-12	None
COMMUNICATIONS 145	WKU ONLINE	\$210 plus book	Grades 11-12	None

** Colleges may vary the online or discover college courses offered each year.

CAREER BOUND STUDENTS

Students wanting to earn a career diploma must be working toward a Certificate from one of the areas listed below. Students must earn 3-4 credits from the courses listed and pass the qualifying exam to receive the certificate. College bound students are also encouraged to work toward a career certificate.

Program: Automotive Technology

Program Certificate: Automotive Maintenance and Light Repair Technician

CCR Certificates: KOSSA-Transportation or ASE Student Certification-Maintenance and Light Repair

Required Courses: Auto Maintenance and Light Repair A, B, C, D

Program: Business Education

Program Certificate: Administrative Support

CCR Certificates: KOSSA-Administrative Support

Required Courses: Business Principles & Apps, Accounting, Financial Literacy,

Additional class to be a completer: Business Communications, Business Law

Program: Business Education

Program Certificate: Business Management

CCR Certificates: KOSSA-Business Mgmt

Required Courses: Business Principles & Apps, Business Mgmt, Digital Literacy,

Additional class to be a completer: Business Economics, Financial Literacy, Business Law, Accounting & Finance

Program: Computerized Manufacturing and Machining Technology

Program Certificate: Machinist Operator

CCR Certificates: KOSSA-Manufacturing or MasterCam or National Institute for Metalworking Skills (NIMS)

Required Courses: Fundamentals of Machine Tools – A, Fundamentals of Machine Tools – B, Applied Machining 1

Additional class to be a completer: Manual Programming, Applied Machining 2, Metrology/Mechanical Blueprint Reading

Program: Computerized Manufacturing and Machining Technology

Program Certificate: CNC Operator

CCR Certificates: KOSSA-Manufacturing or MasterCam or National Institute for Metalworking Skills (NIMS)

Required Courses: Fundamentals of Machine Tools – A, Fundamentals of Machine Tools – B, Manual Programming

Additional class to be a completer: CAD/CAM/CNC

Program: Construction Carpentry

Program Certificate: Residential Carpenter Assistant

CCR Certificates: KOSSA-Construction or National Center for Construction Education and Research (NCCER)

Required Courses: Introduction to Construction Technology, Floor and Wall Framing, Ceiling and Roof Framing

Additional class to be a completer: Exterior and Interior Finishing, Site Layout and Foundations.

Program:Electrical Technology

Program Certificate: Industrial Electrician Assistant

CCR Certificates: KOSSA Manufacturing

Required Courses: Electrical Construction 1, Electrical Construction 2, Circuits 1

Additional classes: Electrical Motor Controls

Program:Electrical Technology

Program Certificate: Electrician Assistant

CCR Certificates: KOSSA Manufacturing

Required Courses: Electrical Construction1, Electrical Construction 2, Circuits 1

Additional classes: Circuits 2, Industrial Safety

Program: Health Science

Program Certificate: Pre-Nursing

CCR Certificates: KOSSA-Allied Health or State Registered Nursing Assistant/Medicaid Nurse Aide

Required Courses: Principles of Health Science, Medical Terminology/Emergency Procedures, Medicaid Nurse Aide (this course is 2 periods/credits)

Additional class: Health Sciences Internship

Program: Health Sciences

Program Certificate: Emergency Medical Technician

CCR Certificates: KOSSA-Allied Health, EMT National Certification

Required Courses:, Principles of Health Science, Medical Term/Emerg Proc, EMT, EMS training

Program: Information Technology

Program Certificate: Information Support and Services

CCR Certificates: KOSSA-Computer Technician

Required Courses: Computer Literacy, Computer Hardware and Software Maintenance, Help Desk Operations, Internet Technologies

Program: Information Technology

Program Certificate: Web Development and Administration

CCR Certificates: KOSSA-Web Design

Required Courses: Computer Literacy, Web Page Development, Web Site Design and Production, Internet Technologies

Program: Welding Technology

Program Certificate: Welder-Entry Level

CCR Certificates: KOSSA-Manufacturing or Kentucky Department of Transportation 3-G or American Welding Society 2-F

Required Courses: Shielded Metal Arc Welding (SMAW), SMAW Groove Welds with Backing Lab, Gas Metal Arc Welding

Additional class to be a completer: GMAW Groove Lab, Oxy-fuel Systems, Gas Tungsten Arc Welding, Blueprint Reading for Welding

Program: Family and Consumer Science

Program Certificate: Fashion and Interior Design

CCR Certificates: KOSSA or Pre-Pac

Required Courses: Lifeskills, Fashion and Interior Design I, Fashion and Interior Design II

Additional class to be a completer: Money Skills, Fashion & Interior Design Internship

Program: Family and Consumer Science

Program Certificate: Early Childhood Education

CCR Certificates: KOSSA, Prepac, Commonwealth Child Care Cert. of Eligibility, Ky Early Child Care and Education Orientation Certificate

Required Courses: Parenting/Early Lifespan, Child Dev Services I

Additional class to be a completer: Lifeskills, Child Development Services II, Money Skills, Early Childhood Intership

Program: Family and Consumer Science

Program Certificate: Culinary and Food Services

CCR Certificates: KOSSA, PrePac, or ServSafe

Required Courses: Lifeskills, Foods, Culinary I

Additional class to be a completer: Culinary II, Money Skills

Program: Agribusiness

Program Certificate: Agribusiness

CCR Certificates: KOSSA

Required Courses: Intro to Ag, Ag Business/Farm Management, Ag Employability Skills

Additional classes to be a completer: Greenhouse, Small Animal Tech

Program: Agriculture

Program Certificate: Ag Power, Structural & Technical Systems

CCR Certificates: KOSSA

Required Courses: Intro to Ag, Ag Construction, Small Power Equipment

Additional classes to be a completer: Ag Power & Machinery, Ag Business/Farm Management, Ag Employability

Program: Agriculture

Program Certificate: Animal Science Systems

CCR Certificate: KOSSA

Required Courses: Intro To Ag, Small Animal Tech, Veterinary Science

Additional classes to be a completer: Equine Science, Advanced Animal Science, Farm Mgmt, Ag Employability

Program: Agriculture

Program Certificate: Horticulture & Plant Science Systems

CCR Certificate: KOSSA

Required Courses: Intro to Ag, Landscaping/Turf Management, Greenhouse

Additional classes to be completer: Floral Design/Floriculture, Ag Business/Farm Management, Ag Employability

Program: Army JROTC

Program Certificate: ROTC

CCR Certificate: 3 or 4 year certificate of training

Required Courses: ROTC LET 1, ROTC LET 2, ROTC LET 3

Additional class: ROTC LET 4

Program: Technology Education

Program Certificate: Graphic & Digital Communications

CCR Certificates: KOSSA-Engineering & Technology

Required Courses:, Digital Literacy, Graphic Communications, Special Problems in Technology,

Additional class to be a completer: Mechanical & Technical Design

Eligibility Requirements of Student-Athletes as Outlined by the Kentucky High School Athletic Association

Bylaw 5. Minimum Academic Requirement

Sec. 1) Proper Grade Level Requirement for Students in All School Districts

On the first day of each school year, a student must be at his/her proper grade level. To be considered to be at the proper grade level, a student must have been enrolled during the previous grading period, and must be on schedule to graduate on the first day of school. For the verification of this provision, all course work, including summer and correspondence work, must be complete by the first day of the school year for the student body.

The following chart will be used to determine eligibility based on our district requirements for graduation:

Graduation Requirement	First Year of High School	Second Year of High School	Third Year of High School	Fourth Year of High School	Required to reinstate after complete year ineligible
24 credits	Promoted from 8 th grade	4.8 credits	10.8 credits	16.8 credits	6 credits

Sec. 2) One-time reinstatement of Students Failing to Meet Normal Progress Requirements

The eligibility of a student failing to meet the provisions to stay on grade level may be reinstated a maximum of one time. This reinstatement is possible by the student passing twenty-five (25) percent of the requirements of the district for graduation during the year he/she is ineligible. He/She, upon reinstatement, shall remain eligible as long as he/she passes twenty-five (25) percent of the requirements of the district for graduation during each subsequent year.

OHIO COUNTY HIGH SCHOOL ACADEMIC CLUBS AND ORGANIZATIONS

ART CLUB

National Art Honor Society (NAHS) is for students who have had or currently have an art class here at OCHS. Our senior members (10th -12th graders only) with a 3.0 GPA and our junior members (9th-12th graders) with a GPA below 3.0 will be involved in community service, exhibits and competitions. Seniors will be recognized at graduation with a cord.

BETA CLUB

An organization for any student with a 3.2 GPA or above committed to promoting high academic standards and service to the community.

FBLA is the largest business career student organization in the world. FBLA membership is open to students with a career interest in business, management, finance, entrepreneurship, and/or business administration. We like being helpful to the community through community services (such as Animal Shelter visits) and support to our community. FBLA members can choose to compete in various events with the best students from our region, state and national levels. While at conferences you can have fun and network with other FBLA members within our chapter, around the State, and from other countries. Give FBLA a chance to provide you the skills you need to help you in your future by providing you a fun and entertaining yet challenging club to be apart of. We challenge you to succeed and to Experience the Difference with FBLA! Requirement to join FBLA is to be in a business class.

DRAMA CLUB

Open to any one interested in the theatrical arts. Drama Club performs two shows each year, usually a musical and a full length play. All rehearsals and auditions are after school. Next year drama class will be offered, but this is not a requirement to be in drama club.

EAGLE EXCELLENCE

Membership is for Seniors ONLY who have achieved the following: Proficient or higher in ALL areas on the 11th grade CATS Assessment, ACT score of 24 or higher And/Or ASVAB score of 50 or higher, 3.5 GPA or higher, No discipline referrals or tardy marks, 6 or less Excused Absences, 20 hours of Service Learning in ESS, Active involvement in 1 or more clubs/organizations, Completed Individual Graduation Plan. Silver sash at graduation.

FCCLA

Family, Career and Community Leaders of America will give students opportunities for family and community activities. Students must be taking or have taken at least one Family and Consumer Science class in middle or high school to participate.

FFA

The Ohio County Future Farmers of America is an organization for students enrolled in agriculture education courses. The three main goals are to develop premier leadership, career success, and personal growth at the local, regional, state and national level. Our students hold monthly meetings to stay informed of the opportunities for participation in activities that prepare them to become better citizens.

HOSA

The mission of HOSA (Health Occupations Students of America) is to enhance the delivery of compassionate, quality health care by providing opportunities for knowledge, skill and leadership development of all health sciences education students, therefore helping students to meet the needs of the health care community. Any student who is currently enrolled in a Health Sciences class or who has taken at least one Health Sciences class may join.

INTERNATIONAL CLUB

International Club members are students who are taking or speak French or Spanish. They participate in the club to celebrate and explore cultures and the diversity in their world.

NATIONAL HONOR SOCIETY

The National Honor Society is an organization for seniors focused on the principles of scholarship, leadership, character, and community service. Seniors who are accepted volunteer in the community and coordinate Christmas Wish, Wall of Fame and Scholarship Night.

OCHS ACADEMIC TEAM

Students will participate in academic competitions both at OCHS and at other schools.

OCHS SPORTS & ATHLETICS

Baseball	Basketball (Boys & Girls)
Cheerleading	Dance Team
Football	Golf (Boys & Girls)
Softball	Soccer (Boys & Girls)
Swimming (Boys & Girls)	Tennis (Boys & Girls)
Volleyball	Wrestling
Cross Country	Track & Field
Bass Fishing	Archery

STLP

Students with a special interest in technology may join this organization.

