

# Curriculum Guide

2015-2016



Bowling Green High School

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## **GENERAL INFORMATION**

### **REGISTRATION ORIENTATION**

The curriculum guide will be available to students and parents on the guidance website. All registration is to be completed on the computer prior to the individual session with the counselor. It is strongly recommended that students talk with guidance counselors, teachers and parents about course selections. Each student will be required to register for a full course load, which consists of six (6) credits per year (with optional EXCEL period). BGHS does not participate in an early graduation program. Students must complete eight (8) semesters of high school in order to receive a diploma. The MASTER SCHEDULE is developed each year based on the survey of student need and staffing.

### **SCHEDULE CHANGES**

No schedule will be changed after two weeks into a semester unless one of the following conditions exists:

1. To make up a required course which has been failed
2. To add a graduation requirement for seniors
3. To correct duplication of a course
4. To correct inappropriate placement of a student

### **PROMOTION REQUIREMENTS**

Students are promoted on the basis of Carnegie units of work earned at each grade level.

Promoted to 09th grade.....	must have passed eighth grade
Promoted to 10th grade.....	must have passed five (5) credits
Promoted to 11th grade.....	must have passed ten (10) credits
Promoted to 12th grade.....	must have passed fifteen (15) credits

### **OUT OF SCHOOL CREDIT**

A maximum of two (2) credits may be earned through correspondence courses or the Kentucky Virtual High School or through other approved high school programs. Permission for these classes must be granted by the Guidance Counselor. Any senior taking a correspondence credit for graduation must have all work completed and grade reported to the guidance counselor no later than MAY 1. All required English classes must be taken at Bowling Green High School.

### **APEX RECOVERY PROGRAM**

Students who have failed a course and need to recover that credit, may be enrolled in this computer based program.

### **GRADE POINT AVERAGE / CLASS RANK**

Rank in class is determined by the numerical average of all courses. In order to satisfy college entrance standards, each student will also receive a decimal grade point average based on a 4.0 scale with the following values assigned: A=4, B=3, C=2, D=1, F=0.

### **GRADE REPORTING**

Students will receive four grade reports each year, one at the end of each quarter. Each quarter a Progress Report will be distributed to students near the mid-point of the quarter. Grade averages, including class rank and GPA, will be posted on the student's transcript at the end of each school year.

### **HONOR ROLL**

The Honor Roll is published at the end of each quarter in the local newspaper. To be eligible, a student must have no grade lower than a "B" or 80% for the quarter.

## **HONOR GRADUATES**

Any senior earning a final GPA of 3.6 or higher will be considered an honor graduate. These students will be recognized at graduation exercises.

## **FOREIGN EXCHANGE STUDENTS**

Exchange students do not graduate from Bowling Green High School; they are enrolled as a junior. Principal approval must be obtained by the sponsoring agency by June 1 before the school year begins.

## **STUDENTS ENTERING FROM HOME SCHOOL PROGRAMS**

Students entering from a home school environment will be required to provide documentation of the program they completed. Students will be given credit for verified course work but no grades will be recorded on the student's transcript.

## **KENTUCKY EDUCATIONAL EXCELLENCE SCHOLARSHIP (KEES)**

The Kentucky Educational Excellence Scholarships are offered to graduating seniors who will attend a Kentucky college, university or technical school. Amounts are determined by the state based on a student's GPA from each year of high school. A bonus is offered for a 15 or better on the ACT. It is the student's responsibility to make sure that his / her correct social security number is on file with Bowling Green High School.

Beginning with the 2012-13 school year, regulatory changes to the KEES curriculum requirement will take effect, limiting the number of co-operative (co-op) education credits that can count toward meeting the requirement to one course per academic year. Students choosing to participate in the co-op courses will need to take at least four other courses to meet the five-course minimum and earn a KEES award.

It is important to note, however, that as long as graduation requirements are completed at a certified Kentucky high school, students will remain eligible for any KEES awards earned during prior academic years, including their bonus awards from taking the ACT / SAT and, if applicable, Advanced Placement and / or International Baccalaureate exams. The intent is not to penalize students who wish to participate in a co-op program, but rather motivate students to remain engaged in a rigorous academic curriculum throughout their senior year.

Contact KEES at 1-800-928-8926 or [www.kheaa.com](http://www.kheaa.com).

## **YOUR RESPONSIBILITY AS A PROSPECTIVE COLLEGE STUDENT / ATHLETE**

Prospective Division I, Division II or Division III Athletes, must register with the NCAA Initial-Eligibility Clearinghouse. Standards are constantly changing, and it is the student's responsibility to ascertain that he/she meets NCAA requirements. The clearinghouse recommends that all student contact be made via their website, [www.ncaaeligibilitycenter.org](http://www.ncaaeligibilitycenter.org), the cost is \$75.00.

Prospective NAIA Athletes must register with the NAIA eligibility center at [www.playnaia.org](http://www.playnaia.org), the cost is \$70.00. Fee waivers are available, see your counselor.

# COLLEGE CREDIT COURSES AND PROGRAMS

## ADVANCED PLACEMENT PROGRAM

Advanced Placement offerings are:

Art	Biology	Calculus AB / BC	Chemistry
Computer Science A	English Language & Comp	English Literature & Comp	Environmental Science
Comparative Govt & Poli	European History	French Language	Government & Politics: US
German Language	Human Geography	Music Theory	Physics 1 & 2
Psychology	Spanish Language	Statistics	US History
World History			

Students in these classes have the opportunity to earn high school and can earn college credit if they elect to take the national exams given in May of each year and score high enough to qualify. These courses are highly recommended for students planning to attend college. Grades for all AP courses will be adjusted +3 points on the semester average. Students enrolled in the Pre-AP courses will receive +2 points on the semester average.

## DUAL-CREDIT COURSE OFFERINGS WITH WESTERN KENTUCKY UNIVERSITY

COURSE NAME BGHS	COURSE NAME WKU	COLLEGE CREDIT	GENERAL EDUCATION CATEGORY	COST AS A DUAL-CREDIT COURSE	COST FOR DUAL-CREDIT COURSE TEXTBOOK	APPROXIMATE COST AS A WKU COURSE ON CAMPUS
HY120 World Civilization since 1648 (450)	History 120	3 hours	Social & Behavioral Science - either HY119 or HY120 is REQUIRED	\$210.00	NO CHARGE BGHS will provide textbook	\$1090.26 PLUS textbook
Math 116-College Algebra (230)	Math 116	3 hours	Natural Sciences - Mathematics - at least 3 hours required in Math	\$210.00	NO CHARGE BGHS will provide textbook	\$1090.26 PLUS textbook
WKU Spanish 102	Spanish 102 Spanish III	3 hours	Category A II General Education	\$210.00	NO CHARGE BGHS will provide textbook	\$1090.26 PLUS textbook
WKU German 102	German 102 German III/IV	3 hours	Category A II General Education	\$210.00	NO CHARGE BGHS will provide textbook	\$1090.26 PLUS textbook
Chemistry Pre-AP	Chemistry 105-106	4 hours	Natural Sciences - Mathematics - a total of 9 hours is required with 3 coming from Math. May also count for Agriculture or Nursing requirements	\$230.00	NO CHARGE BGHS will provide textbook	\$1453.68 PLUS textbook
Personal Finance	FIN161 Personal Finance	3 hours	Business	\$210.00	NO CHARGE BGHS will provide textbook	\$1090.26 PLUS textbook

## DUAL-CREDIT COURSE OFFERINGS WITH SOUTH CENTRAL KENTUCKY COMMUNITY & TECHNICAL COLLEGE

COURSE NAME: BGHS	COLLEGE CREDIT	GENERAL EDUCATION CATEGORY	COST AS A DUAL-CREDIT COURSE	COST FOR DUAL-CREDIT COURSE TEXTBOOK	APPROXIMATE COST AS A BGTC COURSE ON CAMPUS
MEDICAL TERMINOLOGY	3 hours	Technical Education	\$50	NO CHARGE BGHS will provide textbook	\$720.00 PLUS textbook

# GRADUATION REQUIREMENTS

**Individual Learning Plan (ILP):** Each student shall successfully complete a program that emphasizes career plans and courses a student intends to take.

## BOWLING GREEN HIGH SCHOOL DIPLOMA REQUIREMENTS:

Students at Bowling Green High School may choose from two diploma choices issued by the Bowling Green Independent Schools Board of Education.

DEPARTMENT	MERIT DIPLOMA (22 credits minimum required)	COMPREHENSIVE DIPLOMA (24 credits minimum required)
ENGLISH	4 credits (English I, II, III, IV)	4 credits (English I, II, III, IV)
SCIENCE	3 credits (any three science classes)	3 credits (Biology plus two additional upper-level science courses)
MATHEMATICS	3 credits (Algebra I, Algebra II, Geometry and one elective)	3 credits (Algebra I, Algebra II, Geometry and one elective)
SOCIAL STUDIES	3 credits (US History, World Civilization and Political Science)	3 credits (US History, World Civilization and Political Science)
PHYSICAL EDUCATION	1 credit (Health ½ credit and Physical Ed ½ credit)	1 credit (Health ½ credit and Physical Ed ½ credit)
HUMANITIES	Embedded in curriculum or by passing Band, Choir or Art	Embedded in curriculum or by passing Band, Choir or Art
WORLD LANGUAGES		Two credits from the same language
ELECTIVES	8 credits minimum	8 credits minimum

**Students are required to take one mathematics course each year of high school.**



## PRE-COLLEGE CURRICULUM (PCC)

**Kentucky Council on Postsecondary Education – (total 17 required credits, 5 elective credits)**

First-time freshman under age 21 enrolling in a four-year degree program at a Kentucky public university must complete the PCC. Students who transfer to a four-year degree program or convert to baccalaureate status with fewer than 24 semester credit hours may be subject to PCC requirements.

ENGLISH/LANGUAGE ARTS	4 credits required	English I, II, III, IV (or AP English)
MATHEMATICS	3 credits required	Algebra I, Algebra II, Geometry
SCIENCE	3 credits required	To include Life Science, Physical Science and Earth / Space Science (at least one lab course)
SOCIAL STUDIES	3 credits required	U.S. History, Economics, Government, World Geography and World Civilization
HEALTH	½ credit required	Health
PHYSICAL EDUCATION	½ credit required	Physical Education
HISTORY/APPRECIATION OF VISUAL/PERFORMING ARTS	1 credit required	History / Appreciation of Visual / Performing Arts or another course that incorporates such content
WORLD LANGUAGES	2 credits required	or demonstrated competency
ELECTIVES	5 credits required (3 rigorous)	Recommended strongly: 1 or more courses that develop computer literacy

# ART DEPARTMENT

**COURSE:** 502 - BASIC DESIGN & DRAWING

**GRADE:** 9-12

**CREDIT:** 1

**PREREQUISITE:** NONE (Introductory Class)

Basic Design & Drawing is a four-part introductory level art studio. **Part one (Basic Design):** students will learn basic fundamentals and processes of design including a variety of in-depth assignments which explore visual elements and design principles. **Part two (Life Drawing):** students will learn basic fundamentals and processes involved with drawing from life. Projects include but are not limited to: still life drawing, portraiture, and figure drawing. **Part three (Illustration):** students will learn basic fundamentals and processes associated with drawing as a profession. Projects include but are not limited to: perspective, comic book illustration, and grid drawing. **Part four (Application):** students will explore art-making processes and media building on previous learning and applying those skills to artworks based on historical content.

**COURSE:** 504 - PAINTING

**GRADE:** 10-12

**CREDIT:** ½

**PREREQUISITE:** BASIC DESIGN & DRAWING WITH A GRADE OF "A" OR ART INSTRUCTOR RECOMMENDATION

Painting is an advanced art studio in which students learn historical content, basic fundamentals and processes of painting such as design, color theory and painting techniques

**COURSE:** 508 - SCULPTURE

**GRADE:** 10-12

**CREDIT:** ½

**PREREQUISITE:** BASIC DESIGN & DRAWING WITH A GRADE OF "A" OR ART INSTRUCTOR RECOMMENDATION

Sculpture is an advanced art studio in which students learn historical content, basic fundamentals and processes of sculpture such as design, clay modeling, relief, and assemblage and construction techniques.

**COURSE:** 510 - ADVANCED STUDIO

**GRADE:** 11-12

**CREDIT:** 1 (may be repeated with instructor permission)

**PREREQUISITE:** BASIC DESIGN & DRAWING, PAINTING, SCULPTURE (ALL WITH GRADE OF "A") OR ART INSTRUCTOR RECOMMENDATION

Students will be working independently to create original artworks in a variety of art media including drawing, painting, sculpture, ceramics and photography.

**COURSE:** 514 - ADVANCED STUDIO (ACCELERATION)

**GRADE:** 9-12

**CREDIT:** 1

**PREREQUISITE:** ART PORTFOLIO SCORE OF 80-100 OUT OF 100 POINTS

1. A portfolio consisting of (8) artworks is submitted to the art instructor for review and scoring.
2. The student must obtain a portfolio scoring rubric and instructions from the art teacher and complete and submit the portfolio for review before class scheduling for the following academic year.
3. The student will be informed promptly of his/her portfolio score with suggestions on improvement for re-submittal if applicable.
4. **DEADLINE:** Portfolios must be submitted by April 1.