STUDENT COUNCIL

Membership is open to all students interested in community activities, school spirit, and leadership; active participation is required.

SKILLS USA-VICA

Skills USA is the only organization for technical, skilled and service careers. It is designed and run by the student. Being a Skills USA member is much more than winning a contest. It means dedication to personal and professional excellence. Skills USA is dedicated to building champions for America's workforce. Students who are enrolled in an Area Technology Center trade or industrial class may participate.

SPANISH NATIONAL HONOR SOCIETY

(SHH) is for students with at least 3 semesters of Spanish who focus on character, leadership and service to the Latino community. Juniors and seniors are eligible for scholarships and travel awards.

OHIO COUNTY BAND

Offers several co-curricular opportunities for students that want to be part of something bigger.

Percussion Ensemble, Concert, and Symphonic Band are musical performance electives during the day.

After school opportunities include:

- Marching band – Work collaboratively as a unit to musically and visually communicate in competition.
- Pep Band – Musically support our teams.
- Winter Guard – Flags, Rifles, and Dance all set to music in winter/spring competition
- Indoor Drumline – Competitive Percussion indoors.

Most clubs charge dues ranging from \$5 to \$30.

OCHS Courses

ENGLISH

Course Name	Course Number	Credit	9 th	10 th	11 th	12 th	Prerequisite	Description
English 1	101	1	X				None	This course is designed to improve reading, vocabulary, and writing skills to prepare the student for College or Career. Grammar and mechanics are included as well as speaking, listening, and technological skills.
English2	102	1		X			101	This course is designed to improve reading, vocabulary, and writing skills to prepare the student for College or Career. Grammar and mechanics are included as well as speaking, listening, and technological skills.
English 3	103	1			X		102	This course is designed to improve reading, vocabulary, and writing skills to prepare the student for College or Career. Grammar and mechanics are included as well as speaking, listening, and technological skills.
English 4	104	1				X	103	This course is designed to improve reading, vocabulary, and writing skills to prepare the student for College or Career. Grammar and mechanics are included as well as speaking, listening, and technological skills.
Accelerated English 1	111	1	X				96% Or Higher in 8th Grade English	This course is recommended for students with a strong background in the English language and will prepare students for English 2 - Accelerated. The class will encompass all aspects of the regular English I class with more rigorous coursework. This class is strongly recommended for any students pursuing post-secondary education at a college or university level.
Accelerated English 2	112	1		X			A or B In 111 or A in 101 With TR	A Pre-AP Curriculum designed to prepare students for participation in AP/College course work in the 11th and 12th grades. The class will encompass all aspects of the regular English 2 class with more rigorous coursework. This class is recommended for any students pursuing post-secondary education at a college or university level.
AP English Literature	113	1			X		A or B In 112 or A in 102 With TR	An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Students consider a work's structure, style and themes, as well as figurative language, imagery, symbolism and tone. Successful completion of the AP exam will earn college credit. This course may require (an) independent reading(s) to be completed before returning to school in the fall. These readings will be listed in the syllabus that will be made available to students before leaving for summer break. All students are expected to take the AP exam.
College English 101- Writing 1	114	½				X	ACT English 20 A or B in 113 or A in 103 or TR	A College Course through OCTC which focuses on academic writing. This class provides instruction in drafting and revising essays; includes reading critically, thinking logically, responding to texts, addressing specific audiences, researching and documenting sources and a review of grammar, mechanics and usage.
College English 102- Writing 2	114B	½				X	College Writing 1	A College Course through OCTC which focuses on argumentative writing. This class provides instruction in drafting and revising essays; includes reading critically, thinking logically, responding to texts, addressing specific audiences, researching and documenting sources and a review of grammar, mechanics and usage.
Plays of Shakespeare/ Classical Mythology	116	1		X	X	X	101 (English 1)	This elective course is gives students a look at the brighter side of Shakespeare's plays. Comedy and history plays will be the focus of study, and a deeper understanding and appreciation for Shakespeare and his works. All students will be expected to be an active participant in discussions and activities. This course will focus on the study of the ancient Greek and Roman religions and the impact that these have had on world cultures throughout time.
Contemporary Fiction/Creative Writing	117	1		X	X	X	English 1	This elective gives students experience reading contemporary fiction – poetry, short stories, and novels published in the last ten years. Additionally, it gives students a forum to explore creative writing, including poetry, short stories, and longer fiction. Students will study the writing process, the revision process, and current options in the publishing industry. All students will be expected to be an active participant in class discussions and activities.

MATH

Course Name	Course Number	Credit	9 th	10 th	11 th	12 th	Prerequisite	Description
Algebra 1	201	1	X				OCMS TR, OCMS test scores	The objective of Algebra I is to develop strategies for solving non-routine problems and to give students an understanding of algebra by emphasizing concepts, structure and applications. Topics will include the real number system, number theory, algebraic expressions and sentences, linear and quadratic equations, inequalities, operations with polynomials, relations and functions, graphing equalities and inequalities, radical expressions, factoring polynomials and systems of equations. (Students requiring math intervention will also be placed in Algebra 1 lab.)
Accelerated Algebra1	221	1	X				OCMS TR, OCMS test scores	This course will move at a quicker pace to cover more topics in Algebra 1. This course is a one year complete Algebra I course designed for students who are college bound and intend to pursue post-secondary mathematics or science programs. Topics will include: the real number system, number theory, algebraic expressions and sentences, linear and quadratic equations, inequalities, polynomials, relations and functions, graphing, radicals, factoring, systems of equations and more.
Core Algebra 2	202C	1		X			Algebra 1	This course is designed for students who have previously received a credit for Algebra I, but had difficulty in mastering the concepts covered. Students will work at a slower pace to cover the following topics include: simplifying and evaluating expressions, solving equations and inequalities, systems of equations and inequalities, linear functions, matrices, factoring, solving and graphing polynomial functions, radicals, complex numbers, quadratic equations and functions, rational expressions and equations, probability and statistics, logarithms, and exponential functions. Problem solving and mathematical connections are emphasized throughout the course. Graphing calculators are used as problem solving tools.
Algebra2	202	1		X			Algebra 1	This course is designed for students who have taken Algebra I. Topics include: simplifying and evaluating expressions, solving equations and inequalities, systems of equations and inequalities, graphing functions, geometric relationships, proportional reasoning, trigonometry, probability and statistics. Problem solving and mathematical connections are emphasized throughout the course. Graphing calculators are used as problem solving tools.
Accelerated Algebra2 Freshman	222F	1	X				OCMS TR, OCMS test scores	This course is designed for college bound students that do intend to pursue a post-secondary mathematics or science program. The concepts of Algebra I will be expanded and emphasis will be placed on preparation for study of higher mathematics/abstract thinking skills, the function concept, and algebraic solution of problems in various content areas. Topics include: the complex number system and matrices, quadratic equations and inequalities, graphs, exponential and logarithmic functions, progressions and series, and the binomial theorem, introductory work in conic sections, probability and trigonometry.
Core Geometry	203C	1			X		Algebra 1and Algebra 2	This course is designed for students who have difficulty mastering the concepts in Algebra I and Algebra II. Fundamentals are thoroughly introduced so that students develop basic concepts and learn to apply geometric principles. The vocabulary, axioms and theorems of Euclidean geometry are presented and students are required to write inductive proofs in paragraph form and deductive proofs in short 2-column form. Topics include: points, lines, planes, plane figures, area and perimeter, congruence, similarity, ratio and proportion, volume and surface area of solids.
Geometry	203	1			X		Algebra 1and Algebra 2	This course is designed for college bound students that do not intend to pursue post-secondary mathematics or science programs. Fundamentals are thoroughly introduced so that students develop basic concepts and learn to apply geometric principles. The vocabulary, axioms and theorems of Euclidean geometry are presented and students are required to write inductive proofs in paragraph form and deductive proofs in short 2-column form. Topics include: points, lines, planes, plane figures, area and perimeter, congruence, similarity, ratio and proportion, volume and surface area of solids.

Accelerated Geometry	223	1		X	X		AccelAlgebra 2 or TR or Accel Algebra 1	This course is designed for college bound students that intend to pursue post-secondary mathematics or science programs. Fundamentals are thoroughly introduced so that students develop basic concepts and learn to apply geometric principles. The vocabulary, axioms and theorems of Euclidean geometry are presented and students are required to write inductive proofs in paragraph form and deductive proofs in short 2-column form. Topics include: points, lines, planes, plane figures, area and perimeter, congruence, similarity, ratio and proportion, volume and surface area of solids and trigonometry.
Math Concepts	216	1				X	ACT Math score below 19	This course is designed for seniors to help with math skills needed after graduation. Topics that will be covered include: banking services, payroll, taxes, insurance, purchasing, mark-ups and mark-downs, interest, consumer credit and mortgages. This course will also <u>cover topics that will help improve the students ACT, Compass and Workkeys</u> help the student become college and career ready in math. This course is designed for students that have not met Math benchmarks. Students scoring above 19 on Math ACT should not take this course.
Intermediate College Algebra	215	1			X	X	Accel Algebra 2 students with C or D	This course is designed for students that have below a 20 on the math section of the ACT. It is a developmental math course that is offered at OCTC. The course hopes to prepare students for success in college algebra and to help prevent students from having to take a developmental course in college. The student will only receive high school credit for the course. No college credit will be given. The course will cover functions, linear and quadratic equations, polynomials, exponents and radicals, and applications.
Pre-Calculus	225	1			X	X	Accelerated Algebra 2 and Accelerated Geometry	Strongly recommended for students taking math and/or science in college. This course includes topics traditionally taught in trigonometry and analytic geometry in addition to other topics. The purchase of a TI-84 or TI-83 graphing calculator is recommended for this course. Students must pass the exit exam to enroll in AP Calculus.
College Algebra	224	1			X	X	Accelerated Algebra 2 (grade A or B & Math ACT score of 22	Selected topics in Algebra and analytic geometry. Develops manipulative skills and concepts required for further study in mathematics. Includes linear, quadratic, polynomial, rational, exponential, logarithmic and piecewise functions, systems of equations and inequalities, and introduction to analytic geometry. Graphing calculators will be used. Three hours dual credit available; registration required for college credit. Must have a Math ACT score of 22.
AP Calculus	226	2				X	Pre-Calculus	This course is designed for students who have completed four courses in the pre-college math curriculum established by the College Board. The purchase of a TI-84 or TI-83 graphing calculator is recommended for this course. Successful completion of the AP exam will earn college credit.

TR=Teacher Recommendation

It is required that every student be enrolled in at least 1 math course per year during the 9th, 10th, 11th and 12th grade. You must take Algebra 1, Algebra 2, Geometry, and one other Math class. (All Math classes are assessed a fee for calculator batteries.)