**COURSE:** 512 - AP ART

**GRADE:** 12

**CREDIT:** 1

**PREREQUISITE:** ART INSTRUCTOR RECOMMENDATION

This course will follow the program of studies recommended by the College Board and will prepare students in presenting a portfolio of work to the College Board for AP evaluation. All work must be completed as the required by the AP guidelines in order to receive a grade of an "A" in this course. It is highly recommended that the student has previously taken three or more studios prior to this course.

# CAREER AND TECHNICAL EDUCATION DEPARTMENT

## AUTOMOTIVE TECHNOLOGY

**COURSE:** 2501 - AUTOMOTIVE MAINTENANCE AND LIGHT REPAIR SECTION A / SECTION A LAB (AUT150 / AUT151)

**GRADE:** 9-12

**CREDIT:** 1 - Dual Credit with SKYCTC

**PREREQUISITE:** 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.

**COURSE:** 2502 - AUTOMOTIVE MAINTENANCE AND LIGHT REPAIR SECTION B / SECTION B LAB (AUT152 / AUT153)

**GRADE:** 9-12

**CREDIT:** 1

**PREREQUISITE:** NONE

See course description for Automotive Maintenance and Light Repair Section A.

**COURSE:** 2503 - AUTOMOTIVE MAINTENANCE AND LIGHT REPAIR SECTION C / SECTION C LAB (AUT154 / AUT155)

**GRADE:** 9-12

**CREDIT:** 1

**PREREQUISITE:** NONE

See course description for Automotive Maintenance and Light Repair Section A.

**COURSE:** 2504 - AUTOMOTIVE MAINTENANCE AND LIGHT REPAIR SECTION D / SECTION D LAB (AUT156 / AUT157)

**GRADE:** 9-12

**CREDIT:** 1

**PREREQUISITE:** NONE

See course description for Automotive Maintenance and Light Repair Section A.

**COURSE:** 2505 - AUTOMOBILE SERVICE TECHNOLOGY SECTION A / SECTION A LAB (AUT182 / AUT183)

**GRADE:** 9-12

**CREDIT:** 1

**PREREQUISITE:** SECTION A-D OF AUTOMOTIVE MAINTENANCE AND LIGHT REPAIR

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.

**COURSE:** 2506 - AUTOMOBILE SERVICE TECHNOLOGY SECTION B / SECTION B LAB (AUT184 / AUT185)

**GRADE:** 9-12

**CREDIT:** 1

**PREREQUISITE:** SECTION A-D OF AUTOMOTIVE MAINTENANCE AND LIGHT REPAIR

See Course Description for Automotive Service Technology Section A.

**COURSE:** 2507 - AUTOMOBILE SERVICE TECHNOLOGY SECTION C / SECTION C LAB (AUT186 / AUT187)

**GRADE:** 9-12

**CREDIT:** 1

**PREREQUISITE:** SECTION A-D OF AUTOMOTIVE MAINTENANCE AND LIGHT REPAIR

See Course Description for Automotive Service Technology Section A.

**COURSE:** 2508 - AUTOMOBILE SERVICE TECHNOLOGY SECTION D / SECTION D LAB (AUT188 / AUT189)

**GRADE:** 9-12

**CREDIT:** 1

**PREREQUISITE:** SECTION A-D OF AUTOMOTIVE MAINTENANCE AND LIGHT REPAIR

See Course Description for Automotive Service Technology Section A.



**COURSE: 2510 - COOPERATIVE EDUCATION I (AUT199)**

**GRADE: 9-12**

**CREDIT: 1**

**PREREQUISITE: CONSENT OF TEACHER**

Co-op provides supervised on-the-job experience related to the student's educational objectives. Students who participate in the cooperative Education program receive compensation for their work.

**COURSE: 2509 - PRACTICUM I (AUT198)**

**GRADE: 9-12**

**CREDIT: 1**

**PREREQUISITE: CONSENT OF TEACHER**

The practicum provides supervised on-the-job experience related to the student's educational objectives. Students who participate in the practicum do not receive compensation.

**BUSINESS AND RETAILING**

**COURSE: 602 - ACCOUNTING AND FINANCE FOUNDATIONS**

**GRADE: 10-12**

**CREDIT: 1**

**PREREQUISITE: 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. Leadership development will be provided through FBLA.

**COURSE: 606 - ADVANCED ACCOUNTING (Accounting Pilot and Bridge Project)**

**GRADE: 11-12**

**CREDIT: 1**

**PREREQUISITE: ACCOUNTING AND FINANCE FOUNDATIONS**

College Accounting/Advanced Accounting uses an integrated approach to teach accounting. Students first learn how businesses plan for and evaluate their operating, financing and investing decisions and how accounting systems gather and provide data to internal and external decisions makers. This year-long course covers all the learning objectives of a traditional college level financial accounting course, plus those from a managerial accounting course. Topics include an introduction to accounting, accounting information systems, time value of money, and accounting for merchandising firms, sales and receivables, fixed assets, debt and equity. Other topics include statement of cash flows, financial ratios, cost-volume profit analysis and variance analysis. Leadership development will be provided through FBLA. **Articulation Agreements are in place to Award College Credit to WKU for Accounting 200 - Principles of Financial Accounting & to Sullivan School of Accountancy for ACT 101 - Principles of Accounting 1 for students who successfully pass this course and scores a "3" or higher on the AP Pilot Accounting Exam.**

**COURSE: 638 - ADVANCED MARKETING**

**GRADE: 12**

**CREDIT: 1**

**PREREQUISITE: PRINCIPLES OF MARKETING**

This course is designed to enhance marketing skills developed in the marketing prerequisite courses and to learn advanced marketing skills in such areas as advertising, customer service, supervision, employee/employer relations, for a wide range of marketing careers. This course offers the opportunity for developing advanced skills that are appropriate for careers in sports marketing, hospitality and tourism, general marketing, retailing, hotel/motel, etc. Students in this course can earn additional credits through marketing retail on-the-job training utilizing the cooperative education method of instruction. Leadership development will be provided through DECA.

**COURSE: 631 or 632 - BUSINESS COOPERATIVE**

**GRADE: 11-12**

**CREDIT: 1 or 2**

**PREREQUISITE: 2 BUSINESS CREDITS, ENROLLED IN UPPERLEVEL COURSE, COMPLETE A WORK-BASED ORIENTATION, GOOD ATTENDANCE AND WORK ETHIC**

One or two credits can be earned in this work-based learning program. This program is designed to help students successfully transition from a school setting to the workplace. The Business Coordinator will aid students in finding a work site; however, students are responsible for actively participating in the job search. Students will be placed according to performance abilities and career interests. The student must provide the following: a signed transportation agreement including driver's license and proof of liability insurance, proof of student school insurance, proof of worker's compensation insurance from the business/industry, and a state police background/records check on the business supervisor. Additional requirements: work-based learning projects will be assigned as well as weekly journals. In order for students to co-op they must possess exemplary personal conduct/behavior at school and in the work place, have at least a 97% Attendance and be recommended by a business teacher. Students must be enrolled in Entrepreneurship, Accounting or Advance Computer/Tech. Students must work a total of 350 hours (10 hours per week) regardless if earning one or two credits. After registering for the class, students will be contacted and informed of when they can attend a work-based orientation.

**COURSE: 608 - BUSINESS MANAGEMENT**

**GRADE: 11-12**

**CREDIT: 1**

**PREREQUISITE: 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 and/or DECA.

**COURSE: 629 - BUSINESS PRINCIPLES / APPLICATIONS**

**GRADE: 9-12**

**CREDIT: 1**

**PREREQUISITE: NONE**

This course establishes basic foundation for further study in business and marketing 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 personnel 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 and/or DECA.

**COURSE: 635 - ENTREPRENEURSHIP**

**GRADE: 9-12**

**CREDIT: 1**

**PREREQUISITE: NONE**

This course provides students the opportunity to explore the rewards and risks of business ownership. Emphasis is given to the characteristics of successful entrepreneurs: planning, organizing and beginning a business; financing and managing the enterprise; franchising opportunities; and sources of financing. Cooperative and/or shadowing experiences may be used to enhance course instruction. In this class, students will create and set up a school-based enterprise and/or business simulation. Leadership development will be provided through FBLA and/or DECA.

**COURSE: 617 - FINANCIAL LITERACY**

**GRADE: 9-12**

**CREDIT: 1**

**PREREQUISITE: NONE**

Career Major: Business Multimedia, Information Processing and Business Technology

This semester course will explain why you should know about personal finance. According to Dave Ramsey's Financial Peace School Curriculum, people under the age of 25 make up the fastest growing age group filing for bankruptcy, and only 34% of teenagers know how to balance a checkbook. 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, retirement planning and investments.

**COURSE: 628 - PERSONAL FINANCE - FIN161**

**GRADE: 11-12**

**CREDIT: 1**

**PREQUISITE: NONE**

**COST: \$210.00 (dual credit course with WKU)**

Personal Finance is a dual-credit business elective course designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Designed to serve the personal finance needs of students regardless of their major fields. Practical applications in personal and family financial planning, including credit, buying, borrowing, banking, insurance, investments, taxation, estate planning and home ownership.

**COURSE: 634 - PRINCIPLES OF MARKETING**

**GRADE: 9-12**

**CREDIT: 1**

**PREREQUISITE: NONE**

This course provides a basic foundation for further study in marketing. Students study the development of products and then explore what occurs in the marketplace by studying purchasing, pricing, and distribution functions. Decision-making and problem-solving skills are involved in units of human relations, distribution systems, market information management and product/service planning. The employment skills learned will improve and increase the chance of successful transition into the world of work. Leadership development will be provided through DECA.

**COURSE: 641 or 642 - RETAILING COOPERATIVE**

**GRADE: 11-12**

**CREDIT: 1 or 2**

**PREREQUISITE: 2 BUSINESS / MARKETING CREDITS, ENROLLED IN AN UPPER LEVEL COURSE, AND COMPLETE A WORK-BASED ORIENTATION**

One or two credits can be earned in this work-based learning program. This program is designed to help students successfully transition from a school setting to the workplace. The Business Coordinator will aid students in finding a work site; however students are responsible for actively participating in the job search. Students will be placed according to performance abilities and career interests. The student must provide the following: a signed transportation agreement including driver's license and proof of liability insurance, proof of student school insurance, proof of worker's compensation insurance from the business/industry, and a state police background/records check. Additional requirements: work-based learning projects will be assigned as well as weekly journals. In order for students to co-op they must possess exemplary personal conduct/behavior at school and in the work place, have at least a 97% attendance record and be recommended by a business teacher. Students must be enrolled in Advanced Marketing. Students must work a total of 350 hours (10 hours per week) regardless if in earning one or two credits. After registering for the class, students will be contacted and informed of when they can attend a work-based orientation

**COURSE: 644 - SPORTS / EVENT MARKETING**

**GRADE: 9-12**

**CREDIT: 1**

**PREREQUISITE: NONE**

This course is designed to provide training of skills necessary for positions in the Sports and Entertainment field and expose the students to jobs at the mid-management, specialist or supervisory level. Instruction includes marketing skills, skills and techniques of advertising and promotions, psychology of selling, and management associated with the marketing of leisure-time activities and events. Leadership development will be provided through DECA.

## COMPUTERS

### **COURSE: 609 - ST: DIGITAL IMAGING**

**GRADE:** 11-12

**CREDIT:** 1

**PREREQUISITE:** NONE

An accomplished study and production of creative and conceptual aspects of designing and producing digital imagery, graphics and photography, including techniques, genres and styles from fine arts and commercial advertising, internet and multimedia, web design, industrial and virtual design. Students use a computer as an electronic drawing tool to solve visual communications and illustration problems in designing authentic products. This course entails an accomplished use of current software for two dimensional illustration, creating and integrating text, using color, and importing and exporting files. Typical course topics include: aesthetic meaning and analysis of computer generated works; composing, capturing, processing, and programming of imagery and graphical information; their transmission, distribution and marketing; as well as contextual, cultural and historical aspects and considerations.

### **COURSE: 610 - DIGITAL LITERACY**

**GRADE:** 9-12

**CREDIT:** 1

**PREREQUISITE:** 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. Leadership development will be provided through DECA, FBLA & STLP.

### **COURSE: 710 - MULTIMEDIA PUBLISHING**

**GRADE:** 9-12

**CREDIT:** 1

**PREREQUISITE:** NONE

This hands-on course applies publishing and presentation concepts through the development of sophisticated business documents and projects. These documents include, but are not limited to, tri-fold brochures, manuscripts, reports, bi-fold programs, catalogs, newsletters, flyers, business forms, graphs, web pages, on-screen presentations, and video productions. Equipment such as scanners, digital cameras, video cameras, and color laser printers, may be utilized in creating the documents. Formatting, editing, page layout, and design concepts are taught. Distribution ready publication standards are applied to all projects. Students will develop communication skills, problem-solving techniques, cooperative learning, and interpersonal skills. Leadership development will be provided through DECA, FBLA, & STLP.

### **COURSE: 721 - ADVANCED MULTIMEDIA**

**GRADE:** 11-12

**CREDIT:** 1

**PREREQUISITE:** MULTIMEDIA PUBLISHING

This hands-on course applies advanced web design, publishing, and presentation concepts through the development of sophisticated documents and projects which includes, but is not limited to: web sites, web databases, web movies, video editing and production, television productions. The course is designed around the learning goals of the students and is project-based. Students will complete advanced projects agreed upon with the instructor utilizing hardware and software available. Formatting, editing, layout, and design concepts are reviewed and reinforced. Distribution ready publication standards are applied to all projects. Students will develop communication skills, problem-solving techniques, cooperative learning, and interpersonal skills. Leadership development will be provided through DECA, FBLA, & STLP.