(Students may need to take more than one math class a year to complete all higher level courses, depending on whether they received Algebra I credit in the 8th grade)

SCIENCE

Course Name	Course Number	Credit	9 th	10 th	11 th	12 th	Prerequisite	Description
Integrated Science	301	1	X				None	This physical science course introduces students to techniques and methods employed in both chemistry and physics.
Biology	302	1	X	X			301 (may be taken concurrently w/ teacher approval)	This life science course is designed to give students a well-rounded background in key areas of biological sciences. Relevant application of these key areas is emphasized-includes lab.
Environmental Geology	303	1			X		301 and 302	This earth/space science course will focus on the formation and ongoing changes of the earth's system and the universe, energy in the earth's system, and geo-chemical cycles.
Chemistry	304	1		X	X	X	302 or enrolled and Algebra 2 or enrolled in Alg 2	This course offers fundamental chemistry principles and concepts along with general laboratory practices.
Anatomy & Physiology	305	1			X	X	302	This course emphasizes instruction concerning the structure, function, and terminology of the major systems of the body. It is beneficial to students pursuing careers as lab technicians, physical therapists, nurses, radiology technicians, medical doctors, etc.
AP Biology	306	1			X	X	302 and 304	This college level course is for students who desire to continue in the field of biological science. College level laboratory experiments are required and will be held after school. Successful completion of the AP exam will earn college credit.
AP Chemistry	307	2			X	X	302 and 304	This college level course is designed for students who plan continued, in-depth study of chemistry in college. After school labs are required. This class meets all year. Students may earn 8 college hours through Western Kentucky University by applying, paying the necessary fees and successfully completing this class. Successful completion of AP exam also earns college credit.
AP Physics	309	1			X	X	Math -222, 223, and 225 or enrolled in 225	This course is designed to develop the student's ability to read, understand, and interpret physical information. Students will also use mathematical reasoning in a physical problem, to perform experiments and interpret results of observations. Successful completion of the AP exam will earn college credit.
AP Environmental Science	310	1			X	X	302 and 304	The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Successful completion of the AP exam will earn college credit. This course fulfills the Environmental Science requirement for Juniors.
Zoology/ Forensic Science	312	1			X	X	302 and 304 (Biology and Chemistry)	Students will study the animal kingdom in depth. Taxonomy, evolution, structure and function will be emphasized. Dissections and comparisons of anatomy will help students understand phylogenetic relationships. This class involves using scientific knowledge and reasoning. It includes all areas of science: biology, anatomy, chemistry, physics, and earth science with an emphasis in complex reasoning and critical thinking. In addition, students must incorporate the use of technology, communication skills, mathematics and social studies. Topics include analysis of blood evidence, fingerprints, DNA, handwriting, hair, soil, and fibers; forensic anthropology and documentary evidence.

All students must have 3 science credits to graduate. These credits must be the following: 9th grade-ICP, 10th grade- Biology, 11th grade- Environmental Geology. One science class must be taken each of the first three years in high school. Advanced students may take multiple classes each year. A recommended schedule is below.

9th grade- Integrated Science

10th grade- Biology (required)/Honors Biology and Chemistry*

11th grade- Environmental Geology (required) and Chemistry*, Anatomy*, AP Environmental Science* and/or AP Biology*

12th grade- AP Biology*, Anatomy*, AP Chemistry*, AP Physics*

*These classes are electives and have prerequisites that must be met. (All science classes are assessed a fee for lab materials.)

SOCIAL STUDIES

Course Name	Course Number	Credit	9 th	10 th	11 th	12 th	Prerequisite	Description
World History & Geography (Comparative Studies)	401	1	X					This course integrates the study of world geography with world civilization, focusing on the development of cultures of western civilization. It is designed to help students understand that the forces that shaped our world in the past are similar to those that shape the world we live in today, as well as the future. Included will be discussions of geographical and social "push-pull" factors and their effects on world history.
Early American History & Government	402			X				This required course will examine American History (1450-1876) and the social, political, economic, intellectual, and cultural influences that shaped our nation.
Contemporary American History	403	1			X		402	This required course is a survey of United States History with emphasis on the 19 th -21 st centuries. Its major purpose is to relate present events with the past and to predict movements, trends, and cycles for the future, as well as to develop a sense of the common experiences that all Americans share.
AP US History	405	1			X		GPA Of 3.6 Or Higher	This course offers advanced level and enrichment in American History. The course offers advanced levels of study and enrichment in early American History. Students wishing to take the AP Exam MUST take this course. This course DOES fulfill the U.S. History requirement for graduation. Successful completion of AP exam will earn college credit. Students are expected to take the AP exam.
Psychology	407	1				X	None	Psychology is a scientific study of behavior, which emphasizes understanding, and development of behavior, personality development, study of perception and sensation, learning theories, and adjustment of one's social environment. Emphasis is placed on conflict and stress management.
Accelerated World History & Geography (Comparative Studies)	411	1	X				Recommendation from OCMS	This course is designed to challenge students and prepare them to take Advanced Placement Social Studies courses. Students in this course will examine the various types of governments and how those governments protect the rights of their citizens. Students will also study economic principles and the relationship between people and geography. Students will be challenged to improve their critical thinking and problem solving skills, as they will engage in group projects, discussions, document analysis, historical research, and essay writing. The government portion will be 18 weeks, with economics and geography being studied 9 weeks each. This course fulfills the Social Studies I requirement for graduation.
Accelerated Early American History & Government	412			X			401 or 411	This course is designed to challenge students and prepare them to take Advanced Placement Social Studies courses. The course will examine American History (1450-1876) and the social, political, economic, intellectual, and cultural influences that shaped our nation.
Criminal Justice	420	1		X	X	X	None	This course is designed to introduce students to the various careers in all the major areas of the Law Enforcement and Criminal Justice Fields. In addition to this, the students will be provided with the information to develop tools necessary to work and succeed in the Criminal Justice community. The class will be comprised of in-depth group discussion, guest speakers, and field trips, thought provoking individual & group assignments and detailed lectures. The primary goal of this course is to give those students with a serious interest in Criminology a background as to what this type of lifestyle entails so when they move into the field they will have a competitive edge over their peers.

World History 2 (WKU HIST 102)	422	1			X	X	None	A comparative historical survey of the major political, religious, and cultural developments in Asia, Africa, and the Mediterranean basin, Europe, and the Americas from 1500 to present. WKU Registration and payment of tuition required.
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HEALTH/PHYSICAL EDUCATION

Course Name	Course Number	Credit	9 th	10 th	11 th	12 th	Prerequisite	Description
Health	501	½	X				None	Health is a required course for all students. Units of study will include wellness, nutrition and food choices, mental health, food related diseases, goal setting, decision making, time management, stress management, conflict resolution/anti-violence, body systems and structure, reproduction and development, first aid, emergencies, safety, drug and alcohol prevention.
Physical Education	502	½	X				None	A co-educational course that consists of exercise, basketball, soccer, softball, track & field, tennis, volleyball, physical fitness tests, jump rope, and relay as various activities. This class emphasizes learning skills that build confidence and the ability to get along with your peers in competition, and with the objective of promoting a desire to continue participation in physical fitness for years to come. All students taking PE will be expected to dress and participate 100% of class time. This is a required course for graduation from a Kentucky high school.
Introduction to Recreation (WKU REC 200)	516	1			X	X	None	This course Introduces the student to recreation, parks and leisure history, philosophical concepts, and trends with attention to recreation sectors and employment opportunities. Dual credit 3 hours college credit available; WKU Registration and payment of tuition required.
Strength, Speed & Acceleration 1	504	1	X	X	X	X	None	This course is designed to increase student's physical abilities through a combination of resistance training, cardiovascular training, and various plyometric and isometric exercises. The students will participate in station activities to further condition them during class and give them the knowledge on how to apply these principles on their own outside of class. The students will experience different types of training on various days to help increase their athletic output. Developing linear speed, agility, range of movement, absolute strength and movement specific power will be important to every athlete. The combination of different training methods will help the student's fast and slow twitch muscle development. We use various applications of the concept of periodization and apply a wide variety of lifting techniques to accommodate specific needs.
Strength, Speed & Acceleration 2	505	1		X	X	X	504	This course is a continuation of 504.
Strength, Speed & Acceleration 3	510	1			X	X	505	This course is a continuation of 505.
Strength, Speed & Acceleration 4	511	1				X	510	This course is a continuation of 510.
Team Sports & Fitness 1 / Individual Sports & Fitness 1	506	1	X	X	X	X	None	Team Sports- Emphasis will be on developing skills as well as team strategies, teamwork and overall knowledge of the games. Cardiovascular conditioning will be included. Units covered will include: Volleyball, Basketball, Soccer, Flag Football, Ultimate Frisbee, Kickball, Whiffleball, Flickerball, Softball, and Track/field. Individual Sports- Emphasis on developing the skills and strategies of several lifetime sports. Students will participate in individual sports and fitness activities. Cardiovascular conditioning will be included. Units covered will include: Badminton, Tennis, Horseshoes, Whiffleball, golf, Cornhole, Table Tennis, Track/field and Circuit Training/Agility.
Team Sports & Fitness 2 / Individual Sports & Fitness 2	508	1		X	X	X	506	This course is a continuation of 506.

Team Sports & Fitness 3 / Individual Sports & Fitness 3	512	1			X	X	508	This course is a continuation of 508.
Team Sports & Fitness 4 / Individual Sports & Fitness 4	514	1				X	512	This course is a continuation of 512.

WORLD LANGUAGES

Course Name	Course Number	Credit	9 th	10 th	11 th	12th	Prerequisite	Description
Spanish 1	611	1	X	X	X	X	None	You will begin to understand simple spoken Spanish, to make yourself understood and to learn about the customs and traditions of Spanish-speaking people. You will learn Spanish by listening, reading, writing and speaking.
Spanish 2	612	1		X	X	X	611	You will develop your knowledge of Hispanic culture and Spanish by using complete sentences, creating and responding to questions and enriching your vocabulary.
Accelerated Spanish 2	622	1		X	X		611	You will develop your knowledge of Hispanic culture and Spanish by using complete sentences, creating and responding to questions and enriching your vocabulary. This course is designed for accelerated students.
Accelerated Spanish 3	613	1			X	X	622	You will expand your knowledge of Hispanic culture and Spanish. You will be able to communicate and read more easily. Dual credit 3 hours college credit available (SPA 102); WKU Registration and payment of tuition required.
Accelerated / AP Spanish 4	614	1				X	613	You will continue to expand and refine your language skills and cultural knowledge. Dual credit 3 hours college credit available (SPA 201); WKU Registration and payment of tuition required.

ART EDUCATION

Course Name	Course Number	Credit	9 th	10 th	11 th	12th	Prerequisite	Description
Visual Art 1	641	1	X	X	X	X	None	Visual Art 1 is a prerequisite for Drawing and Painting and it is highly recommended that it be taken before Photography, Ceramics, and Introduction to 3D. It provides instruction in the basic art areas with emphasis on basic drawing, painting, ceramics, composition and the elements and principles of 2-D and 3-D design. Art history and aesthetics will also be emphasized along with an introduction to visual art careers.
Drawing	642	1		X	X	X	641	This course provides instruction in 2-D design, emphasizing graphite, charcoal, color pencil, and pastel. A progressive study of art history and aesthetics will accompany study projects. Projects will emphasize drawing techniques in a variety of media along with a study of artists throughout history.
Painting	643	1		X	X	X	641	This course provides instruction in 2-D design emphasizing tempera, watercolor, acrylics, and oil. A progressive study of art history and aesthetics will accompany studio projects. Projects will emphasize techniques in painting in a variety of media along with a study of artists throughout history.