### **COURSE: 711 - WEBSITE PUBLISHING**

**GRADE:** 9-12

**CREDIT:** 1

**PREREQUISITE:** APPLICATION

This course applies website publishing concepts through the development and maintenance of pages for the school web site. Students will use Adobe Creative Suite's Dreamweaver and Flash software as well as HTML and JavaScript programming to create pages. Students will create HTML documents including tags, files, links, tables, frames, forms, images, and text; use software packages to create a multimedia web page with dynamic content such as the incorporation of sound files, digital photography, video files, and images into a web page; identify browser restrictions; analyze, create, and organize navigational links; practice appropriate use of copyright, licensing, and downloading protocols; and practice responsible internet security precautions. Recommended for students with an interest in web site design and a fundamental understanding of multimedia and publishing electronically. Some knowledge of HTML and Photoshop is recommended. Students must be self-motivated and creative. Prior approval of the website instructor is required and applications may be obtained from the instructor. Leadership development will be provided through STLP, Student Technology Leadership Program

## CARPENTRY

### **COURSE: 1514 - CEILING AND ROOFING**

**GRADE:** 10-12

**CREDIT:** 1

**PREREQUISITE:** INTRO TO CONSTRUCTION CARPENTRY

This course will cover various roof types and combinations of roof types used in industry. The major emphasis of this course is on the layout, cutting and installing ceiling joists, rafters, and roof decking and roof coverings. This course will follow the Kentucky Tech curriculum for Ceiling and Roof Framing (CAR196). Leadership and professionalism will be provided through VICA and by participation in the Skills USA - VICA program.

### **COURSE: 1519 - CONSTRUCTION CO-OP I**

**GRADE:** 12

**CREDIT:** 2

**PREREQUISITE:** COMPLETION OF 2 CONSTRUCTION CREDITS AND 1 CONCURRENT CREDIT

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. Students will work a minimum of 10 hours per week and must maintain a 2.0 GPA. This class will follow the Kentucky Tech curriculum for Co-op 1 – Carpentry (CAR199). Leadership and professionalism will be provided through VICA and by participation in the Skills USA - VICA program.

**COURSE: 1516 - FLOOR AND WALL FRAMING**

**GRADE: 10-12**

**CREDIT: 1**

**PREREQUISITE: INTRO TO CONSTRUCTION CARPENTRY**

This class will teach students current standards and techniques in floor framing, layout and the construction of floor frames. Cutting and installing floor and wall framing members according to plans and specifications will also be practiced. The course will follow the Kentucky Tech curriculum for Floor and Wall Framing (CAR190). Leadership and professionalism will be provided through VICA and by participation in the Skills USA - VICA program.

**COURSE: 1512 - INTRO TO CONSTRUCTION CARPENTRY**

**GRADE: 9-12**

**CREDIT: 1**

**PREREQUISITE: NONE**

This class will teach students to perform to national construction industry standards. The program will include core building courses in residential and light commercial blueprint reading, construction methods, safety and construction related math. The course will follow the Kentucky Tech curriculum for Carpentry (CAR126). Leadership and professionalism will be provided through VICA and by participation in the Skills USA - VICA program.

**COURSE: 1517 - SITE LAYOUT AND FOUNDATIONS**

**GRADE: 10-12**

**CREDIT: 1**

**PREREQUISITE: INTRO TO CONSTRUCTION CARPENTRY**

Students will prepare materials, calculate the cost for a building site and layout a site with a builder's transit, locating property lines and corners. Students will also calculate the amount of concrete needed for footing and foundation walls. Course will include constructing different types of foundations and formwork. This class will follow the Kentucky Tech curriculum for Site Layout and Foundations (CAR140). Leadership and professionalism will be provided through VICA and by participation in the Skills USA - VICA program.

**FAMILY AND CONSUMER SCIENCES DEPARTMENT**

Education Career Major Coursework (ECMC). All ECMC courses incorporate critical thinking, problem solving, research, writing, career exploration, and human relationship components.

**COURSE: 807 - CHILD / HUMAN DEVELOPMENT I**

**GRADE: 9-12**

**CREDIT: 1**

**PREREQUISITE: NONE**

This courses discusses concepts related to understanding the areas 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 prenatal, infancy, toddler, and school-age stages. Careers in child/human development are explored.

**COURSE: 808 - CHILD / HUMAN DEVELOPMENT II**

**GRADE: 10-12**

**CREDIT: 1**

**PREREQUISITE: CHILD/HUMAN DEVELOPMENT I**

This course addresses the practical problems related to understanding the areas and stages of lifespan development, review effects of heredity and environment on life stages, meeting the needs of exceptional individuals, promoting optimum growth and development in the middle childhood, adolescent, and early/middle/late adulthood stages. Careers in human development and adult care services are explored.

**COURSE: 809 - CHILD DEVELOPMENT SERVICES I**

**GRADE: 11-12**

**CREDIT: 1**

**PREREQUISITE: NONE**

This course provides training for entry-level positions in day care centers, nurseries, kindergartens, and private homes. Students study careers in child development, child development and guidance, children's health, well-being in group care, value of play, teaching strategies and management, and curriculum development. The content is reinforced with work experience in a variety of childcare establishments

**COURSE: 810 - CHILD DEVELOPMENT SERVICES II**

**GRADE: 11-12**

**CREDIT: 1**

**PREREQUISITE: CHILD/HUMAN DEVELOPMENT I**

Child Development Services II is a continuation of Child Development Services I and is designed for students who wish to train for supervisory level positions or those wishing to further their education at the post-secondary level in the area of childcare and/or early childhood development. Students gain in-depth experience in child care establishments, preschool centers, and other early childhood settings.

**COURSE: 812 - CULINARY SKILLS**

**GRADE: 10-12**

**CREDIT: 1**

**PREREQUISITE: FOODS & NUTRITION AND STUDENT MUST COMPLETE AN APPLICATION FOR ENROLLMENT IN THIS CLASS**

Topics of Study: hospitality industry as it relates to food service, quality customer service methods, cost and profit analysis of various types of food service businesses, advanced culinary skills used in the preparation of food, presentation techniques and exposure to various work-sites engaged in the preparation of various types of food.

**COURSE: 830 - FASHION / INTERIOR DESIGN I**

**GRADE: 9-12**

**CREDIT: 1**

**PREREQUISITE: NONE**

Topics of study: This course provides opportunities for students to develop career competencies in the fashion and interior industry by applying information related to social, economic, and media influences. Students apply knowledge of design principles and processes through skill performance activities. Textile construction, development of skills using equipment such as sewing machines, sergers and embroidery machines, advanced pattern layouts and cutting for textile items, research and report on the history of various design styles related to the fashion industry, identify and compare performance standards of various textile materials, produce textile products for clients and special populations. Work experience will be explored and leadership development will be provided through Family, Career and Community Leaders of America (FCCLA) student organization. Students will need to purchase supplies for this course.

**COURSE: 831 - FASHION / INTERIOR DESIGN II**

**GRADE: 10-12**

**CREDIT: 1**

**PREREQUISITE: FASHION / INTERIOR DESIGN I**

Fashion/Interior Design II will be a more in-depth study of the areas covered in Fashion/Interior Design I. Topics of study: Elements and principles of design, especially color theory, furniture styles and arrangements used in home and commercial settings, use of floor, wall and window treatments based on specific design needs, designing within a given budget, measuring skills, reading blueprints, creating floor plans, universal design concepts, comparing performance standards for various design purposes, selecting art and accessories, production of items used in interior design applications. Students will use artistic and design principles to render drawings manually and with computer aided design programs. Manual and computer aided designs will be produced in one, two and three dimensional formats. Leadership development will be provided through the Family, Career, and Community Leaders of America (FCCLA) student organization. Students will need to purchase supplies for this course.

**COURSE: 838 - FOODS AND NUTRITION**

**GRADE: 9-12**

**CREDIT: ½**

**PREREQUISITE: NONE**

Learn how to prepare basic foods of the American diet. Practice and learn about food preparation skills, nutrition, management of food resources and careers in the food industry. Impress your friends and family with the wide array of delicious foods you will be able to cook.

**COURSE: 839 - FOODS AND NUTRITION**

**GRADE: 9-12**

**CREDIT: 1**

**PREREQUISITE: NONE**

Learn how to prepare basic foods of the American diet. Practice and learn about food preparation skills, nutrition, management of food resources and careers in the food industry. Impress your friends and family with the wide array of delicious foods you will be able to cook.

**COURSE: 817 - LIFE SKILLS**

**GRADE: 9-10**

**CREDIT: 1**

**PREREQUISITE: NONE**

This course provides an opportunity for acquiring basic life skills and guides students to explore different areas in the Family and Consumer Science department. This course emphasizes family, employability skills, adolescent development, introduction to textiles, interiors and design, financial management, challenges of parenting, establishing healthy relationships, and creating a foundation for healthy lifestyles and nutrition. Leadership development will be provided through the Family, Career, and Community Leaders of America

**COURSE: 821 - RELATIONSHIPS**

**GRADE: 9-12**

**CREDIT: ½**

**PREREQUISITE: NONE**

This course assists students to develop self-understanding, better understand others, 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. Leadership development will be provided through the Family, Career, and Community Leaders of America.

**COURSE: 840 - PARENTING**

**GRADE: 9-12**

**CREDIT: ½**

**PREREQUISITE: NONE**

This course is designed to aid students in developing parenting and care giving skills that can be applied in a variety of situations. Students will cover topics such as becoming an informed parent, understanding prenatal development, caring for the newborn, being an effective parent/caregiver, caring for the sick and elderly, and exploring career opportunities in care giving.

**Students will have the opportunity to join two student leadership organizations: Family, Career and Community Leaders of America (FCCLA) and Future Educators of America (FEA). All courses include career and consumer units of study. Student must supply needed materials. Materials list available upon request. Some courses require lab fees.**

## HEALTH SCIENCE

The Health Sciences Program is for students interested in a potential career in a healthcare profession. These students should have expressed an interest in the medical/healthcare field on their ILP. The recommended entry-level course is Principles of Health Science as a freshman, sophomore, or junior. See Career and Technical Education booklet for recommended course sequence.

**COURSE:** 1532 - EMERGENCY PROCEDURES

**GRADE:** 10-12

**CREDIT:** ½

**PREREQUISITE:** PRINCIPLES OF HEALTH SCIENCE WITH “B” AND MEDICAL TERMINOLOGY WITH “B”

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. This course is taught as a prerequisite to Medicaid Nurse Aide and to co-op. Preference will be given to those students who have already taken Principles of Health Science. This class will follow the Kentucky Tech curriculum for (CPR 100/SFA 100). Leadership development will be provided through HOSA.

**COURSE:** 1536 or 1537 - HEALTH CARE FUNDAMENTALS

**GRADE:** 12

**CREDIT:** 1 or 2

**PREREQUISITE:** Principles of Health Science, Medical Terminology, Emergency Procedures, Teacher Approval, 3.0 GPA, no more than 10 absents or tardies within the past 12 months, must pass a police background check, must not be listed on the Nurse Aide Abuse Registry and may be requested to have a drug screen. No behavioral issues requiring ALC within the past 12 months

One or two credits can be earned in each of these work-based learning programs. These programs are designed to help students successfully transition from a school setting to the workplace. The Health Science Instructor will aid students in finding a work site; however, students are responsible for actively participating in the job search. Students will be placed according to performance abilities and career interests. The student must provide the following: A signed transportation agreement including driver's license and proof of liability insurance, proof of worker's compensation insurance from the business/industry, and a state police background check on the business supervisor.

- Current immunization record
- TB skin test (two-step) and other documentation as indicated
- Current immunization record
- Current liability insurance that extends throughout the entire course obtained through the class at a cost of approximately \$20.00 per student.
- Police background check obtained through the class at a cost of approximately \$10.00 per student.
- Drug screen as required by facility policies
- Hepatitis B immunization series or signed refusal

White uniform, white shoes, and watch with second-hand

Membership in Health Occupation Students of America at a cost of approximately \$20.00 per student.

Additional requirements: Work based learning projects will be assigned as well as weekly journals. In order for students to co-op they must possess exemplary personal conduct/behavior at school and in the work place, have at least a 97% average and be recommended by the health sciences instructor. Students must work a total of 350 hours (10 hours per week) regardless if earning one or two credits. Students in work based learning without reimbursement are enrolled in Fundamentals. Students reimbursed for work based learning are enrolled in Health Care Practicum.

**COURSE:** 1538 or 1539 - HEALTH CARE PRACTICUM

**GRADE:** 12

**CREDIT:** 1 or 2

**PREREQUISITE:** Principles of Health Science, Medical Terminology, Emergency Procedures, Teacher Approval, 3.0 GPA, no more than 10 absents or tardies within the past 12 months, must pass a police background check, must not be listed on the Nurse Aide Abuse Registry and may be requested to have a drug screen. No behavioral issues requiring ALC within the past 12 months

One or two credits can be earned in each of these work-based learning programs. These programs are designed to help students successfully transition from a school setting to the workplace. The Health Science Instructor will aid students in finding a work site; however, students are responsible for actively participating in the job search. Students will be placed according to performance abilities and career interests. The student must provide the following: A signed transportation agreement including driver's license and proof of liability insurance, proof of worker's compensation insurance from the business/industry, and a state police background check on the business supervisor.