Ceramics 1	644	1		X	X	X	641 preferred	Ceramics 1 is an introduction to 3D design focusing on clay processes. Students engage in a variety of learning experiences that encompass art criticism, aesthetics, and production. Students create works of art in clay utilizing various hand building techniques as well as glaze processes. Projects will focus on the principles of design, problem solving, and craftsmanship. Students will reflect upon the outcome of experiences, explore cultural and historical connections, find direct correlation to other disciplines, and explore career options related to ceramics. This class is a prerequisite for ceramics 2 and AP Art for those planning to do a 3D portfolio. There is no prerequisite for this class but Visual Art 1 is highly recommended. (This class is assessed a fee.)
Photography	645	1		X	X	X	641 preferred	This course will provide students with basic design skills, knowledge of the camera and photo developing equipment, and techniques needed to photograph a variety of subjects and develop their own black and white prints. Students will expand their basic skills and knowledge by experimenting with different techniques of developing prints and mounting. Other 2-dimensional processes will also be explored. This class will culminate with a student-choice "visual thesis" in which students will create a theme or story line with photographs. Students are required to provide their own 35mm camera for this class. (This class is assessed a fee.)
AP Studio Art	647	1				X	641	This yearlong course focuses on the three main aspects of the A.P. art portfolio: Quality, Concentration, and Breadth. During this course another important aspect to the class is learning to utilize the elements and principles effectively in creating individual artworks for each of their individual portfolios. The students will research all historical art periods and artists from the Kentucky Core Content for Arts to gain an understanding from where art has evolved and how it is advancing into the future. Students will expand upon their design/composition, technique, and problem-solving skills developed from prior art classes, however, it is not mandatory that students have a previous art class if the talent is evident. Successful completion of AP exam will earn college credit.
Ceramics 2	648	1			X	X	644 and teacher permission	Ceramics 2 is a continuation of Ceramics 1. Students in Ceramics 2 engage in sequential learning experiences that encompass art criticism, aesthetics, and production. Students continue to create works of art in clay utilizing the processes of hand building, molds, wheel throwing, slip and glaze techniques, and the firing processes. Students will be expected to develop a strong body of work while focusing on the principles of design, problem solving, and craftsmanship. Additionally, students will reflect upon the outcome of these experiences, explore cultural and historical connections, find direct correlation to other disciplines, and explore career options related to ceramics. Students will be exploring the ceramic arts in-depth and will be expected to create a body of high quality work. This class is a prerequisite for Ceramics 3. Ceramics 1 is a prerequisite for this class but may be taken in conjunction with Ceramics 2 as a senior if space permits. (This class is assessed a fee.)
Ceramics 3	650	1				X	648 and teacher permission	Ceramics 3 is a continuation of Ceramics 2. Students in Ceramics 3 engage in sequential learning experiences that encompass art criticism, aesthetics, and production. Students continue to create works of art in clay utilizing the processes of hand building, molds, wheel throwing, slip and glaze techniques, and the firing processes. Students will be expected to develop a strong body of work consisting of a minimum 16 pieces, while focusing on the principles of design, problem solving, and craftsmanship. Additionally, students will reflect upon the outcome of these experiences, explore cultural and historical connections, find direct correlation to other disciplines, and explore career options related to ceramics. This class is for the serious student as you will be expected to complete a large volume of high quality work that reflects artistic vision and voice. Ceramics 2 is a prerequisite. (This class is assessed a fee.)
Visual Art 2-- Intro to 3D / 2D	649	1		X	X	X	641 preferred	Introduction to 3D Art focuses on 3D design as used in sculpture, relief, and jewelry. Students create works of art out of, paper, metal, wire, plaster, found objects, and many other unusual mediums. 2 D will involve drawing, painting and photography. Students will engage in learning experiences that encompass art criticism, aesthetics, and production. Projects will focus on the principles of design, problem solving, and craftsmanship. Additionally, students will reflect upon the outcome of these experiences, explore cultural and historical

								connections, find direct correlation to other disciplines, and explore career options related to 2D/3D design. (This class is assessed a fee.)
AP Art History	646	1				X	641	The AP Art History course will engage students at the same level as an introductory college art history survey. Such a course involves critical thinking and should develop an understanding and knowledge of diverse historical and cultural contexts of architecture, sculpture, painting, and other media. It also provides an opportunity for schools to strengthen an area neglected in most curricula. In the course, students examine and critically analyze major forms of artistic expression from the past and the present from a variety of cultures. While visual analysis is a fundamental tool of the art historian, art history emphasizes understanding how and why works of art function in context, considering such issues as patronage, gender, and the functions and effects of works of art. Many colleges and universities offer free college credit to students who have performed successfully on the AP Art History Exam.

MUSIC

Course Name	Course Number	Credit	9 th	10 th	11 th	12 th	Prerequisite	Description
Concert Choir	651	1	X	X	X	X	None	This intermediate choir is open to anyone interested in developing their singing voice. Attention will be given to basic vocal production and sight reading. Two concerts will be performed throughout the year. (This class is assessed a fee.)
Concert Band	654	1	X					This class is required for all freshmen entering high school band that play on a woodwind or brass instrument. All Percussion must sign up for Percussion Ensemble (Which is the Band Class for percussion only). This class meets during the school day; however, there are after school rehearsals and concerts that are part of this course. Grades are based on individual and group performance. The focus of this class is to transition students from middle school band level to high school band.
Symphonic Band	653			X	X	X		This class is open to band students that have successfully completed Concert Band or the equivalent at another school. This ensemble will study advanced band literature and performing standards will be held at a high standard. Private lessons are not required, but highly recommended for students. The focus of this class will be to advance those skills learned in the first year of high school. This class meets during the school day; however, there are after school rehearsals and concerts that are part of this course.
Percussion Ensemble	657	1	X	X	X	X		This class is open to all students who play percussion instruments and would normally be in Concert Band or Symphonic Band. The focus of this class will be on performance of all percussion instruments and will focus on percussion rudiments. Students will perform alone and with others and will combine with both concert and symphonic bands for concerts. This class meets during the school day; however, there are after school rehearsals and concerts that are part of this course.
Advanced Individual Musicianship	659	1		X	X	X	Permission of director	This class is designed with the most serious music students in mind. Topics discussed in this class will include, but not be limited to: Music Theory, Aural Skills, Musical Careers, and Advanced Performance of Major Instrument. Students in the class are student that are preparing for All District or All State Auditions. This class is also perfect for Seniors hoping to audition for College and University Music Programs.
AP Music Theory	658	1			X	X	None	This is an advanced level music course. Students will work towards a deeper understanding of the various building blocks of music: harmony, melody, rhythm, meter, texture and form. Students develop music writing skills and improve musicianship through listening skills, sight-singing, and harmonization at the keyboard. The work is equivalent to a first year college music theory class and culminates with the AP exam. Student's ability to read and write musical notation is fundamental and must have adequate performance skills in either voice or instrument.

HUMANITIES

Three years of state approved Humanities curriculum in arts related classes is equivalent to a credit in Humanities. A Humanities credit can also be accomplished by completing two semesters of humanities on the OdysseyWare program offered by the district for students otherwise unable to meet the requirement.

<u>Course Name</u>	<u>Course Number</u>	<u>Credit</u>	<u>9th</u>	<u>10th</u>	<u>11th</u>	<u>12th</u>	<u>Prerequisite</u>	<u>Description</u>
History & Appreciation Of Visual & Performing Arts	521	1		X	X	X	None	This class will emphasize the beliefs, thoughts, and traditions of humankind as reflected in history, philosophy, religion, dance, music, theater, visual arts, and literature. The study of these subjects promotes an understanding of the connections among the arts and their historical and cultural contexts and fosters an examination of these common elements.
American Pop Culture	416	1				X	None	This elective course will address main facets of American popular culture during both the 20 th and 21 st centuries. Areas of analysis will include, but may not be limited to the following: Music, fashion, fads, entertainment, art, literature, sports, and dance. Historical perspective of various American time periods will also be addressed. Research, discussion, and primary source analysis will be emphasized and utilized.

OTHER

<u>Course Name</u>	<u>Course Number</u>	<u>Credit</u>	<u>9th</u>	<u>10th</u>	<u>11th</u>	<u>12th</u>	<u>Prerequisite</u>	<u>Description</u>
Community Internship	020	1				X	Approval through YSC	Students explore careers within the community based on their educational objectives. This is coordinated through the Youth Services Center.
Practicum	021	1				X	Approval through Guidance/Admin	Students explore working in the school setting. This may include answering phones, greeting visitors, filing, peer tutoring, assisting teachers, shelving books, assisting students, etc.
Discover College	026C	1			X	X	None	Students may enroll in WKU online courses or enroll in classes at OCTC. Tuition will be assessed.
College Readiness 11	033	1			X		PLAN scores	This course is designed to enable students to reach ACT benchmarks so they will be college ready and be able to transition into credit bearing college classes. This course targets students not meeting benchmarks but within 3 pts.
College Readiness 12	035	1				X	ACT scores	This course is designed to enable students to reach ACT benchmarks so they will be college ready and be able to transition into credit bearing college classes. This course targets students not meeting benchmarks.

Ohio County High School Career & Technical Courses

AGRICULTURE

Animal Science Pathway

Course Name	Course Number	Credit	9 th	10 th	11 th	12 th	Prerequisite	Description
Introduction To Agricultural Science And Technology	801	1	X	X	X	X	None	Introduces students to the various segments of the agriculture industry. Basic animal science, plant and land science, and agricultural mechanics skills will be introduced along with selection and planning of an agricultural experience program and related record keeping. Leadership will be provided through FFA. Computer applications will also be emphasized.
Equine Science	802	1		X	X	X	801	Equine Science develops scientific knowledge and skills pertaining to breed identification and selection, anatomy, physiology, nutrition, genetics and reproductive management, training principles, grooming, health disease control and sanitation practices. Content may be enhanced with appropriate computer applications. Leadership development will be provided through FFA. Each student is expected to have an agricultural experience program or be placed for job experience.
Small Animal Tech	803	1		X	X	X	801	A course that describes the theories, principles, and science of small animals, including pets, nutrition, health, reproduction, training, etc.
Veterinary Science	825	1		X	X	X	801	This course introduces students to the field of veterinary science. Major topics include veterinary terminology, safety, sanitation, anatomy/physiology, clinical exams, hospital procedures, parasitology, posology, laboratory techniques, nutrition, disease, office management, and animal management. Careers are also explored. Leadership development will be provided through FFA. Each student will be expected to have an agricultural experience program. This class is offered as dual credit through Murray State University for 11th & 12th graders. Registration and payment of \$100 tuition required for college credit.
Advanced Animal Science	820	1		X	X	X	801	This is a basic course in animal science including the importance and place of livestock in agriculture; types, market classes and grades of beef, sheep, poultry and swine; origin and characteristics of breeds; and the judging of beef, sheep and swine. Course will be web-based with instruction in agriculture classroom. This class is offered as 3 hours of dual credit for 11th-12th graders through Murray State University and is equivalent to AGR 100 (3 hrs). Course will be web-based with instruction in agriculture classroom. Registration and payment of \$100 tuition required for college credit.
Farm Management/Business	821	1			X	X	801	This course introduces the free enterprise system, the study of economic principles, risk management, business law, budgets, finance, recordkeeping, and careers in agribusiness. Basic skills will be developed to manage a farm or agribusiness. Material will include: managing production/inventory, equipment, credit and taxes, market analysis and developing a business/farm plan. Content may be enhanced with appropriate computer applications. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program.