- Current immunization record
- TB skin test (two-step) and other documentation as indicated
- Current immunization record
- Current liability insurance that extends throughout the entire course obtained through the class at a cost of approximately \$20.00 per student.
- Police background check obtained through the class at a cost of approximately \$10.00 per student.
- Drug screen as required by facility policies
- Hepatitis B immunization series or signed refusal

White uniform, white shoes, and watch with second-hand

Membership in Health Occupation Students of America at a cost of approximately \$20.00 per student.

Additional requirements: Work based learning projects will be assigned as well as weekly journals. In order for students to co-op they must possess exemplary personal conduct/behavior at school and in the work place, have at least a 97% average and be recommended by the health sciences instructor. Students must work a total of 350 hours (10 hours per week) regardless if earning one or two credits. Students in work based learning without reimbursement are enrolled in Fundamentals. Students reimbursed for work based learning are enrolled in Health Care Practicum.

**COURSE: 1535 - MEDICAID NURSE AIDE**

**GRADE: 11-12**

**CREDIT: 1**

**PREREQUISITE: Principles of Health Science, Medical Terminology, Emergency Procedures, 3.0 GPA, no more than 14 absents or tardies within the past 12 months, must pass a police background check, must not be listed on the Nurse Aide Abuse Registry and may be requested to have a drug screen. No behavioral issues requiring ALC within the past 12 months.**

This course is designed to offer specific knowledge and skills for students and/or potential nurse aides to assume the roles and responsibilities required in long-term care. The information and skills are taught through lectures, labs and clinical practice. The focus of the course is communication, infection control, safety, resident's rights and basic nursing skills. The course will consist of a minimum of seventy-five hours, sixteen hours of which will be practical application/clinical experience in a long-term care facility. Upon completion of the course the student with a B average on exams will be able to take the Kentucky Medicaid Nurse Aide Examination at KCTCS to be registered as an MNA in Kentucky.

Prior to school beginning the student must have the following submitted to the instructor

- Current immunization record
- TB skin test (two-step) and other documentation as indicated
- Current liability insurance that extends throughout the entire course obtained through the class at a cost of approximately \$20.00 per student.
- Permission signed for police background check obtained through the class at a cost of approximately \$10.00 per student.
- Drug screen as required by facility policies
- Hepatitis B immunization series or signed refusal
- Purple scrubs, white shoes, and watch with second-hand
- Membership in Health Occupation Students of America at a cost of approximately \$20.00 per student.

A representative from the Bowling Green Independent School District staff will be checking the Nurse Aide Registry to assure students are not listed as having a complaint registered against them.

**COURSE: 1531 - MEDICAL SCIENCE ANATOMY AND PHYSIOLOGY**

**GRADE: 11-12**

**CREDIT: 1**

**PREREQUISITE: PRINCIPLES OF HEALTH SCIENCE, MEDICAL TERMINOLOGY AND EMERGENCY PROCEDURES**

Basic Anatomy and Physiology is designed to provide knowledge of the structure and function of the human body with an emphasis on normalcy. The course includes interaction of all body systems in maintaining homeostasis and promotes an understanding of the basic human needs necessary for health maintenance. Explain the basic principles of inorganic and organic chemistry as they apply to physiological processes. Every effort should be made in this modern complicated world to send a well-rounded educated youth out to fill their niche in society. The study of biology contributes to the general cultural knowledge of the student. Beyond this, a course in physiology meets the needs of a more complete understanding of the basic principles of ones own body and its functions. Those students interested in a profession such as nursing, physical therapy, physical education, medicine, pharmacy, and public health are introduced to the concepts upon which further study may possibly lead to a life's vocation.

**COURSE: 1534 - MEDICAL TERMINOLOGY**

**GRADE: 10-12**

**CREDIT: ½ - Dual Credit with SKYCTC**

**PREREQUISITE: PRINCIPLES OF HEALTH SCIENCE WITH "B"**

**COST: \$50.00 if taken for SKYCTC credit**

This course requires a lot of memorization. This course is an intense study of the medical language used in all health career major areas. It is an overview of the basic techniques used in medical word building. Emphasis is on basic anatomy, physiology, pharmacological terms and diagnostic procedures. Medical Terminology includes writing exercises, research and connections to medical science. This course is taught as a prerequisite to Medicaid Nurse Aide. Preference will be given to those students who have already taken Principles of Health Science. This class will follow the Kentucky Tech curriculum for (AHS 120).Dual credit is available at KCTCS. Leadership development will be provided through HOSA.

**COURSE: 1540 - PASS ASSURED PHARMACY TECHNICIAN**

**GRADE: 12**

**CREDIT: 1**

**PREREQUISITE: Principles of Health Science, Medical Terminology, Emergency Procedures, Teacher Approval, 3.0 GPA, no more than 14 absents or tardies within the past 12 months, Must pass a police background check, must not be listed on the Nurse Aide Abuse Registry and may be requested to have a drug screen. No behavioral issues requiring ALC within the past 12 months**

This is an independent, self-study on line computer course that when completed results in the student being able to set for the state examination for pharmacy technician at the end of the school year. The student must be 18 upon high school graduation to take this class. The student must have strong organizational skills and self-discipline to complete this course. Exemplary math skills are also a must for the student to be successful in this class. Student is required to co-op at a pharmacy.

**COURSE: 1530 - PRINCIPLES OF HEALTH SCIENCE**

**GRADE: 9-12**

**CREDIT: 1**

**PREREQUISITE: NONE**

Principles of Health Science is an orientation and foundation for occupations in the health care industry. The student will learn about the health care industry and career opportunities available. Leadership development, employability skills and medical terminology will be integrated throughout the course. This introductory course may be a prerequisite for additional courses in the Health Science Program. All core content for Vocational Studies is included in this course. This class will follow the Kentucky Tech curriculum for (HEA 102). Leadership development will be provided through HOSA. Students are greatly encouraged to take AP science and AP math courses during their high school career in order to better prepare them for college.

# ENGLISH DEPARTMENT

**COURSE:** 101 - ENGLISH I

**GRADE:** 9-12

**CREDIT:** 1

**PREREQUISITE:** NONE

English I teaches close reading strategies of written, spoken, and visual texts, literary elements and techniques, literary forms (drama, fiction, non-fiction, and verse); rhetoric and argument; elements of research, including appropriate and ethical use of technology to conduct research and publish student work; analysis of how grammatical and stylistic choices determine meaning in various texts; the modes of writing (expository, narrative, persuasive, descriptive); the writing process; development of one's own writing voice and style; effective oral communication through discussion (i.e., Socratic seminar); vocabulary acquisition and use; preparation for the PLAN. Students are expected to complete an I-Search paper.

**COURSE:** 115 - ENGLISH I - PRE-ADVANCED PLACEMENT (PRE-AP)

**GRADE:** 9

**CREDITS:** 1

**PREREQUISITE:** OPEN ENROLLMENT

English I Pre-AP is designed for mature students capable of learning independently, who wish to develop the critical thinking, reading, and writing skills required for success in college. The four areas of emphasis in this course are developing critical thinking and reading skills through an intensive reading program of novels, short stories, poetry, drama and non-fiction; building competency in grammar; improving vocabulary knowledge; developing analytical, narrative, expository and imaginative writing skills. Students are expected to complete an I-Search paper. This course requires substantial time outside of class in order to master concepts and complete assignments. A summer reading assignment may be assigned after registration.

**COURSE:** 102 - ENGLISH II

**GRADE:** 10-11

**CREDIT:** 1

**PREREQUISITE:** ENGLISH I

English II teaches close reading strategies of written, spoken, and visual texts, literary elements and techniques, literary forms (drama, fiction, non-fiction, and verse); rhetoric and argument; elements of research, including appropriate and ethical use of technology to conduct research and publish student work; analysis of how grammatical and stylistic choices determine meaning in various texts; the modes of writing (expository, narrative, persuasive, descriptive); the writing process; development of one's own writing voice and style; effective oral communication through discussion (i.e., Socratic seminar); vocabulary acquisition and use; preparation for the PLAN, EOC English II, and On-Demand exams. Students are expected to complete a Document-Based essay.

**COURSE:** 125 - ENGLISH II - PRE-ADVANCED PLACEMENT (PRE-AP)

**GRADE:** 10

**CREDIT:** 1

**PREREQUISITE:** OPEN ENROLLMENT

English II Pre-AP focuses on core American literature and teaches close reading strategies of written, spoken, and visual texts, literary elements and techniques, literary forms (drama, fiction, non-fiction, and verse); rhetoric and argument; elements of research, including appropriate and ethical use of technology to conduct research and publish student work; analysis of how grammatical and stylistic choices determine meaning in various texts; the modes of writing (expository, narrative, persuasive, descriptive); the writing process; development of one's own writing voice and style; effective oral communication through discussion (i.e., Socratic seminar); vocabulary acquisition and use; preparation for the PLAN, EOC English II, and On-Demand exams. Students are expected to complete a Document-Based essay. During this year, students become familiar with the content of Advanced Placement Language and Composition and the Advanced Placement Literature and Composition courses.

**COURSE:** 103 - ENGLISH III

**GRADE:** 11-12

**CREDIT:** 1

**PREREQUISITE:** ENGLISH II

English III focuses on core American literature (including seventeenth-, eighteenth-, and nineteenth-century foundational U.S. documents of historical and literary significance) and teaches close reading strategies of written, spoken, and visual texts, literary elements and techniques, literary forms (drama, fiction, non-fiction, and verse); rhetoric and argument; elements of research, including appropriate and ethical use of technology to conduct research and publish student work; evaluate the efficacy of grammatical and stylistic choices in various texts of increasing complexity; the modes of writing (expository, narrative, persuasive, descriptive); the writing process; precision of language; development of one's own writing voice and style; effective oral communication through discussion (i.e., Socratic seminar); vocabulary acquisition and use; preparation for the ACT and On-Demand exams. Students are expected to complete a research paper.

**COURSE:** 135 - AP ENGLISH LANGUAGE AND COMPOSITION (ENG III)

**GRADE:** 11-12

**CREDIT:** 1

**PREREQUISITE:** ENGLISH II - PRE-AP

The AP English Language and Composition course "aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods" (collegeboard.org); vocabulary acquisition and use; preparation for the ACT and On-Demand exams. Students are expected to complete a research paper. Students have the opportunity to earn college credit in May through the Advanced Placement exam.



**COURSE: 104 - ENGLISH IV****GRADE: 12****CREDIT: 1****PREREQUISITE: ENGLISH III**

English IV focuses on core British literature and teaches close reading strategies of written, spoken, and visual texts, literary elements and techniques, literary forms (drama, fiction, non-fiction, and verse); rhetoric and argument; elements of research, including appropriate and ethical use of technology to conduct research and publish student work; evaluate the efficacy of grammatical and stylistic choices in various texts of increasing complexity; the modes of writing (expository, narrative, persuasive, descriptive); the writing process; precision of language; development of one's own writing voice and style; effective oral communication through discussion (i.e., Socratic seminar); vocabulary acquisition and use; preparation for the ACT and exploration of post-secondary college and career opportunities.

**COURSE: 145 - AP LITERATURE AND COMPOSITION (ENG IV)****GRADE: 12****CREDIT: 1****PREREQUISITE: AP ENGLISH LANGUAGE & COMPOSITION**

The AP English Literature and Composition course "aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works" (collegeboard.org); vocabulary acquisition and use; preparation for the ACT and exploration of post-secondary college and career opportunities. Students have the opportunity to earn college credit in May through the Advanced Placement exam.

**COURSE: 155 - ENGLISH IV – COLLEGE-PREP****GRADE: 12****CREDIT: 1****PREREQUISITE: ENGLISH III**

English IV-College Preparatory focuses on core British and world literature and teaches close reading strategies of written, spoken, and visual texts via analysis of literary elements and techniques, literary forms (drama, fiction, non-fiction, and verse), rhetoric and argument. As they read, students will consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that incorporate elements of research, including appropriate and ethical use of technology. Students will hone their writing skills by focusing on precision of language, developing individual voice and style, acquiring and using rich vocabulary, and subtly organizing their ideas. A key component of the course will include effective oral communication through group and class discussion (i.e., Socratic seminar), particularly discussion that connects concepts in literature across genres, eras, and modes. Students will explore post-secondary college and career opportunities within the paradigm of their interests and abilities as well as practice goal setting and time management skills that will be necessary for post-secondary success.

**COURSE: 168 - JOURNALISM I - BEGINNING REPORTING****GRADE: 9-11****CREDIT: 1****PREREQUISITE: NONE**

Beginning Reporting provides students opportunity to review and apply grammar and writing skills while gaining the skills and background to direct student publications. Class members will develop skills in writing, editing, graphic design, digital photography, marketing, and business management while studying the role of the media in our society. While the course is geared toward future involvement in student publications, it is extremely beneficial to those who want to improve their communications skills or to investigate opportunities in media-related careers.

**COURSE: 161 - JOURNALISM II - PURPLE GEM NEWSPAPER****GRADE: 10-12****CREDIT: 1****PREREQUISITE: STAFF APPLICATION - JOURNALISM I PREFERRED**

This advanced journalism course produces 6-8 issues of the school paper yearly. In addition to developing skills in writing, leadership, graphic design, photography and marketing, students on the staff are learning to be better citizens by exercising their freedom of expression. This class requires prior approval. Applications are available from current staff members or in the journalism lab (ENG 12/13). Preference will be given to applicants who have successfully completed the Journalism I course.