Ag Sales & Employability Skills	819	1		X	X	X	801	Agricultural employability skills provides opportunities to develop skills in: job searching, preparing resumes, writing letters of application, job interviews, attitude at work, communicating effectively, human relations and accepting responsibilities. Content may be enhanced with appropriate computer applications. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program.
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Horticulture and Plant Systems Pathway

Course Name	Course Number	Credit	9 th	10 th	11 th	12 th	Prerequisite	Description
Introduction To Agricultural Science And Technology	801	1	X	X	X	X	None	Introduces students to the various segments of the agriculture industry. Basic animal science, plant and land science, and agricultural mechanics skills will be introduced along with selection and planning of an agricultural experience program and related record keeping. Leadership will be provided through FFA. Computer applications will also be emphasized.
Greenhouse Technology	809	1		X	X	X	801	This course introduces students to producing plants in a greenhouse environment and includes regulating the greenhouse environment, plant propagation including tissue culture, plant growth, structure and environment of plants for bed and container growing, and production cycles. Variety selection, fertilization, pest and disease control, and growth regulators will be stressed. Content may be enhanced by appropriate computer application.
Landscape & Turf Management	808	1		X	X	X	801	Description: A course that describes theories, principles and the science of Landscaping and Turf Management. Includes design and drawing, choosing plant materials, maintenance, marketing, etc.
Floral Design	826	1		X	X	X	801	Floriculture and floral design provides instruction to develop floral design techniques using silk, dried, and fresh flowers. Students will learn operation and management techniques of a florist business as well as identification, production and cultural maintenance practices of plants used in floral design and interior landscaping. Content may be enhanced by utilizing appropriate technology. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program. Students will supply the costs of materials for at least four arrangements.
Ag Sales & Employability Skills	819	1		X	X	X	801	Agricultural employability skills provides opportunities to develop skills in: job searching, preparing resumes, writing letters of application, job interviews, attitude at work, communicating effectively, human relations and accepting responsibilities. Content may be enhanced with appropriate computer applications. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program.

Farm Management/Business	821	1			X	X	801	This course introduces the free enterprise system, the study of economic principles, risk management, business law, budgets, finance, recordkeeping, and careers in agribusiness. Basic skills will be developed to manage a farm or agribusiness. Material will include: managing production/inventory, equipment, credit and taxes, market analysis and developing a business/farm plan. Content may be enhanced with appropriate computer applications. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program.
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Agricultural Power, Structural, Technical Systems

Course Name	Course Number	Credit	9 th	10 th	11 th	12 th	Prerequisite	Description
Introduction To Agricultural Science And Technology	801	1	X	X	X	X	None	Introduces students to the various segments of the agriculture industry. Basic animal science, plant and land science, and agricultural mechanics skills will be introduced along with selection and planning of an agricultural experience program and related record keeping. Leadership will be provided through FFA. Computer applications will also be emphasized.
Agriculture Construction Skills 1	804	1		X	X	X	801	This course prepares students to construct and maintain agricultural structures and equipment. It develops basic skills such as tool identification, plan interpretation, carpentry, welding, metal fabrication, plumbing, masonry, fencing, and the calculation of a bill of materials. Content may be enhanced with appropriate computer applications. Leadership development will be provided through FFA. Each student is expected to have an agricultural experience program.
Small Power Equipment	805	1			X	X	804	This course is designed to develop skills in maintenance, repair, and operation of equipment, small combustion-type engine and electric motors. Content may be enhanced with appropriate computer applications. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program.
Ag Power	806	1		X	X	X	801	Hands-on experience providing instruction in basic principles of power and machinery operation, maintenance, service and repair. Topics to be presented include internal combustion engine parts and operation, transmissions and electrical, fuel and hydraulic systems. This course will have computer enhancement when appropriate. Note: This course is offered every other year only.
Agricultural Structure & Design	807	1			X	X	806	A course that describes theories, principles, the application of design and construction of agriculture structures. Includes principles of carpentry, electricity, plumbing, reading blueprints, use and care of tools, safety, etc
Ag Sales & Employability Skills	819	1		X	X	X	801	Agricultural employability skills provides opportunities to develop skills in: job searching, preparing resumes, writing letters of application, job interviews, attitude at work, communicating effectively, human relations and accepting responsibilities. Content may be enhanced with appropriate computer applications. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program.

Farm Management/Business	821	1			X	X	801	This course introduces the free enterprise system, the study of economic principles, risk management, business law, budgets, finance, recordkeeping, and careers in agribusiness. Basic skills will be developed to manage a farm or agribusiness. Material will include: managing production/inventory, equipment, credit and taxes, market analysis and developing a business/farm plan. Content may be enhanced with appropriate computer applications. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program.
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All courses consist of related classroom instruction; laboratory experiences, and supervised agricultural experience programs. Each student enrolled must have a planned agricultural experience program that allows the student to put into practice skills learned in the classroom. Introduction to Agricultural Science and Technology is required as the first agriculture course.

FAMILY AND CONSUMER SCIENCES

Culinary Pathway

Course Name	Course Number	Credit	9 th	10 th	11 th	12 th	Prerequisite	Description
FACS Essentials (Lifeskills)	834	1	X	X	X	X	None	This comprehensive course provides an opportunity for acquiring basic life skills and allows students to select specific areas for concentrated study. Emphasis is on work and family, adolescent development, selection and care of clothing, consumer spending, housing choices, challenges of child rearing, and guidance in establishing relationships. Leadership development will be provided through the Family, Career and Community Leaders of America. All students will participate in FCCLA activities.
Foods & Nutrition	835	1		X	X	X	834	In Foods, students will examine and solve aspects of the following practical problems: recognizing influences of food choices, planning / selecting and assembling meals while meeting nutritional needs, buying food, choosing and using a recipe, using convenience foods, using and caring for kitchen equipment, using and storing foods, preparing foods, setting a table, serving foods, entertaining and preparing special occasion foods such as cake decorating, receptions and company meals. This is not a cook and eat everyday class. Lab privileges are earned with completion of academic work. (This class is assessed a fee.)
Culinary Arts 1	839	1			X	X	835 with B or higher	This advanced course allows students to increase competencies in a variety of food preparation techniques. Emphasis will be placed on food presentation, garnishing, menu planning and the skills necessary to prepare for a career in the culinary arts profession. Leadership development will be provided through the Family, Career and Community Leaders of America. A class fee is assessed. Students will be required to sit for industry certification exams.
Culinary Arts 2	841	1				X	839 with B or higher	This advanced course allows students to increase competencies in a variety of food preparation techniques. Emphasis will be placed on food presentation, garnishing, menu planning and the skills necessary to prepare for a career in the culinary arts profession. Leadership development will be provided through the Family, Career and Community Leaders of America. A class fee is assessed. Students will be required to sit for industry certification exams.

Fashion & Interior Design Pathway

Course Name	Course Number	Credit	9 th	10 th	11 th	12 th	Prerequisite	Description
FACS Essentials (Lifeskills)	834	1	X	X			None	This comprehensive course provides an opportunity for acquiring basic life skills and allows students to select specific areas for concentrated study. Emphasis is on work and family, adolescent development, selection and care of clothing, consumer spending, housing choices, challenges of child rearing, and guidance in establishing relationships. Leadership development will be provided through the Family, Career and Community Leaders of America. All students will participate in FCCLA activities.
Fashion and Interior Design 1	840	1		X	X	X	None	This course provides opportunities for students to develop career competencies in the fashion and/or interiors industry by applying information related to social, economic, and media influences. Students apply knowledge of design principles and processes through skill performance activities. Work experience will be explored and leadership development will be provided through Family, Career and Community Leaders of America.
Fashion and Interior Design 2	844	1			X	X	840	This course provides opportunities for students to develop career competencies in the fashion and/or interiors industry. Practical problems include advanced textile construction techniques, and/or the creation of floor plans using technological resources. Entrepreneurial opportunities will be explored. Application of skills will occur in a variety of work sites. Leadership development will be provided through the Family, Career, and Community Leaders of America.
Relationships / Money Skills	833/843	1			X	X	834	Relationships- This course assists students to develop self-understanding, understand others better, improve interpersonal skills both within and outside the family, be more considerate of other person's needs and property, and maintain mental and emotional wellness. Family Life education comprises a portion of this course, including dating and married relationships. Preparations for and the achievement of a successful marriage are emphasized. Leadership development will be provided through the Family, Career and Community Leaders of America. The Money Skills course is designed to prepare students to understand and use sound financial management skills and practices contributing to financial stability, improving the quality of life for individuals and families. Decision-making, problem solving, goal setting and using technology are integrated throughout the content. Leadership development will be provided through the Family, Career and Community Leaders of America.

Early Childhood Education Pathway

Course Name	Course Number	Credit	9 th	10 th	11 th	12 th	Prerequisite	Description
Parenting / Early Lifespan Development	832/842	1	X	X	X	X	None	<p>Parenting This course is designed to aid students in developing parenting and care giving skills that can be applied in a variety of situations. Major topics include becoming an informed parent, caring for a newborn, being an effective parent/caregiver and exploring career opportunities in care giving. Current issues involving children will be discussed throughout the class.</p> <p>Emphasis is placed on the study of prenatal care and childbirth. The "Real Care Baby" computerized dolls are a required project for student participation or an alternate project will be done.</p> <p>Leadership development will be provided through the FCCLA.</p> <p>Early Lifespan Development: This course addresses the practical problems related to understanding the types and stages of human growth and development, recognizing effects of heredity and environment on human growth and development, meeting the needs of exceptional children, promoting optimum growth and development in the infancy, toddler, and preschool stages. This course is a requirement to enroll in Child Development Services I.</p>
Child Development Services 1	837	2			X	X	832	<p>This course provides training for entry-level childcare workers for childcare centers, nurseries, preschools, kindergartens, elementary classrooms, and private homes. Child Development Services I is an in-depth study of child development and care including growth, and nutrition, health care activities for development and enrichment, discipline, and coping skills for everyday situations in life. Students will receive training and certification in CPR and First Aid. Resumes, cover letters and interview skills will be studied and practiced. This course provides classroom study and field-site experiences as students will work at the Family and Consumer Sciences Preschool, child care centers, preschools and/or elementary schools. This course is a good elective for students who may be interested in pursuing additional education in child care occupations and elementary education and is part of the Tech-Prep/ School-to-Work curriculum.</p>
Child Development Services 2	838	2				X	837	<p>Child Development Services II is a continuation of Child Development Services I and designed for students who wish to train for supervisory level positions or to further their education at the post secondary level in the area of childcare and development. Students gain in-depth work experiences in child care establishments, preschools, and elementary schools.</p>
FACS Essentials (Lifeskills)	834	1	X	X			None	<p>This comprehensive course provides an opportunity for acquiring basic life skills and allows students to select specific areas for concentrated study. Emphasis is on work and family, adolescent development, selection and care of clothing, consumer spending, housing choices, challenges of child rearing, and guidance in establishing relationships. Leadership development will be provided through the Family, Career and Community Leaders of America. All students will participate in FCCLA activities.</p>

GRAPHIC COMMUNICATIONS

<u>Course Name</u>	<u>Course Number</u>	<u>Credit</u>	<u>9th</u>	<u>10th</u>	<u>11th</u>	<u>12th</u>	<u>Prerequisite</u>	<u>Description</u>
Digital Literacy	910 (060112)	1	X	X	X	X	None	Students will use a computer and application software including word processing, presentation, database, spreadsheets, internet, and email to prepare elementary documents and reports. The impact of computers on society and ethical issues are presented.
Graphic Communications	993 (210133)	1		X	X	X	Digital Literacy	This is a project based program with activities in, but not limited to, computer design, digital imaging, document layout, multimedia, web site development, digital printing, offset printing, screen and sublimation printing processes, bindery, packaging technology.
Special Problems in Technology	994 (210111)	1			X	X	Graphic Comm	Students study in-depth a technology topic or issue. The experience will enable the student to gain a more comprehensive knowledge of a particular technological context.

ROTC

Army JROTC Level 1	550	1	X	X	X	X	None	Leadership Education Training 1 (LET 1) is a comprehensive program that introduces first year cadets to the JROTC program. LET 1 subjects include: Leadership, Physical Training, Drill and Ceremony, Citizenship and American History, Self Evaluation, and Unlocking Your Potential. This is a survey course that provides the cadets with an overview of the entire program. The classroom environment is very structured, and weekly uniform wear and military grooming standards are requirements. (1/2 credit may be given as PE)
Army JROTC Level 2	551	1		X	X	X	550	Leadership Education Training 2 (LET 2) builds on the skills developed during LET 1. LET 2 subjects include: Fitness and Wellness, First Aid, Map Reading and Geography, Foundations of the American Political System, and the U.S. Constitution. Students will apply leadership techniques learned during LET 1, and cadets may assist in the instruction of LET 1 students to further develop these skills. Weekly uniform wear and military grooming standards are requirements. Successful completion of LET 1 is a prerequisite. (1/2 credit may be given as Health)
Army JROTC Level 3	552	1			X	X	551	Leadership Education Training 3 (LET 3) builds on the skills developed during LETS 1 and 2. LET 3 subjects include: Foundations for Success, Citizenship, and College and Career Readiness, as well as practical application of leadership skills learned in previous LET levels. Cadets may assist in the instruction of LET 1 and LET 2 students, both to further develop leadership skills and promote mastery of subject matter. LET 3 cadets may serve in key leadership positions and assist in planning class projects. Weekly uniform wear and military grooming standards are requirements. Successful completion of LET 2 is a prerequisite.
Army JROTC Level 4	553	1				X	552	Leadership Education Training 4 (LET 4) builds on the skills developed during LETS 1 through 3. LET 4 subjects include: Service to Nation and the Community, Financial Planning, and Principles of Leadership, with special focus on applying leadership skills learned in previous LET levels. Cadets will assist in the instruction of students in LETS 1 through 3, both to further develop leadership skills and promote mastery of subject matter. LET 4 cadets will serve in senior leadership positions within the organization and will be responsible for the planning and execution of class projects, to include coordinating with civilian organizations and conducting logistics planning. Weekly uniform wear and military grooming standards are requirements. Successful completion of LET 3 is a prerequisite.

Non-Discriminatory Policy Statement

Students, their parents and employees of the Ohio County Board of Education, are hereby notified this school district does not discriminate on the basis of race, color, national origin, age, religion, marital status, gender, or disability in employment, educational programs, vocational programs or activities as set forth in Title IX, Title VI, Section 504 and ADA. Any person having inquiries concerning the Ohio County Board of Education's compliance with Title IX, Title VI, Section 504, and ADA are directed to contact Christy Nofsinger, Ohio County Board of Education, P. O. Box 70, 315 East Union Street, Hartford, KY 42347, 270-298-3249, who has been designated to coordinate the district's efforts to comply with Title IX, Title VI, and Section 504.

Ohio County Area Technology Center Courses

STUDENTS MUST COMPLETE/PASS 4 DIFFERENT COURSES/CREDITS IN A PATHWAY TO BE A COMPLETER AND EARN THE CAREER PATHWAY CERTIFICATE:

KY TECH DUAL CREDIT INFO:

High school students who enroll in dual credit courses at Ohio County ATC may be able to transfer those courses to Owensboro Community and Technical College into a postsecondary certificate, diploma or associate degree program – tuition free. Ohio County ATC courses may transfer for college credit, tuition free, to any KCTCS institution. A \$50 fee per semester may be charged by the community college to enroll in dual credit. See your ATC instructor or principal for more details. High school students do not have to pay any tuition or fees to attend Ohio County ATC classes.

AUTOMOTIVE TECHNOLOGY

Automotive Maintenance and Light Repair Technician Pathway

Course Name	Course Number	Credit	9 th	10 th	11 th	12 th	Prerequisite	Description
Auto Maintenance and Light Repair A	901 (470507)	1	X	X	X	X	None	These courses introduce the student to the principles, theories, and concepts of Automotive Technology, and include instruction in the maintenance and light repair of Engines, Brake Systems, Electrical/Electronic Systems, Suspension and Steering Systems, Automatic and Manual Transmission/Transaxles, and Engine Performance Systems. In all areas, appropriate theory, safety, and support instruction will be taught and required for performing each task, including proper care and cleaning of customers vehicles. The instruction will also include identification and use of appropriate tools and testing/measurement equipment required to accomplish certain tasks. The student will also receive the necessary training to locate and use current reference and training materials from accepted industry publications and resources, and demonstrate the ability to write work orders. All Tasks for the Automotive Maintenance and Light Repair Sections A, B, C, and D are listed in the Automotive Maintenance and Light Repair Section A Task List.
Auto Maintenance and Light Repair B	902 (470509)	1	X	X	X	X	None	These courses introduce the student to the principles, theories, and concepts of Automotive Technology, and include instruction in the maintenance and light repair of Engines, Brake Systems, Electrical/Electronic Systems, Suspension and Steering Systems, Automatic and Manual Transmission/Transaxles, and Engine Performance Systems. In all areas, appropriate theory, safety, and support instruction will be taught and required for performing each task, including proper care and cleaning of customers vehicles. The instruction will also include identification and use of appropriate tools and testing/measurement equipment required to accomplish certain tasks. The student will also receive the necessary training to locate and use current reference and training materials from accepted industry publications and resources, and demonstrate the ability to write work orders. All Tasks for the Automotive Maintenance and Light Repair Sections A, B, C, and D are listed in the Automotive Maintenance and Light Repair Section A Task List.

Auto Maintenance and Light Repair C	903 (470511)	1		X	X	X	None	These courses introduce the student to the principles, theories, and concepts of Automotive Technology, and include instruction in the maintenance and light repair of Engines, Brake Systems, Electrical/Electronic Systems, Suspension and Steering Systems, Automatic and Manual Transmission/Transaxles, and Engine Performance Systems. In all areas, appropriate theory, safety, and support instruction will be taught and required for performing each task, including proper care and cleaning of customers vehicles. The instruction will also include identification and use of appropriate tools and testing/measurement equipment required to accomplish certain tasks. The student will also receive the necessary training to locate and use current reference and training materials from accepted industry publications and resources, and demonstrate the ability to write work orders. All Tasks for the Automotive Maintenance and Light Repair Sections A, B, C, and D are listed in the Automotive Maintenance and Light Repair Section A Task List.
Auto Maintenance and Light Repair D	904 (470513)	1		X	X	X	None	These courses introduce the student to the principles, theories, and concepts of Automotive Technology, and include instruction in the maintenance and light repair of Engines, Brake Systems, Electrical/Electronic Systems, Suspension and Steering Systems, Automatic and Manual Transmission/Transaxles, and Engine Performance Systems. In all areas, appropriate theory, safety, and support instruction will be taught and required for performing each task, including proper care and cleaning of customers vehicles. The instruction will also include identification and use of appropriate tools and testing/measurement equipment required to accomplish certain tasks. The student will also receive the necessary training to locate and use current reference and training materials from accepted industry publications and resources, and demonstrate the ability to write work orders. All Tasks for the Automotive Maintenance and Light Repair Sections A, B, C, and D are listed in the Automotive Maintenance and Light Repair Section A Task List.
Auto Special Problems 1	905 (470577)	1			X	X	901, 902, 903, 904	These courses present the theory, component identification, operation, diagnosis, and the service and repair of Engines, Brake Systems, Electrical/Electronic Systems, Suspension and Steering Systems, Automatic and Manual Transmission/Transaxles, and Engine Performance Systems. In all areas, appropriate theory, safety, and support instruction will be taught and required for performing each task. The instruction will also include identification and use of appropriate tools and testing/measurement equipment required to accomplish certain tasks. The student will also locate and use current reference and training materials from accepted industry publications and resources, and write industry standard work orders. All tasks for Automobile Service Technology Sections A, B, C, and D are listed in AUT 182 Automobile Service Technology Section A
Auto Special Problems 2	906 (470578)	1			X	X	901, 902, 903, 904	These courses present the theory, component identification, operation, diagnosis, and the service and repair of Engines, Brake Systems, Electrical/Electronic Systems, Suspension and Steering Systems, Automatic and Manual Transmission/Transaxles, and Engine Performance Systems. In all areas, appropriate theory, safety, and support instruction will be taught and required for performing each task. The instruction will also include identification and use of appropriate tools and testing/measurement equipment required to accomplish certain tasks. The student will also locate and use current reference and training materials from accepted industry publications and resources, and write industry standard work orders. All tasks for Automobile Service Technology Sections A, B, C, and D are listed in AUT 182 Automobile Service Technology Section A
Auto Special Problems 3	907 (470579)	1			X	X	901, 902, 903, 904	These courses present the theory, component identification, operation, diagnosis, and the service and repair of Engines, Brake Systems, Electrical/Electronic Systems, Suspension and Steering Systems, Automatic and Manual Transmission/Transaxles, and Engine Performance Systems. In all areas, appropriate theory, safety, and support instruction will be taught and required for performing each task. The instruction will also include identification and use of appropriate tools and testing/measurement equipment required to accomplish certain

								tasks. The student will also locate and use current reference and training materials from accepted industry publications and resources, and write industry standard work orders. All tasks for Automobile Service Technology Sections A, B, C, and D are listed in AUT 182 Automobile Service Technology Section A
Auto Special Problems 4	908 (470584)	1			X	X	901, 902, 903, 904	These courses present the theory, component identification, operation, diagnosis, and the service and repair of Engines, Brake Systems, Electrical/Electronic Systems, Suspension and Steering Systems, Automatic and Manual Transmission/Transaxles, and Engine Performance Systems. In all areas, appropriate theory, safety, and support instruction will be taught and required for performing each task. The instruction will also include identification and use of appropriate tools and testing/measurement equipment required to accomplish certain tasks. The student will also locate and use current reference and training materials from accepted industry publications and resources, and write industry standard work orders. All tasks for Automobile Service Technology Sections A, B, C, and D are listed in AUT 182 Automobile Service Technology Section A
Co-Op (Auto)	909 (470501)	1-2				X	Permission of Instructor	Co-op provides supervised on-the-job work experience related to the student's educational objectives. Students who participate in the Cooperative Education program receive compensation for their work.

BUSINESS EDUCATION

Administrative Support Pathway

Course Name	Course Number	Credit	9 th	10 th	11 th	12 th	Prerequisite	Description
Digital Literacy	910 (060112)	1	X	X	X	X	None	Students will use a computer and application software including word processing, presentation, database, spreadsheets, internet, and email to prepare elementary documents and reports. The impact of computers on society and ethical issues are presented.
Business Principles & Applications	914 (060111)	1	X	X	X	X	None	This course establishes basic foundations for further study in business courses and provides essential information for making financial and economic decisions. Students learn about the fundamentals of the American free enterprise system and world economies; application of sound money management for personal and family finances; credit management; consumer rights and responsibilities; forms of business ownership; risk and insurance; and the importance of international trade. Leadership development will be provided through FBLA. Dual credit 3 hours college credit available (BUS100C); WKU Registration and payment of tuition required.
Accounting & Finance Foundations	912 (061122)	1		X	X	X	None	This course will provide an introduction to both areas of accounting and finance. Topics will include banking, credit, financial literacy, career exploration, spreadsheet usage, and technical writing. The accounting principles taught in this course are based on a double-entry system and include preparing bank reconciliations, payroll taxes, and financial statements. Detailed career exploration in the various fields of accounting will be available.