**COURSE: 162 - JOURNALISM II - BEACON YEARBOOK****GRADE: 10-12****CREDIT: 1****PREREQUISITE: STAFF APPLICATION - JOURNALISM I PREFERRED**

Do photography, feature writing, art, graphic design, and technology sound interesting to you? Is preserving tradition something you value? If so, you may be a perfect candidate for the Beacon yearbook staff. This course operates as an in-school enterprise to envision, create and market the history of the year. Students involved develop skills in writing, leadership, graphic design, photography and marketing while working with a diverse team. Membership requires prior approval. Applications are available from a current staff member or in the journalism lab (ENG 12/13). Preference will be given to applicants who have successfully completed the Journalism I course.

**COURSE: 1631 / 1632 - JOURNALISM III - PUBLICATIONS / COMP LAB****GRADE: 11-12****CREDIT: ½ per semester****PREREQUISITE: CURRENT / PRIOR ENROLLMENT IN JOURNALISM II CLASS AND ADVISOR'S APPROVAL**

Designed for juniors and seniors who have a potential interest in media-related careers, this course emphasizes the management and marketing of student publications. Typically, applicants are currently or previously enrolled in Journalism II and are actively focusing on developing individual skills in entrepreneurship, management, marketing, sales, photography or editing. Enrollment in this course requires prior approval from a publications adviser. Students may elect to enroll in one or both semesters.

**COURSE:** 1641 - SPEECH COMMUNICATION I

**GRADE:** 9-12

**CREDIT:** ½

**PERFORMANCE BASED CLASS**

Speech Communications I is a performance-based course that focuses on developing effective interpersonal communication skills. Students will research, plan, write, and at times memorize speeches appropriate for a specific audience, purpose, and task. Speeches will require use of Standard English and at times, digital media.

**COURSE:** 1642 - SPEECH COMMUNICATION II

**GRADE:** 9-12

**CREDIT:** ½

**PERFORMANCE BASED CLASS**

Speech Communications II is a performance-based course that focuses on developing effective interpersonal communication and argument. Students will research, plan, write, and at times memorize speeches appropriate for a specific audience, purpose, and task. Speeches will require use of Standard English and at times, digital media.

**COURSE:** 1771 / 1772 - WRITING / LAB

**GRADE:** 11-12

**CREDIT:** ½ per semester

**PREREQUISITE:** NONE

Advanced Placement English juniors and seniors may take writing lab for either one or two semesters. This elective class provides opportunities mainly for extended peer and teacher conferencing on writing. In addition, the fall semester includes ACT review and the writing of college essays. The spring semester emphasizes preparation for the Advanced Placement Language and Literature College Board Exams.

**COURSE:** 462 or 463 - SENIOR SEMINAR

**GRADE:** 12

**CREDIT:** ½ each semester

**PREREQUISITE:** NONE

Senior Seminar is a discussion oriented class which examines many of the leading issues of our time: capital punishment, macro and micro economic issues such as the national debt, atomic weaponry, social programs such as Social Security, Medicare, and Medicaid, the Holocaust, life-auction, euthanasia, medical ethics, genetic engineering, types of culture, population growth, poverty, impact of modern day technology on human development, legal ethics, environmental movement, global warming, racism, philanthropy, spread of HIV, motion pictures which change the world, Vietnam War, and other timely topics. Focused on research and class presentations and discussions the class will challenge students to formulate their opinions with supporting evidence and defend them in discussion or debate format. In addition, the First Quarter of Senior Seminar will assist students in preparing their applications to college, writing college application essays, and a substantial amount of ACT Preparation. Senior Seminar can be taken as either a Semester or Full Academic Year Class.

<p><b>GRADES 9-12: All required English classes at BGHS are year-long classes. Students entering from block schools will be required to stay in English all year.</b></p>
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# MATHEMATICS DEPARTMENT

**COURSE:** 208 - PRE- ALGEBRA

**GRADE:** 9-10

**CREDIT:** 1

**PREREQUISITE:** TEACHER RECOMMENDATION

This course is designed to reinforce concepts studies previously, probe concepts studies previously in greater depth, prepare students for new concepts to come and foster involvement and creativity. Topics include: the real number system, ratio and proportion, order of operations, measurement, exponents and radicals, probability, statistics and basic algebra concepts such as the meaning and use of a variable.

**COURSE:** 211 - ALGEBRA I

**GRADE:** 9-10 (11-12 UNDER SOME CIRCUMSTANCES)

**CREDIT:** 1

**PREREQUISITE:** NONE

This course is a one year complete Algebra I course designed for students who are college intending but do not 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, and factoring.

**COURSE:** 212 - ACCELERATED ALGEBRA I

**GRADE:** 9-10

**CREDIT:** 1

**PREREQUISITE:** NONE

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, systems of equations.

**COURSE:** 225 - ALGEBRA I - HONORS

**GRADE:** 9

**CREDIT:** 1

**PREREQUISITE:** TEACHER RECOMMENDATION

This class will cover the same topics as Accelerated Algebra I at a more rigorous level.

**COURSE:** 227 -ALGEBRA 1.5

**GRADE:** 11-12

**CREDIT:** 1

**PREREQUISITE:** ALGEBRA I AND GEOMETRY

This class is designed for students who need additional algebra instruction before taking Algebra II. The topics of Algebra I will be reviewed and expanded upon in preparation to be more successful in Algebra II. A student may take this class concurrent with Geometry.

**COURSE:** 214 - ALGEBRA II

**GRADE:** 10-12

**CREDIT:** 1

**PREREQUISITE:** ALGEBRA I AND GEOMETRY

This course is designed for students who have taken Basic Algebra I and Basic Geometry. This course meets the state requirements for a third math course and prepared students for the CATS assessment. Emphasis is on using Algebra and Geometry to solve realistic problems. 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.

**COURSE:** 216 - ACCELERATED ALGEBRA II

**GRADE:** 9-12

**CREDIT:** 1

**PREREQUISITE:** ALGEBRA I

This course is designed for college bound students. 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.

**COURSE:** 217 - ALGEBRA II - PRE-ADV PLACEMENT (PRE-AP)

**GRADE:** 9-12

**CREDIT:** 1

**PREREQUISITE:** ALGEBRA I AND TEACHER RECOMMENDATION

This class will cover the same topics as Algebra II at a more rigorous level.

**COURSE:** 221 - ALGEBRA III

**GRADE:** 11-12

**CREDIT:** 1

**PREREQUISITE:** ACCELERATED ALGEBRA II OR ALGEBRA II WITH TEACHER RECOMMENDATION

This is a college readiness class that covers advanced math topics beyond Algebra II, but not at the Pre-calculus level. The purpose of this class is to further prepare a student for Pre-calculus (underclassmen) or college level coursework such as College Algebra (seniors).

**COURSE: 220 - GEOMETRY**

**GRADE: 10-12**

**CREDIT: 1**

**PREREQUISITE: ALGEBRA I**

This course is designed for college intending students who have difficulty mastering the concepts in Algebra I or 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.

**COURSE: 222 - ACCELERATED GEOMETRY**

**GRADE: 9-12**

**CREDIT: 1**

**PREREQUISITE: ALGEBRA I**

This course is for the majority of college intending students. Focus should be on discovery and realistic applications of geometric relationships and principles. Topics include: inductive and deductive reasoning, points, lines, planes, angles, triangles, planar figures, similarity and congruence, circles, three-dimensional geometry, area, volume, locus, coordinate geometry and transformations.

**COURSE: 210 - GEOMETRY - PRE-ADV PLACEMENT (PRE-AP)**

**GRADE: 9-12**

**CREDIT: 1**

**PREREQUISITE: ALGEBRA I AND TEACHER RECOMMENDATION**

This class will cover the same topics as Geometry at a more rigorous level.

**COURSE: 224 - PRE-CALCULUS**

**GRADE: 11-12**

**CREDIT: 1**

**PREREQUISITE: ALGEBRA II AND GEOMETRY**

This course is intended for students who plan to take a calculus course in high school or college. Topics include: functions, their inverses, graphs and their applications including polynomial, rational, exponential logarithmic, circular, trigonometric, absolute value and natural number sequences and series. Analytic geometry, polar coordinates, complex number system and vectors mathematical induction.

**COURSE: 223 – PRE-CALCULUS-PRE-ADV PLACEMENT (PRE-AP)**

**GRADE: 11-12**

**CREDIT: 1**

**PREREQUISITE: ALGEBRA II AND GEOMETRY**

This class will cover the same topics as Pre-Calculus at a more rigorous level in preparation for AP Calculus.

**COURSE: 226 - AP CALCULUS AB**

**GRADE: 11-12**

**CREDIT: 1**

**PREREQUISITE: PRE-CALCULUS AND TEACHER RECOMMENDATION**

This course follows the curriculum established by the College Board. Students successfully completing the course are prepared to take the Advanced Placement Exam in Calculus AB.

**COURSE: 228 - AP CALCULUS BC**

**GRADE: 11-12**

**CREDIT: 1**

**PREREQUISITE: PRE-CALCULUS AND TEACHER RECOMMENDATION**

Calculus BC is a full-year course in the calculus of functions of a single variable. It includes all topics covered in Calculus AB plus additional topics. Both courses represent college-level mathematics for which most colleges grant advanced placement and credit. The content of Calculus BC is designed to qualify the student for placement and credit in a course that is one course beyond that granted for Calculus AB.

**COURSE: 230 - MATH 116 - COLLEGE ALGEBRA**

**GRADE: 11-12**

**CREDIT: 1 - Dual Credit with WKU**

**PREREQUISITE: ALGEBRA II AND TEACHER RECOMMENDATION**

**COST: \$210.00 if taken for WKU credit**

This class is offered for dual credit through WKU. Students must score a minimum of 14 on a math placement exam (MPE) and have a 20 composite score on the ACT. Also, apply to WKU (special acceptance is granted to high school seniors). There are fees associated with taking this class due to receiving college credit.

**COURSE: 232 - AP STATISTICS**

**GRADE: 12**

**CREDIT: 1**

**PREREQUISITE: ALGEBRA II PRE-AP OR ALGEBRA II WITH A "B" AVERAGE OR BETTER AND TEACHER RECOMMENDATION**

This course is the equivalent of an introductory college-level course. Statistics - the art of drawing conclusions from imperfect data and the science of real world uncertainties - plays an important role in many fields. Students collect, analyze, graph and interpret real-world data. They learn to design and analyze research studies by reviewing and evaluating examples from real research. Students prepare for the AP® Exam and for further study in science, sociology, medicine, engineering, political science, geography and business. Graphing calculators (TI-84's) and outside projects will play a large part in this class. College bound students are not encouraged to take this class in place of pre-calculus but may take the two concurrently.

**COURSE:** 345 - FOUNDATIONS IN PERSONAL FINANCE

**GRADE:** 11-12

**CREDIT:** 1

**PREREQUISITE:** ALGEBRA II AND MATH TEACHER RECOMMENDATION

**Special instructions:** This course will count as a math credit

This full year course counts as a math credit and is designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets, simulate use of checking and savings accounts, demonstrate knowledge of finance, debt, and credit management, and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions. We will cover these topics: SAVINGS, INVESTING, CREDIT, DEBT, FINANCIAL RESPONSIBILITY, MONEY MANAGEMENT, INSURANCE, RISK MANAGEMENT, INCOME and CAREERS

**COURSE:** 725 - AP COMPUTER SCIENCE A

**GRADE:** 10-12

**CREDIT:** 1

**PREREQUISITE:** ALGEBRA II AND TEACHER RECOMMENDATION

This course follows the curriculum established by the College Board. Students successfully completing the course are prepared to take the Advanced Placement Exam in Computer Science. The course emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development, and is meant to be the equivalent of a first-semester college-level course in computer science. It also includes the study of data structures, design and abstraction.

**COURSE:** 723 - COMPUTER SCIENCE PRINCIPLES

**GRADE:** 10-12

**CREDIT:** 1

**PREREQUISITE:** DIGITAL LITERACY

Computer Science Principles will introduce students to foundational computing skills, an understanding of the real-world impact of computing applications, programming literacy, working with large data sets, understandings of the Internet and issues of cybersecurity.

# MILITARY SCIENCE DEPARTMENT

## REQUIREMENTS FOR ALL JROTC CADETS:

1. All JROTC students will perform one color guard for a home basketball or football game each school year for a grade.
2. All JROTC students will participate in one off campus service project each school year for a grade.
3. All JROTC students will be required wear their uniform once per week, meet grooming standards, participate in two social events per year including the Military Ball and participate in two parades per year.

### COURSE: 1301 - ARMY Jr. R.O.T.C. I

GRADE: 9-12

CREDIT: 1

PREREQUISITE: NONE

Discuss the purpose and structure of the Army ROTC including respect for constituted authority, privileges and freedoms that underlie good citizenship, physical training, basic military skills, effective communication skills, and a knowledge of the dangers of substance abuse (drugs and alcohol), and the importance of mental management including goal setting.

### COURSE: 1308 - JROTC / Health / PE

GRADE: 9

CREDIT: 1

PREREQUISITE: NONE

For freshmen seeking to obtain their freshman Health/PE credit thru the JROTC program. Each student will participate in physical fitness activities three periods a week. One period per week will be dedicated to health related topics and one period per week to Army uniform wear including personal grooming. All cadets will be required to attend related co-curricular activities required by all JROTC cadets.