								Technical writing will be provided through IPAC business plan curriculum and exploration of case studies. Leadership development will be provided through FBLA.
Business Communications	913 (060155)	1		X	X	X	None	Business Communication is the study of written, oral, and electronic communication in a business environment. Emphasis is on writing letters, preparing and orally presenting business reports, using the telephone in business, electronic transfer of information, using business information resources, listening and interpreting, and developing business messages. Leadership development will be provided through FBLA. Dual credit 3 hours college credit available (COM145); WKU Registration and payment of tuition required.
Financial Literacy	911 (060170)	1		X	X	X	None	This course is designed to provide students with the knowledge and skills to manage one's financial resources effectively for lifetime financial security. Topics include economics, money in the economy, budgeting, credit, consumer rights, investments and retirement planning. Leadership development will be provided through FBLA. Dual credit 3 hours college credit available (FIN161); WKU Registration and payment of tuition required.
Business Law	921 (060121)	1		X	X	X	None	This course develops an understanding of legal rights and responsibilities in personal law and business law with applications applied to everyday roles as consumers, citizens, and workers. The student will have an understanding of the American legal system, courts/court procedures, criminal justice system, torts, the civil justice system, oral and written contracts, sales contracts and warranties, and consumer protection. Legal terminology is emphasized. Leadership development will be provided through FBLA.
Co-op (Bus. & Mkt.)	923 (060107)	1-2				X	Permission of Teacher.	Cooperative Education provides supervised on-the-job work experience related to the student's educational objectives. Students participating in the Cooperative Education program receive compensation for their work.

Business Management Pathway

Course Name	Course Number	Credit	9 th	10 th	11 th	12 th	Prerequisite	Description
Business Principles & Applications	914 (060111)	1	X	X	X	X	None	This course establishes basic foundations for further study in business courses and provides essential information for making financial and economic decisions. Students learn about the fundamentals of the American free enterprise system and world economies; application of sound money management for personal and family finances; credit management; consumer rights and responsibilities; forms of business ownership; risk and insurance; and the importance of international trade. Leadership development will be provided through FBLA. Dual credit 3 hours college credit available (BUS100C); WKU Registration and payment of tuition required.
Business Management	918 (060411)	1	X	X	X	X	None	This course emphasizes the skills needed for managing a business that involves the selection and supervision of employees including efficient use of time, personnel, facilities, and financial resources. Students will explore forms of business ownership;

								typical business organizational structure; product or service promotion in business; effective communications; human relations skills required in dealing with employees; and effective management strategies used in personnel, finance, production, marketing, and information processing. Leadership development will be provided through FBLA.
Accounting & Finance Foundations	912 (061122)	1		X	X	X	None	This course will provide an introduction to both areas of accounting and finance. Topics will include banking, credit, financial literacy, career exploration, spreadsheet usage, and technical writing. The accounting principles taught in this course are based on a double-entry system and include preparing bank reconciliations, payroll taxes, and financial statements. Detailed career exploration in the various fields of accounting will be available. Technical writing will be provided through IPAC business plan curriculum and exploration of case studies. Leadership development will be provided through FBLA.
Business Economics	992 (060511)	1				X	None	This course is designed to be a comprehensive study of economics which meets the economics requirement for graduation. It provides an in-depth study of how people produce, distribute, and consume goods and services. Economic terminology, theory, and a comparison of economic systems and policies are integral to the course. Simulations and/or actual work situations may be used to provide practical experience with various economic conditions. Leadership development will be provided through FBLA/DECA.
Digital Literacy	910 (060112)	1	X	X	X	X	None	Students will use a computer and application software including word processing, presentation, database, spreadsheets, internet, and email to prepare elementary documents and reports. The impact of computers on society and ethical issues are presented.
Financial Literacy	911 (060170)	1		X	X	X	None	This course is designed to provide students with the knowledge and skills to manage one's financial resources effectively for lifetime financial security. Topics include economics, money in the economy, budgeting, credit, consumer rights, investments and retirement planning. Leadership development will be provided through FBLA. Dual credit 3 hours college credit available (FIN161); WKU Registration and payment of tuition required.
Business Law	921 (060121)	1		X	X	X	None	This course develops an understanding of legal rights and responsibilities in personal law and business law with applications applied to everyday roles as consumers, citizens, and workers. The student will have an understanding of the American legal system, courts/court procedures, criminal justice system, torts, the civil justice system, oral and written contracts, sales contracts and warranties, and consumer protection. Legal terminology is emphasized. Leadership development will be provided through FBLA.
Co-op (Bus. & Mkt.)	923 (060107)	1-2				X	Permission of Teacher.	Cooperative Education provides supervised on-the-job work experience related to the student's educational objectives. Students participating in the Cooperative Education program receive compensation for their work.

COMPUTERIZED MANUFACTURING AND MACHINING TECHNOLOGY

Machinist Operator Pathway

Course Name	Course Number	Credit	9 th	10 th	11 th	12 th	Prerequisite	Description
Fundamentals of Machine Tool A	955 (470913)	1	X	X	X	X	None	This course provides the basic principles needed for a solid foundation in machine tool technology. Areas and machines covered include shop safety, bench work, drill press, power saw, measurement, mills, and lathes
Fundamentals of Machine Tool B	956 (470914)	1		X	X	X	None	This course provides intermediate skill development in machine tool technology. The course builds on basic skills developed in Machine Tool A, especially in the calculation of safe cutting speed and feed rates for the drill press, power saw, mills, and lathes. Shop safety, bench work and precision measurement are also emphasized.
Applied Machining 1	959 (470911)	1		X	X	X	None	Consists of intermediate level skills using machining machines and surface grinders. It will include the selection of grinding wheels. Applications in milling, lathe, bench work, and utilizing gauge blocks and the sine bar are covered in this course. Surface grinding and abrasives are introduced and properties of metals are discussed.
Manual Programming	957 (470915)	1		X	X	X	None	This course introduces the student to CNC format and the Cartesian Coordinate System. It also introduces the student to CNC codes and programming, set-up and operation of CNC machine tools. The student will utilize process planning and manual programming for CNC equipment. The student will load a CNC program and set tool and work offsets.
Applied Machining 2	960 (470912)	1			X	X	955 or 956	Carries the student to higher levels in the operation of machine tools. Applications in milling, lathe, bench work, and utilizing gauge blocks and the sine bar are covered in this course. Surface grinding and abrasives are introduced, and properties of metals are discussed.
Blueprint Reading for Machinist	962 (470921)	1			X	X	955 or 956	Provides the student with a beginning and advanced series of lectures, demonstrations, and practice exercise in the study of prints. Safety will be emphasized as an integral part of this course.
Metrology/Mechanical Blueprint Reading	961 (470928) (470922)	1			X	X	955 or 956	Provides the basic principles in using precision measurement instruments and their application to inspection and quality control. Basic applied math, lines, multi-view drawings, symbols, various schematics and diagrams, dimensioning techniques, sectional views, auxiliary views, threads and fasteners, and sketching typical to all shop drawings are presented. Safety will be emphasized as an integral part of the course.
Co-op (Machine Tool)	963 (470929)	1-2				X	Permission of Instructor	Cooperative Education provides supervised on-the-job work experience related to the student's educational objectives. Students participating in the Cooperative Education program receive compensation for their work.

Computer Numerical Control (CNC) Operator Pathway

Course Name	Course Number	Credit	9 th	10 th	11 th	12 th	Prerequisite	Description
Fundamentals of Machine Tool A	955 (470913)	1	X	X	X	X	None	This course provides the basic principles needed for a solid foundation in machine tool technology. Areas and machines covered include shop safety, bench work, drill press, power saw, measurement, mills, and lathes
Fundamentals of Machine Tool B	956 (470914)	1		X	X	X	None	This course provides intermediate skill development in machine tool technology. The course builds on basic skills developed in Machine Tool A, especially in the calculation

								of safe cutting speed and feed rates for the drill press, power saw, mills, and lathes. Shop safety, bench work and precision measurement are also emphasized.
Manual Programming	957 (470915)	1		X	X	X	None	This course introduces the student to CNC format and the Cartesian Coordinate System. It also introduces the student to CNC codes and programming, set-up and operation of CNC machine tools. The student will utilize process planning and manual programming for CNC equipment. The student will load a CNC program and set tool and work offsets.
CAD/CAM/CNC	958 (470925)	1		X	X	X	None	This course introduces the student to CAD/CAM/CNC systems which includes CAM software. The student will utilize process planning, manual programming and CAD/CAM for CNC equipment. This student will load a CNC program and set tool and work offsets, and machine part.
Co-op (Machine Tool)	963 (470929)	1-2				X	Permission of Instructor	Cooperative Education provides supervised on-the-job work experience related to the student's educational objectives. Students participating in the Cooperative Education program receive compensation for their work.

CONSTRUCTION CARPENTRY TECHNOLOGY

Residential Carpenter Assistant Pathway

Course Name	Course Number	Credit	9 th	10 th	11 th	12 th	Prerequisite	Description
Introduction to Construction Technology	924 (460201)	1	X	X	X	X	None	This course emphasizes the types, grades, sizes, and standards of building materials including the types of fasteners and their correct uses. Students will also learn to correctly utilize and maintain commonly used hand and power tools. Safety in the lab and on the job site is stressed.
Floor & Wall Framing	925 (460212)	1		X	X	X	924	The student will practice floor framing, layout, and construction of floor frames. Cutting and installing floor and wall framing members according to plans and specifications will also be practiced.
Ceiling & Roof Framing	928 (460213)	1		X	X	X	924	This course covers roof types and combinations of roof types used in the construction industry. The emphasis of this course is on layout, cutting and installing ceiling joists, rafters, roof decking, and roof coverings.
Exterior & Interior Finishing	929 (460219)	1		X	X	X	924	This course presents basic concepts of building trim, gypsum wallboard, paneling, base, ceiling and wall molding with instruction on acoustical ceilings and insulation, wood floors, tile, inlaid adhesive and tools of the flooring trade. This course will continue to refine the techniques and skills taught in the previous carpentry courses. In this course, cost control, speed, and precision are emphasized. In addition, students will perfect the skills associated with the exterior finishing of a house.
Site Layout & Foundations	926 (460214)	1		X	X	X	924	Students will prepare materials; calculate the cost for a building site, and layout a site with a transit, locating property lines and corners. Students calculate the amount of concrete needed for footing and foundation walls and construct different types of foundations and forms.
Co-op (Carpentry)	931 (460242)	1-2				X	Permission of Instructor	Co-op provides supervised on-the-job work experience related to the student's educational objectives. Students participating in the Co-op Education program receive compensation for their work.

ELECTRICAL TECHNOLOGY

Electrician Assistant Pathway

Course Name	Course Number	Credit	9 th	10 th	11 th	12 th	Prerequisite	Description
Electrical Construction 1	938 (460312)	1	X	X	X	X	None	Involves the study of materials and procedures used in construction wiring.
Electrical Construction 2	936 (460313)	1		X	X	X		Expands the knowledge and skills needed to work in commercial and industrial construction wiring.
Circuits 1	933 (460316)	1		X	X	X		Introduction to basic theory of DC and AC circuits, including circuit analysis techniques, introductory magnetism, and transformer principles.
Circuits 2	939 (460319)	1			X	X		Complex alternating current and direct current circuits. Emphasis is on impedance, reactance, power and electrical energy, electrical measurement instruments, and circuit analysis.
Industrial Safety/National Electric Code	980 (499930) (460339)	1			X	X		This course provides practical training in industrial safety. The students are taught to observe general safety rules and regulations, to apply work site and shop safety rules, and to apply OSHA regulations. Emphasizes the importance of the National Electrical Code as it applies to electrical installations.
Co-op (Electrical)	940 (460345)	1-2				X	Permission of Instructor	Co-op provides supervised on-the-job work experience related to the student's educational objectives. Students participating in the Co-op Education program receive compensation for their work.

Industrial Electrician Assistant Pathway

Course Name	Course Number	Credit	9 th	10 th	11 th	12 th	Prerequisite	Description
Electrical Construction 1	938 (460312)	1	X	X	X	X	None	Involves the study of materials and procedures used in construction wiring.
Electrical Construction 2	936 (460313)	1		X	X	X		Expands the knowledge and skills needed to work in commercial and industrial construction wiring.
Circuits 1	933 (460316)	1		X	X	X		Introduction to basic theory of DC and AC circuits, including circuit analysis techniques, introductory magnetism, and transformer principles.
Electrical Motor Controls	935 (460331)	1			X	X		This course addresses the diversity of control devices and applications used in industry today. Safety and electrical lockouts are also included.