### COURSE: 1302 - ARMY Jr. R.O.T.C. II

GRADE: 10-12

CREDIT: 1

PREREQUISITE: ARMY Jr. R.O.T.C. I

Demonstrates knowledge of the ethical values and principles that underlie good citizenship. Display leadership potential and ability to work with others, think logically, and communicate effectively. Continue physical training, military skills training, first aid and map reading, drug abuse training, and team work. Display knowledge of technological advances in computers, lasers, simulators and robotics.

### COURSE: 1303 - ARMY Jr. R.O.T.C. III

GRADE: 11-12

CREDIT: 1

PREREQUISITE: ARMY Jr. R.O.T.C. II

Continue subject areas described above in ROTC II at an advanced level with emphasis on citizenship, leadership and management, and physical training. Advanced communication skills both oral and written, and continue drug and alcohol abuse prevention. Display conduct to serve as a role model.

### COURSE: 1304 - ARMY Jr. R.O.T.C. IV

GRADE: 12

CREDIT: 1

PREREQUISITE: ARMY Jr. R.O.T.C. III

Apply leadership and management skills while assigned to a command or staff position within the cadet battalion. Continue communication skills, leadership training, physical training and serve as an assistant instructor.

### COURSE: 1305 - ARMY Jr. R.O.T.C. IV:STAFF

GRADE: 11-12

CREDIT: 1

PREREQUISITE: ARMY Jr. R.O.T.C. III

### **BATTALION STAFF WILL BE LIMITED TO THOSE STUDENTS SELECTED BY THE CHAIRPERSON OF THE Jr. R.O.T.C. DEPARTMENT**

It will be mandatory for the selected cadets during Staff and Activity period to compete in Drill Team and Color Guard competitions. Also, they will compete in the rifle matches and provide color guards and saber arches for home games.

# MUSIC DEPARTMENT

**COURSE:** 1104 - A CAPPELLA ADVANCED MIXED CHOIR

**GRADE:** 10-12

**CREDIT:** 1

**PREREQUISITE:** AUDITION ONLY

This choir is a select group of men and women in grades 10-12. The music learned and performed is of a greater degree of difficulty. This group will participate in District and State festivals and will present appropriate concerts during the school year. This class is co-curricular and has mandatory concerts many times during the year. A Cappella presents A Taste of Christmas, the Princess Tea and Cabaret each year.

**COURSE:** 1110 - AP MUSIC THEORY

**GRADE:** 10-12

**CREDIT:** 1

**PREREQUISITE:** MUSIC TEACHER RECOMMENDATION

This course will serve as an advanced exploration of musicianship, music theory, musical materials, and procedures. It will integrate aspects of melody, harmony, texture, rhythm, form, musical analysis, elementary composition, and, to some extent, history and style. Musicianship skills such as dictation and other listening skills, sight-singing, and keyboard harmony are considered an important part of this theory course. It is strongly recommended that students enrolling this class will have acquired at least basic performance skills in voice or on an instrument. Students planning to minor or major in music in college should plan to take this course.

**COURSE:** 1105 - BELLISSIMA ADVANCED WOMEN'S CHOIR

**GRADE:** 9-12

**CREDIT:** 1

**PREREQUISITE:** MUSIC LITERACY PLACEMENT TEST

Continued emphasis will be placed on the development of the singing voice. We will focus on creating and sustaining proper breath support for singing, correct vowel placement and a pure and even vocal tone. This will be achieved through rigorous and fun SSA music. This choir will sight-sing daily using a system of solfege syllables (Do Re Mi, etc.) to create singers who are also intelligent musicians. This class is co-curricular, will participate in District and State festivals and will present several mandatory concerts during the school year.

**COURSE:** 1122 - CHORISTERS INTERMEDIATE MIXED CHOIR

**GRADE:** 9-12

**CREDIT:** 1

**PREREQUISITE:** NONE

This choir will participate in District and State festivals and will present appropriate concerts during the school year. We will focus on creating and sustaining proper breath support for singing, correct vowel placement, and a pure and even vocal tone. This will be achieved through rigorous and fun SATB (mixed choir) music. Students will also learn to read music, identify and write key signatures. This choir will sight-sing daily using a system of solfege syllables (Do Re Mi, etc.) to create singers who are also intelligent musicians. . This class is co-curricular and has mandatory concerts 4-5 times during the year.

**COURSE:** 1102 - BAND: HIGH SCHOOL

**GRADE:** 9-12

**CREDIT:** 1

**PREREQUISITE:** COMPLETED 8<sup>th</sup> GRADE BAND AND / OR INSTRUCTOR PERMISSION

This class is open to all students who have completed the necessary requirements of junior high band or have permission from the director to enroll. All band students must attend a camp in August before school starts. In the fall, the band is involved in Marching Band. In the spring the Band will participate in District and State Festivals and will present appropriate concerts during the school year. Students Enrolled in Band will have the opportunity to try-out for All-District and All-State Band and participate in a Solo/Ensemble Festival. All band students must obtain a band handbook from the director before enrolling and be aware of all class requirements.

**COURSE:** 1103 - HS STRINGS/ ORCHESTRA

**GRADE:** 9-12

**CREDIT:** 1

**PREREQUISITE:** PERMISSION FROM DIRECTOR

This course is open to all students who have prior experience playing a bowed string instrument. Students will study contemporary styles of string playing and music from different historical periods. Individual practice and attendance at all performances will be required. Students will also have the opportunity to audition for regional honors orchestras and the Kentucky All-State Orchestra and may participate in the KMEA Solo and Ensemble event in the spring.

**COURSE:** 1114 - PERFORMING ARTS

**GRADE:** 10-12

**CREDIT:** 1

**PREREQUISITE:** AUDITION AND / OR RECOMMENDATION

This course will explore various art forms such as vocal music, musical theatre, dance, speech, and drama but will also seek to provide individual performance instruction for students. Some course topics will include Effective Audition Preparation, Achieving Healthy Vocal Tone, Basics of Choreography, How to Direct a Play Production, Behind the Scenes: What it Means to be a Stage Manager, Combining Business and the Arts: a Study of Theatre Management and Music Business, and studies of specific plays, musicals, composers, performers, and musical genres. This course is designed for students interested in theatre, musical theatre, vocal music, and/or speech, who may plan on auditioning for Governor's School for the Arts and/or a college music or theatre program

# PHYSICAL EDUCATION DEPARTMENT

**COURSE:** 1202 - HEALTH & SAFETY

**GRADE:** 9-12

**CREDIT:** ½

**PREREQUISITE:** NONE

This course will present to the student sufficient anatomy to understand the structure of the human body and enough physiology to understand its functions. It will provide practical information relating to infectious diseases and modern methods of dealing with his own health and involve the student in public health programs in which they, as individuals, have both a concern and an active part.

**COURSE:** 1204 - PHYSICAL EDUCATION I : RECREATIONAL ACTIVITIES

**GRADE:** 9

**CREDIT:** ½

**PREREQUISITE:** NONE

Physical education through team and individual sports. Team sports include soccer, touch football, softball, basketball, and volleyball. Individual sports are weight lifting, table tennis, etc. This course satisfies the State of Kentucky requirement for graduation.

**COURSE:** 1209 - PHYSICAL EDUCATION II : RECREATIONAL ACTIVITIES AND WEIGHT LIFTING

**GRADE:** 10-12

**CREDIT:** ½

**PREREQUISITE:** PHYSICAL EDUCATION I

Available for students in grades 10, 11, and 12 that have completed P.E. I and wish to take additional physical education courses. This course is an advanced physical education course for the development of physical well-being. This course does not satisfy the State of Kentucky physical education requirement for graduation, but will count as an elective.

**COURSE:** 1212 - PHYSICAL EDUCATION IV: SWIMMING

**GRADE:** 10-12

**CREDIT:** ½

**PREREQUISITE:** PHYSICAL EDUCATION I

This course is designed to determine each student's individual swimming needs from the beginner to the lifesaver and provide programs to meet these needs. This course is student centered, self-directed, and self-paced. This course does not satisfy the State of Kentucky physical education requirement for graduation, but will count as an elective.

**COURSE:** 1214 - PHYSICAL EDUCATION IV : ADV SWIMMING (Lifeguarding)

**GRADE:** 10-12

**CREDIT:** ½

**PREREQUISITE:** PHYSICAL EDUCATION I AND MUST BE 15 YEARS OF AGE OR OLDER AND ABLE TO SWIM AT LEAST 20 LAPS

This course is designed for the experienced swimmer wishing to obtain Red Cross Certification in lifesaving and CPR. The course will include: advanced swimming techniques, drown proofing, lifesaving skills, and basic CPR. The course will also include classroom-type work and student must pass a written exam as well as swimming in order to obtain certification. Upon successful completion of this course the student will be able to obtain employment as a lifeguard. This course is designed for the student wishing to join the swim team and/or obtain lifeguarding certification but does not possess the swimming skills or endurance. The course will focus on building swim endurance and learning the competitive swim strokes. This course does not satisfy the State of Kentucky physical education requirement for graduation, but will count as an elective.

**COURSE:** 1216 or 1218 - DRIVER'S EDUCATION

**GRADE:** 10-12

**CREDIT:** ½

**PREREQUISITE:** VALID DRIVER'S PERMIT / DRIVER'S LICENSE

This course is designed to equip students with basic qualities of safe driving, knowledge of variables, skills of manipulation, and a positive attitude toward driving. Students must have a valid driver's permit or driver's license before enrolling in this course.

**WRITTEN TESTS WILL BE GIVEN IN ALL PHYSICAL EDUCATION CLASSES OVER MATERIAL COVERED IN CLASS AT THE DISCRETION OF THE INSTRUCTOR.**



# SCIENCE DEPARTMENT

**COURSE:** 316 - BIOLOGY

**GRADE:** 9-12

**CREDIT:** 1

**PREREQUISITE:** NONE

This course is an introduction to the life sciences. It is a prerequisite for those interested in pursuing a science related field. The course will explore, through class discussions and laboratory experiences, concepts in the following areas of study: the cell, cell transport, cell division, genetics & inheritance, classification, biomolecules and ecology.

**COURSE:** 317 - BIOLOGY - PRE-AP

**GRADE:** 9

**CREDIT:** 1

**PREREQUISITE:** TEACHER REFERRAL

This course is for those wishing to take AP Biology (and the College Board) during their junior or senior year. Units covered will include: I. Molecules and cells, biochemistry, photosynthesis, respiration, cell division and cell structure; II. Genetics and Evolution; III. Organisms and population, basic comparative structure & function and ecology. Students should be willing to explore topics both independently and through lecture & discussion. This course will cover the core content of biology; it will be a more thorough, challenging class. This class is lab-based.

**COURSE:** 318 - AP BIOLOGY

**GRADE:** 11-12

**CREDIT:** 1

**PREREQUISITE:** PRE-AP BIOLOGY WITH A GRADE OF "B" OR BETTER AND CHEMISTRY OR PHYSICS WITH A GRADE OF "B" OR BETTER AND TEACHER RECOMMENDATION

This course is for those wishing to take the exam for Advanced Placement credit. Units covered will include: I. Molecules and cells, biochemistry, photosynthesis, respiration, cell division and cell structure; II. Genetics and Evolution; III. Organisms and population, basic comparative structure and function and ecology. Students should be willing to explore topics both independently and through lecture & discussion. At the completion of the course, students will be expected to take the national Advanced Placement Exam for college credit. These exams are given in May of each year on a fee basis.

**COURSE:** 306 - INTRO TO CHEMISTRY AND PHYSICS

**GRADE:** 10-12

**CREDIT:** 1

**PREREQUISITE:** BIOLOGY

This class is open to any student interested in a practical course of study involving the physical sciences. Approximately half the course will be devoted to chemistry and half the course to physics. Classwork will consist of lecture, demonstrations, and lab. Topics covered include matter, energy, forces, atoms, elements, chemical reactions, nuclear chemistry, organic chemistry, and electricity. Other topics may be covered as time allows.

**COURSE:** 308 - CHEMISTRY

**GRADE:** 10-12

**CREDIT:** 1

**PREREQUISITE:** ALGEBRA I WITH A GRADE OF "C" OR BETTER

This course is recommended for those students who plan to go on to college but not necessarily major in science. Students will study matter and the changes matter undergoes. This involves the structure and properties of the atom on a submicroscopic scale to macroscopic changes dealing with compounds, acids and bases, etc. Laboratory experience will be included in the course. Students will not be charged a lab fee, but will be expected to pay for equipment that they might break.

**COURSE:** 310 - CHEMISTRY - PRE-AP

**GRADE:** 10-12

**CREDIT:** 1 - Dual Credit with WKU

**PREREQUISITE:** ALGEBRA I WITH A GRADE OF "B" OR BETTER AND TEACHER RECOMMENDATION

**COST:** \$210.00 if taken for WKU credit

Students who are considering majoring in a science (including all medical fields, engineering, etc.) or students whom enjoy learning at a more in-depth level should take this class. Chemistry Pre-AP will move faster and cover more material than the general chemistry course. Students will actually use a college chemistry text and do several college chemistry labs. Students will not be charged a lab fee, but will be expected to pay for equipment that they might break.