HEALTH SCIENCES

Pre-Nursing Pathway

Upon successful completion of this program and the required hours of clinical experience, the student is eligible for the KY Medicaid Nurse's Aide (MNA) written and performance examination. The State Registered Nursing Assistant (SRNA) license is required for admission all KCTCS nursing programs and many other nursing programs in the Commonwealth of Kentucky.

Course Name	Course Number	Credit	9 th	10 th	11 th	12 th	Prerequisite	Description
Principles of Health Science	941 (170111)	1	X	X	X	X	None	Principles of Health Science is an orientation and foundation for occupations and functions in any health care profession. The course includes broad healthcare core standards that specify the knowledge and skills needed by the vast majority of healthcare workers. The course focuses on exploring health career options, history of health care, ethical and legal responsibilities, leadership development, safety concepts, health care systems and processes and basic health care industry skills. This introductory course may be a prerequisite for additional courses in the Health Science program.
Medical Terminology/Emergency Procedures	942 (170131) (170141)	1		X	X	X	None	A course designed to develop a working knowledge of language in all health science major areas. Students acquire word-building skills by learning prefixes, suffixes, roots and abbreviations. Students will learn correct pronunciation, spelling and application rules. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances the student's ability to successfully secure employment or pursue advanced education in health care. This course will focus on potential emergency situations. It is designed to promote an understanding of standard precautions necessary for personal and professional health maintenance and infection control. Upon successful completion of the course, the student will demonstrate the necessary skills in First Aid and Cardiopulmonary Resuscitation (CPR) and will be given the opportunity to take the completion examination as outlined by the sponsoring agency.
Medicaid Nurse Aide	943 (170631)	2				X	941, 942 or approval of instructor	An instructional program that prepares individuals to perform routine nursing-related services to patients in hospitals or long-term care facilities, under the training and supervision of an approved registered nurse. State Registry is available upon successful completion of state written and performance examination. Prior to offering this course, the instructor and health science program must be approved for meeting state requirements set by the Cabinet for Health and Family Services.
Health Sciences Internship	944 (170521)	1				X	Teacher approval and enrolled in Medicaid Nurse Aide class.	This is a non-paid independent clinical internship of a health career of your choice: areas such as physical therapy, x-ray, nursing, veterinary clinics and other health career areas is an excellent opportunity to explore a career. The student will gain valuable work experiences and the appropriate observation hours needed for admission to some of the health career programs. There is limited classroom experience; to be successful a student must be self-motivated.

Co-op (Health)	945 (170601)	1-2					X	Teacher approval and enrolled in Medicaid Nurse Aide class.	Cooperative Education provides supervised on-the-job work experience related to the students' education objectives. Students participating in the Cooperative Education program receive compensation for their work.
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Emergency Medical Technician Pathway

Course Name	Course Number	Credit	9 th	10 th	11 th	12 th	Prerequisite	Description
Principles of Health Science	941 (170111)	1	X	X	X	X	None	Principles of Health Science is an orientation and foundation for occupations and functions in any health care profession. The course includes broad healthcare core standards that specify the knowledge and skills needed by the vast majority of healthcare workers. The course focuses on exploring health career options, history of health care, ethical and legal responsibilities, leadership development, safety concepts, health care systems and processes and basic health care industry skills. This introductory course may be a prerequisite for additional courses in the Health Science program.
Medical Terminology/ Emergency Procedures	942 (170131) (170141)	1		X	X	X	None	A course designed to develop a working knowledge of language in all health science major areas. Students acquire word-building skills by learning prefixes, suffixes, roots and abbreviations. Students will learn correct pronunciation, spelling and application rules. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances the student's ability to successfully secure employment or pursue advanced education in health care. This course will focus on potential emergency situations. It is designed to promote an understanding of standard precautions necessary for personal and professional health maintenance and infection control. Upon successful completion of the course, the student will demonstrate the necessary skills in First Aid and Cardiopulmonary Resuscitation (CPR) and will be given the opportunity to take the completion examination as outlined by the sponsoring agency.
Emergency Medical Technician	1001 (461022)	1			X	X	941,942, Approval of Instructor, 2.5 or above GPA, 17+ ACT	This basic Emergency Medical Technician course covers all knowledge aspects of trauma care as outlined by national standards, created by federal guidelines, considered to be the responsibilities of ambulance operations. Training involves typical anatomy; patient assessment; care for respiratory and cardiac emergencies; control of bleeding; application of dressing; treatment for traumatic shock; care for fractures, sprains, strains; emergency child birth, burns ; environmental emergencies; vehicle rescue; transportation of patients and operations of ambulance systems.
EMS Training	1000 (461023)	1			X	X	941,942, Approval of Instructor, 2.5 or above GPA, 17+ ACT	Public Service Program that provides instruction in Emergency Medicine.

INFORMATION TECHNOLOGY

Information Support and Services Pathway

Course Name	Course Number	Credit	9 th	10 th	11 th	12 th	Prerequisite	Description
Computer Literacy	953 (110110)	1	X	X	X	X	None	Introduces students to the main components of computer literacy including Computer Fundamentals, Key Applications and Living Online. Provides an introduction to the computer and the convergence of technology as used in today's global environment. Introduces topics including computer hardware and software, file management, the Internet, e-mail, the social web, green computing, security and computer ethics. Presents basic use of application, programming, systems and utility software. Basic keyboarding skills are strongly recommended.
Computer Hardware and Software Maintenance	949 (110101)	1	X	X	X	X	None	Focuses on the design of computing systems, including instruction in the principles of computer hardware and software components, algorithms data basis, telecommunications, etc. Includes the knowledge to identify and explain PC components, setup a basic PC workstation, conduct basic software installation, identify compatibility issues and recognize/prevent basic security risks and also gives knowledge in the areas of Green IT and preventative maintenance of computers.
Help Desk Operations	947 (110102)	1		X	X	X	None	Introduces a variety of tools and techniques to provide user support in help desk operations. Explores help desk concepts, customer service skills, troubleshooting problems, writing for end users, help desk operations and software, needs analysis, facilities management, and other topics related to end user support.
Internet Technologies	948T (110917)	1		X	X	X	953, 949, 947	Provides students with a study of traditional and emerging Internet technologies. Covers topics including Internet fundamentals, Internet applications, Internet delivery systems, and Internet client/server computing. Provides a hands on experience and some programming in an Internet environment.
Info Tech Internship	952 (110919)	1			X	X	Approval of Instructor	The Internship provides supervised on-the-job work experience related to the student's educational objectives. Students participating in the internship do not receive compensation.
Co-op (Info Tech)	954 (110918)	1-2				X	Approval of Instructor	Cooperative Education provides supervised on-the-job work experience related to the student's educational objectives. Students participating in the Cooperative Education program receive compensation for their work.

Web Development and Administration Pathway

Course Name	Course Number	Credit	9 th	10 th	11 th	12 th	Prerequisite	Description
Computer Literacy	953 (110110)	1	X	X	X	X	None	Introduces students to the main components of computer literacy including Computer Fundamentals, Key Applications and Living Online. Provides an introduction to the computer and the convergence of technology as used in today's global environment. Introduces topics including computer hardware and software, file management, the Internet, e-mail, the social web, green computing, security and computer ethics. Presents basic use of application, programming, systems and utility software. Basic keyboarding skills are strongly recommended.

Web Page Development	946 (110801)	1	X	X	X	X	None	Web Page Design using HTML will be introduced. Creating web documents using a simple text editor will be the main focus. How to use a simple web editor will also be covered. Features such as layout, tables, images, forms, frames and the incorporation of sound and video will be explored. Developing site specifications and methods to increase the appeal and effectiveness of web sites are included. How to prepare web documents appropriate for use in business and professional web sites will be covered. Also, this course introduces CSS and emphasizes W3C web design and accessibility standards.
Website Design & Production	950 (110804)	1		X	X	X	None	This course gives the student an experience with advanced topics in planning and implementing a professional web site. Emerging technologies will be explored in creating interactive web pages that incorporate cascading style sheets, DHTML, JavaScript and multimedia and graphics. Designing for a cross-browser web site and different monitor resolutions should be covered. Introduces web site production processes with emphasis on design involving layout, navigation, interactivity and using web production software.
Internet Technologies	948T (110917)	1		X	X	X	953, 946, 950	Provides students with a study of traditional and emerging Internet technologies. Covers topics including Internet fundamentals, Internet applications, Internet delivery systems, and Internet client/server computing. Provides a hands on experience and some programming in an Internet environment.
Info Tech Internship	952 (110919)	1			X	X	Approval of Instructor	The Internship provides supervised on-the-job work experience related to the student's educational objectives. Students participating in the internship do not receive compensation.
Co-op (Info Tech)	954 (110918)	1-2				X	Approval of Instructor	Cooperative Education provides supervised on-the-job work experience related to the student's educational objectives. Students participating in the Cooperative Education program receive compensation for their work.

WELDING TECHNOLOGY

Welder – Entry Level Pathway

Course Name	Course Number	Credit	9 th	10 th	11 th	12 th	Prerequisite	Description
Shield Metal Arc Welding	964 (480521)	1	X	X	X	X	None	Teaches students the identification, inspection, and maintenance of SMAW electrodes; principles of SMAW; the effects of variables on the SMAW process to weld plate and pipe; and metallurgy.
Oxy-Fuel Systems	965 (480523)	1		X	X	X	None	A working knowledge of: oxy-fuel identification, set-up, inspection, and maintenance; consumable identification, selection and care; principles of operation; and effects of variables for manual and mechanized oxy-fuel cutting, welding, brazing principles and practice, and metallurgy. Shop safety and equipment use are also covered.
Blueprint Reading for Welding	968 (480505)	1		X	X	X	None	Provides a study of occupationally specific prints for welders. Advanced study of multi-view drawings, assembly drawings, datum dimensions, numerical control drawings, sheet metal prints, castings and forgings, instrumentation and control charts and diagrams, working drawings, geometric dimensioning and tolerancing and use of reference materials and books are included. Occupational specifics including welding drawings, symbols, joint types, grooves, pipe welding symbols, testing symbols, and specification interpretations are stressed.
Gas Metal Arc Welding	966 (480522)	1			X	X	964,965,968	Identification, inspection, and maintenance of GMAW machines; identification, selection and storage of GMAW electrodes; principles of GMAW; and the effects of variables on the GMAW process. Theory and applications of related processes such as FCAW and SAW and metallurgy are also included.

Gas Tungsten Arc Welding	971 (480525)	1			X	X	964,965,968	Identification, inspection, and maintenance of GTAW machines; identification, selection and storage of GTAW electrodes; principles of GTAW; the effects of variables on the GTAW process; and metallurgy. This course also teaches the theory and application of Plasma Arc Cutting.
SMAW Groove Welds with Backing Lab	969 (480528)	1			X	X	964,965,968	Provides experiences in which students acquire the manipulative skills to do groove welds in all positions with backing.
GMAW Groove Lab	970 (480533)	1			X	X	964,965,968	Teaches the method of operation and application of the Gas Metal Arc Welding process for welding groove welds in both ferrous and non-ferrous plate in all positions using both short circuiting and spray transfer where appropriate.
Co-op (Welding)	972 (480541)	1-2				X	Permission of Instructor	Cooperative Education provides supervised on-the-job work experience related to the students' educational objectives. Students participating in the Cooperative Education program receive compensation for their work.