**COURSE:** 312 - AP CHEMISTRY

**GRADE:** 11-12

**CREDIT:** 1

**PREREQUISITE:** CHEMISTRY-PRE-AP WITH GRADE OF "B" OR HIGHER AND ALGEBRA II

AP Chemistry is designed for those students who are considering taking the AP exam for advanced placement credit. These are students who are considering majoring in a science, pre-med or a similar area in college. Concentration areas of this course are kinetics, equilibrium, thermochemistry, electrochemistry and organic chemistry. Some time will also be spent on other topics but the areas of emphasis will be on these topics. Labs will accompany each topic and some labs may require extra time outside the regular school day. The course is fast paced and students must be willing to put in the time and effort.

**COURSE: 320 - CONCEPTUAL PHYSICS****GRADE: 10-12****CREDIT: 1****PREREQUISITE: ALGEBRA I & GEOMETRY****CO-REQUISITE: ALGEBRA II, ALGEBRA III, PRE-CALCULUS, CALCULUS AB OR CALCULUS BC**

Conceptual physics is a course in which the major concepts of physics are covered without as much mathematical rigor as in more formal course. The emphasis is on developing a qualitative conceptual understand of general principles and models and on the nature of scientific inquiry. It is assumed that some algebra and very simple trigonometry is familiar to the student. Some topics include: motion, Newton's Laws, momentum, gravitation, energy, heat, structure of matter, electricity, sound, and light.

**COURSE: 323 - AP PHYSICS 1****GRADE: 10-12****CREDIT: 1****PREREQUISITE: GEOMETRY AND BE CONCURRENTLY TAKING ALGEBRA II OR AN EQUIVALENT COURSE**

AP Physics 1 replaces AP Physics B. Students successfully completing AP Physics 1 may elect to take AP Physics 2 or AP Physics C (Mechanics) during the next academic year.

AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian Mechanics (including rotational motion); work, energy and power; mechanical waves and sound; and introductory simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. At the collegiate level, this course is often required or recommended in order to complete programs of study in the life sciences and pre-professional programs in medicine, veterinary science, pharmacy and physical therapy, just to name a few. This course will also prepare the student for continuing study in physics, chemistry and engineering.

This course is based on six Big Ideas, which encompass core scientific principles, theories and processes that cut across traditional boundaries and provide a broad way of thinking about the physical world. See the physics teacher for more information.

**COURSE: 324 - AP PHYSICS 2****GRADE: 11-12****CREDIT: 1****PREREQUISITE: SUCCESSFUL COMPLETION OF AP PHYSICS 1**

AP Physics 2 is an algebra-based, introductory college-level physics course that explores topics such as fluid mechanics, thermodynamics, electrostatics, electric current, magnetism, waves and optics, and modern physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. At the collegiate level this course is often required or recommended in order to complete programs of study in the life sciences and pre-professional programs in medicine, veterinary science, pharmacy, and physical therapy, just to name a few. This course will also prepare the student for continuing study in physics, chemistry, and engineering. The course is based on six Big Ideas, which encompass core scientific principles, theories, and processes that cut across traditional boundaries and provide a broad way of thinking about the physical world. See the physics teacher for more information.

**COURSE: 325 - ANATOMY AND PHYSIOLOGY****GRADE: 11-12****CREDIT: 1****PREREQUISITE: BIOLOGY AND CHEMISTRY WITH A GRADE OF "C" OR BETTER**

Course open to any junior or senior interested in technical and pre-professional preparation in the health field or college preparation. The organ systems will be studied through the use of dissection, lecture, and discussion. Students will be required to complete one cumulative project per quarter, for example: torso t-shirts, holiday models, interviews, and cell cakes.

**COURSE: 326 - AP ENVIRONMENTAL SCIENCE****GRADE: 10-12****CREDIT: 1****PREREQUISITE: COMPLETION OF BIOLOGY AND CHEMISTRY WITH A GRADE OF "B" OR HIGHER**

The AP Environmental Science course is designed to be the equivalent of a one- semester introductory college course in environmental science. This course is a rigorous science course that stresses scientific principles and analysis and includes a laboratory component. The AP Environmental Science course has been developed to be most like the former; as such, it is intended to enable students to undertake, as first-year college students, a more advanced study of topics in environmental science or, alternatively, to fulfill a basic requirement for a laboratory science and thus free time for taking other courses.

**COURSE: 336 - SPECIAL TOPICS IN BIOLOGICAL SCIENCE (GENETICS)****GRADE: 11-12****CREDIT: 1/2****PREREQUISITE: BIOLOGY AND CHEMISTRY OR PHYSICS OR EARTH SCIENCE**

Students will review basic concepts in genetics, evolutionary biology, and developmental biology while expanding their knowledge in these fields. The course will incorporate lecture, laboratory, and simulations on the following topics: the molecular basis of heredity, classical genetics, population genetics, cytogenetics, developmental biology, and molecular biology. An emphasis will be placed on common human genetic mutations and disorders.

**COURSE: 340 - INTEGRATED SCIENCE****GRADE: 10-12****CREDIT: 1****PREREQUISITE: NONE**

This course will offer both the Earth and Space Sciences. The astronomy section will start with a broad view of the universe and then get more local as we move to galaxies, the solar system and the Earth and moon. The Earth Science portion will deal with the events that shape the Earth. Topics will include weathering, erosion, weather, volcanoes, earthquakes, Plate Tectonics, etc. Students will complete laboratory experiments to increase understanding of key concepts.

**COURSE:** 342 - FORENSIC SCIENCE

**GRADE:** 11-12

**CREDIT:** ½

**PREREQUISITE:** **BIOLOGY AND CHEMISTRY OR PHYSICS OR EARTH SCIENCE**

This course is an investigation into the methods employed by the forensic chemist. Students will analyze crime scene simulations and explore the evolution of forensic chemistry in the last century. Lecture and laboratory topics can include serology, toxicology, DNA and fingerprint analysis, arson, firearm, and explosives investigation, document, hair, fiber and paint microscopy, and forensic entomology. Discussions will explore the depiction of forensics in contemporary media and an ethical decision making model concerning the fate of a serial killer. The students' knowledge of chemistry and biology will expand along with their skills of deductive reasoning.

# SOCIAL STUDIES DEPARTMENT

**COURSE:** 402 - WORLD CIVILIZATION

**GRADE:** 9-12

**CREDIT:** 1

**PREREQUISITE:** NONE

An inclusive record of the conflicts, contributions and life of civilizations. Includes beginning of these civilizations: the Golden Ages, Renaissance and Reformation, the Rise of the West and the upheavals of the contemporary world.

**COURSE:** 406 - AP EUROPEAN HISTORY

**GRADE:** 10-12

**CREDIT:** 1

**PREREQUISITE:** NONE

AP European History is a **college-level** course that focuses on developing a greater understanding of the western world. This course covers the period from the Renaissance to the present day. Following the goals of the Advanced Placement Program in European History, this course will provide a basic narrative of historical events centered in Europe and focused on the principal themes in modern European history; ample opportunities to analyze historical evidence and frequent practice in analytical writing. In addition, role-playing, debate, peer teaching, as well as discussion will be used to achieve these goals.

**COURSE:** 407 - AP WORLD HISTORY

**GRADE:** 9

**CREDIT:** 1

**PREREQUISITE:** NONE

AP World History is a **college-level** course that focuses on developing a greater understanding of the period of history (seven periods beginning 8000 B.C. to today) and of different human societies by examining their commonalities and differences across time and across cultures. Successful student will be **self-motivated, disciplined learners with strong verbal skills** willing to devote time and energy to improving analytical skills and factual knowledge through college level readings and critical analysis. A summer reading assignment focused on the earliest period of history may be required. Students may choose to take the AP World History exam for possible college credit. **Open to freshmen only**, students selecting AP World History are strongly encouraged to also register for APP Freshman English.

**COURSE:** 450 - WORLD CIVILIZATION SINCE 1648 - HY120

**GRADE:** 12

**CREDIT:** 1 - Dual Credit with WKU

**PREREQUISITE:** COMPLETION OF SOCIAL STUDIES CREDITS FOR GRADUATION

**COST:** \$210.00 if taken for WKU credit

Dual credit enrollment with Western Kentucky University. A survey of the political, social, cultural and economic phases of western civilization since 1648. Students enrolling in this class will be required to register for high school student status at WKU and pay tuition to WKU before the first class meeting. Successful completion of this course will result in 3 hours of college credit at WKU, transferable at the discretion of other universities and colleges.

**COURSE:** 408 - UNITED STATES HISTORY

**GRADE:** 10-12

**CREDIT:** 1

**PREREQUISITE:** NONE

A chronological study of our country's history from the colonial period to the present day. Emphasis on developments since the Civil War.

**COURSE:** 412 - AP UNITED STATES HISTORY

**GRADE:** 10-12

**CREDIT:** 1

**PREREQUISITE:** NONE

This course is designed for those students who have a curiosity about the why and how of human events. Following the goals of the Advanced Placement Program in American History, this course will provide a basic narrative of historical events and movements covering the period 1450 through 1970. In addition, the student will be given the opportunity to develop an understanding of the principal themes in modern American History, to develop an ability to analyze historical evidence, and to develop an ability to express that understanding and analysis in writing. Role-playing, debate, discussion, peer teaching as well as writing will be used to achieve these goals.

**COURSE:** 414 - POLITICAL SCIENCE (GOV'T/ECONOMICS)

**GRADE:** 11-12

**CREDIT:** 1

**PREREQUISITE:** NONE

A study of how government operates and affects our lives at the local, state and national level. Includes analysis of elections and voting behavior.

**COURSE:** 416 - AP GOVERNMENT & POLITICS: U.S. (GOVERNMENT / ECONOMICS)

**GRADE:** 11-12

**CREDIT:** 1

**PREREQUISITE:** NONE

Advanced Placement Government and Politics: U.S. and Comparative is a study of the basic instructions, issues and problems involving United States Government and the other major governmental systems in existence in the world today. It will include the use of primary and secondary sources in the study of Government and Politics. The course is available to students who plan to attend college and prepares them to take the advanced placement exam in Government and Politics: United States and Comparative.

**COURSE: 417 - AP COMPARATIVE GOVERNMENT AND POLITICS**

**GRADE: 11-12**

**CREDIT: 1**

**PREREQUISITE: NONE**

This course aims to introduce students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. Students will study the rich diversity of political life to show available institutional alternatives, to explain differences in processes and policy outcomes and to communicate to students the importance of global political and economic changes. The class will include the study of government in six countries from the core of the Advanced Placement program which includes China, Great Britain, Iran, Mexico, Nigeria and Russia as well as the European Union. Students taking the course will be eligible to take the AP Comparative Government and Politics test administered by the College Board for possible college credit.

**COURSE: 420 - PSYCHOLOGY**

**GRADE: 10-12**

**CREDIT: ½**

**PREREQUISITE: NONE**

An introductory study of the behavior of organisms. Includes understanding of behavior, heredity and environment, personality sensations, emotions, frustrations and conflict and social influences.

**COURSE: 422 - LAW AND JUSTICE**

**GRADE: 9-12**

**CREDIT: ½**

**PREREQUISITE: RECOMMENDED JUNIORS/SENIORS ONLY**

A broad survey of accumulated knowledge concerning various forms of criminal types and behavior with concentration on: understanding of the total crime problem, role of law enforcement with emphasis on technique, understanding of our court systems, and study of corrections (prisons, jails, youth centers, etc.).

**COURSE: 452 - AP PSYCHOLOGY**

**GRADE: 11-12**

**CREDIT: 1**

**PREREQUISITES: NONE**

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles and phenomena associated within psychology. Students also learn about the ethics and methods of psychologists use in their science and practice.

**COURSE: 454 - AP HUMAN GEOGRAPHY**

**GRADE: 9-12**

**CREDIT: 1**

**PREREQUISITES: NONE**

The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. Students also learn about the methods and tools geographers use in their science and practice.

# SPECIAL PROGRAMS

**COURSE: 1752 - ELEMENTARY SCHOOL TEACHER AIDE / TUTOR**

**GRADE:** 12

**CREDIT:** 2

**PREREQUISITES:** ON TRACK TO GRADUATE, GOOD DISCIPLINE AND GOOD ATTENDANCE

This course will allow seniors to give back to a Bowling Green elementary school by serving as a teacher's aide, tutor and mentor to a group of elementary children. The class would involve working closely with an elementary teacher and working under their direct supervision during a two period block of the school day. Students will be required to attend specific orientation and training that may or may not occur during the school day. Students will be expected to dress and act in an appropriate manner that will enhance the experiences of elementary school students. Periodic evaluations will be conducted and satisfactory progress is required to remain as a teacher's aide.

**COURSE: 2000 - PEER TUTOR**

**GRADE:** 9 and 12

**CREDIT:** 1

**PREREQUISITES:** TEACHER APPROVAL and 9<sup>th</sup> graders must take an excel class to participate

**COURSE: 1750 - RENAISSANCE LEADERSHIP**

**GRADE:** 10-12

**CREDIT:** 1

**PREREQUISITES:** TEACHER APPROVAL

**COURSE: 1761 or 1762 - WORK BASED LEARNING**

**GRADE:** 12

**CREDIT:** 1 or 2

**PREREQUISITES:** TEACHER APPROVAL

# WORLD LANGUAGES DEPARTMENT

ALL SPEAKERS OF SPANISH, FRENCH, GERMAN OR ARABIC AS A FIRST LANGUAGE WILL BE INSTRUCTED TO TAKE A LANGUAGE DIFFERENT FROM THEIR HOME LANGUAGE IF THEY ARE INTERESTED IN STUDYING ANOTHER LANGUAGE. THEY WILL BE REMINDED THAT THE STATE OF KENTUCKY WILL COUNT TWO YEARS OF STUDY IN ESL--ENGLISH AS A SECOND LANGUAGE--AS THEIR REQUIREMENT FOR TWO YEARS OF A FOREIGN LANGUAGE. NATIVE SPEAKERS -- THOSE WHO SPEAK SPANISH, GERMAN, FRENCH OR ARABIC AT HOME, OR HAVE GROWN UP IN A HOUSEHOLD WHERE ONE OF THE MENTIONED LANGUAGES IS THE FIRST LANGUAGE -- WILL NOT BE ALLOWED TO TAKE LOWER LEVEL CLASS INSTRUCTION UNLESS APPROVED BY THE TEACHER OF THE CLASS.

IF NATIVE SPEAKERS WISH TO ENROLL IN UPPER LEVEL LANGUAGE CLASSES THEY MUST HAVE A MINIMUM AVERAGE OF A GRADE OF "B", AND EXHIBIT AN ACCURATE KNOWLEDGE OF READING AND WRITING IN THEIR LANGUAGE, OR THEY WILL NOT BE ALLOWED TO TAKE THE CLASS. THESE CLASSES ARE TAUGHT AT PRE-AP AND AP LEVELS, AND THE GRADE POINT AVERAGE IS A REQUIREMENT FOR ALL STUDENTS, AND NECESSARY FOR THE INTEGRITY OF THE CLASSES.

**COURSE: 901 - SPANISH I**

**GRADE: 9-12**

**CREDIT: 1**

**PREREQUISITE: NONE**

Provides an introduction to the language and culture of the Spanish speaking world. The objectives are to help each student obtain an acceptable degree of proficiency in the four skills of listening, speaking, reading, and writing and to present the language within the context of the contemporary Spanish speaking world and its culture.

**COURSE: 902 - SPANISH II**

**GRADE: 9-12**

**CREDIT: 1**

**PREREQUISITE: SPANISH I**

Presents the more complex structures of basic Spanish and expands the cultural themes of the first level. By the end of Spanish II, students will have acquired a command of key vocabulary and structures for personal understanding, as well as, an appreciation of the breadth and variety of the Spanish speaking world.

**COURSE: 909 - ACCELERATED SPANISH II**

**GRADE: 9-10**

**CREDIT: 1**

**PREREQUISITE: Spanish I with a grade of 80% or higher and teacher recommendation**

This course is intended for students who plan to take the AP Spanish Language and Culture course. Accelerated Spanish II will cover the same topics as Spanish II at a more rigorous level. Accelerated Spanish II is not a prerequisite for Spanish III.

**COURSE: 903 - SPANISH III**

**GRADE: 10-12**

**CREDIT: 1**

**PREREQUISITE: SPANISH II WITH A GRADE OF 80% OR HIGHER**

The third year in Spanish focuses on proficiency in discussion, grammar and composition. This course prepares students for college/university placement tests.

**COURSE: 904 - SPANISH IV**

**GRADE: 11-12**

**CREDIT: 1**

**PREREQUISITE: SPANISH III WITH A GRADE OF 80% OR HIGHER**

Expands on the basic grammar and vocabulary in Spanish III. Students will also be expected to read in Spanish selected literary works from Latin America and Spain. This course also prepares the students for the CLEP test in college.

**COURSE: 905 - AP SPANISH LANGUAGE & CULTURE**

**GRADE: 11-12**

**CREDIT: 1**

**PREREQUISITE: SPANISH III WITH A GRADE OF 80% OR HIGHER**

The Advanced Placement Spanish Language and Culture course is the equivalent of a third year class at the college/university level. This class is designed to provide students with opportunities to improve their proficiency in listening, reading, writing and speaking skills in order to be ready for the AP Spanish Language and Culture Exam. This class will follow the guidelines set forth by the College Board.

**COURSE: 908 - SPANISH 102 (SPANISH III)**

**GRADE: 10-12**

**CREDIT: 1 - Dual Credit with WKU**

**PREREQUISITE: Spanish I and II with an 80% minimum grade**

**COST: \$210.00 if taken for WKU credit**

Spanish 102 is a second semester introductory college level class that is a cooperative program between BGHS and Western Kentucky University enabling students to earn dual credit-both in high school and college. The course taught is WKU's Spanish 102 and equivalent to BGHS's Spanish III.

**COURSE: 911 - FRENCH I**

**GRADE: 9-12**

**CREDIT: 1**

**PREREQUISITE: NONE**

This is a study of the French language with emphasis on grammatical concepts, speaking, reading, writing, and culture, which is covered at every level of the language.

**COURSE: 912 - FRENCH II**

**GRADE: 10-12**

**CREDIT: 1**

**PREREQUISITE: FRENCH I**

French II is basically a review and continuation of French I. Areas of study include: 1) Complex structures in grammar, 2) Advanced conversation, 3) Writing using complex structures, 4) Reading, listening, understanding at a higher level.

**COURSE: 913 - FRENCH III**

**GRADE: 10-12**

**CREDIT: 1**

**PREREQUISITE: FRENCH II WITH A GRADE OF 80% OR HIGHER**

This course is an Independent Study. It introduces the students to literary readings and continues to expand their ability to communicate in French using all language skills.

**COURSE: 914 - FRENCH IV**

**GRADE: 11-12**

**CREDIT: 1**

**PREREQUISITE: FRENCH III WITH A GRADE OF 80% OR HIGHER**

An Independent Study course designed for those who intend to take languages or the CLEP test in college. The emphasis is placed on audio-lingual skills while continuing a review of grammar, and a variety of readings. Each student reads a French novel and a play.

**COURSE: 915 - AP FRENCH LANGUAGE**

**GRADE: 11-12**

**CREDIT: 1**

**PREREQUISITE: FRENCH III WITH GRADE OF "A"**

The Advanced Placement French language course covers the equivalent of a third year college course in composition and conversation stressing oral skills and grammar. The objectives are: 1. Ability to comprehend formal and informal spoken French, 2. Acquisitions of vocabulary and a grasp of structure to allow reading of newspaper and magazine articles as well as French literature, 4. Ability to express ideas orally and accurately. Students taking this class will be expected to do independent study along with the regular class work offered in French III and French IV to prepare for the Advanced Placement Exam. At the completion of the course, the student may elect to take the National Advanced Placement Exam for third year college credit.

**COURSE: 921 - GERMAN I**

**GRADE: 9-12**

**CREDIT: 1**

**PREREQUISITE: NONE**

German I will focus on developing communicative skills in everyday German. Equal weight is given to basic grammatical concepts, listening, speaking, reading, writing and culture.

**COURSE: 922 - GERMAN II**

**GRADE: 10-12**

**CREDIT: 1**

**PREREQUISITE: GERMAN I**

Continues German I. Areas of study include: 1) intermediate grammar, 2) practice reading short narratives, 3) development of listening and speaking through role play and dialogue, 4) writing, 5) cultural projects.

**COURSE: 923 - GERMAN III**

**GRADE: 10-12**

**CREDIT: 1**

**PREREQUISITE: GERMAN II WITH A GRADE OF 80% OR HIGHER**

Independent study course which deals with the language and culture through the reading of various types of text. Areas of study include: 1) one novel, 2) study of feature-length films, 3) cultural projects, 4) composition, 5) advanced grammar.

**COURSE: 924 - GERMAN IV**

**GRADE: 11-12**

**CREDIT: 1**

**PREREQUISITE: GERMAN III WITH A GRADE OF 80% OR HIGHER**

This course expands on the basic grammar and vocabulary in German III. Students will also be expected to read in German selected literary works. This class prepares the students for the CLEP test in college.

**COURSE: 925 - AP GERMAN LANGUAGE**

**GRADE: 11-12**

**CREDIT: 1**

**PREREQUISITE: GERMAN III WITH A GRADE OF 80% OR HIGHER**

The Advanced Placement German language course will be offered on a limited, instructor-approved basis. It covers the equivalent of a third year college course in composition and conversation, stressing oral skills, reading comprehension, culture, writing and grammar. The objectives are: 1. Ability to comprehend formal and informal spoken German, 2. Acquisition of vocabulary and a grasp of structure to allow reading of newspaper articles, historical narratives and German literature. 3. Ability to compose expository passages. 4. Ability to converse on a range of everyday topics. Students taking this class will be expected to do independent study along with the regular class work offered in German IV to prepare for the Advanced Placement Exam. At the completion of the course, the student may elect to take the National Advanced Placement Exam for third year college credit.



**COURSE:** 926 - GERMAN 102 (GERMAN III)  
**GRADE:** 10-12  
**CREDIT:** 1 - Dual Credit with WKU  
**PREREQUISITE:** German I and II with an 80% minimum grade  
**COST:** \$210.00 if taken for WKU credit

Students develop speaking, writing, reading, and listening comprehension skills in German. Following a brief review of elementary German, more advanced grammatical forms and vocabulary will be covered. German 102 is a second semester introductory college level class that is a cooperative program between BGHS and Western Kentucky University enabling students to earn dual credit-both in high school and college. The course taught is WKU's German 102 and equivalent to BGHS's German III/IV. Students successfully completing this class with at least an 80% average will be able to continue on to German IV and German IV/AP at BGHS.

# WARREN COUNTY AREA TECHNOLOGY CENTER

The Warren County Area Technology Center, located in northern Warren County on Louisville Road, has program offerings for high school seniors. BGHS students will travel by school bus to the center to attend the morning session of classes. Classes at the center begin at 8:00 a.m., meaning any student wishing to attend these classes will need to arrive at BGHS before the start of the school day to ride the bus to the location. Students will return to BGHS where they will attend the afternoon classes on campus. Those attending the technology center will earn 2 credits per semester at the high school level while also receiving credit toward a degree program at the technology center. An application process is required.

## INFORMATION TECHNOLOGY

### **1623 Intro to Database Design (IT 170)**

#### **Prerequisite: Algebra**

Provides an overview of database management system (DBMS) concepts, internal design models, network communications architectures, development tools, and applications.

### **1624 Database Systems Implementation and Management (IT 270)**

#### **Prerequisite: IT 170**

This course introduces the student to advanced topics in database design, implementation and administration. Students will complete realistic database projects such as data warehousing, web-enabled database access, data import/export conversion tasks, and implementing database access using two and three-tier architectures. The projects will have documented backup and security plans, as well as data dictionaries. The student will become acquainted with important administrative functions of relational database systems.

### **1625 Computer Software Maintenance (ET 232)**

Maintenance of the personal computer with an emphasis on installation, upgrading, and configuration of the operating system. Memory management, boot sequences, printing subsystem, application software, and networking are also covered. Troubleshooting is the main focal point including viruses. This is one of two courses which prepare students for the industry certification exams.

### **1601 Computer Hardware Maintenance (ET 234)**

Introduction to the maintenance of computer workstation hardware, including set-up of workstation for network and Internet access. Internal addressing, architecture, interrupts, complete PC construction, and basic troubleshooting will be focal points. This is one of two courses which prepare students for the industry certification exams.

### **1602 Visual Basic I (CIS 148)**

#### **Prerequisite: CIS 120**

This course is designed to provide students with the knowledge and skills to code, execute, and document comprehensive programs in Visual Basic. The programs will involve use of forms for input/output, controls to trigger events, structures to control program execution, sequential and random access of files, arrays, and error handling.

### **1604 Cisco Internetworking I (IT 120)**

CCNA Semester 1. This is the first of four courses that lead to the Cisco Certified Network Associate (CCNA) certification (640-801 CCNA or 640-821 INTRO). CCNA 1 introduces Cisco Networking Academy Program students to the networking field. The course focuses on network terminology and protocols, local-area networks (LANs), wide-area networks (WANs), the Open system Interconnection reference (OSI) model, cabling, cabling tools, routers, routing fundamentals, Ethernet, Ethernet switching, Internet Protocol (IP) addressing, and network standards.

### **1605 Cisco Internetworking II (IT 122)**

#### **Prerequisite: IT 120**

CCNA Semester 2. CCNA 2 Router and Routing Basics is the second of the four courses leading to the Cisco Certified Network Associate (CCNA) certification (640-801 CCNA or 640-821 INTRO). CCNA 2 is an integral step towards achieving CCNA certification. CCNA 2 continues to familiarize Cisco Networking Academy Program students to the networking field. The course focuses on initial router configuration, Cisco IOS Software management, routing protocol configuration, TCP/IP, and access control lists (ACLs).

### **1606 Introduction to Geographical Information System (IT 160)**

This is an introductory course designed to relate the basic theories and concepts of geographical information systems. Basic GIS capabilities, data collection, data types, GPS, and basic mapping concepts are discussed. Students will be introduced to GIS software using industry specific applications and technology in order to provide a conceptual base to build expertise in GIS.

### **1626 GIS Software Tools (IT 260)**

#### **Prerequisite: IT 160**

GIS extensions are software modules that plug into the core product to deliver powerful added functionality. This class introduces some of the most popular advanced extensions used for network analysis, spatial analysis, and 3D Analysis.

### **1607 Cisco Internetworking III (IT 220)**

CCNA 3: Switching Basics and Intermediate Routing v3.0 is the third of four courses that lead to the Cisco Certified Network Associate (CCNA) designation (640-801 CCNA or 640-811 ICND). The course focuses on Variable Length Subnet Masking (VLSM), RIP v2, single area Open Shortest Path First (OSPF), Enhanced Interior Gateway Routing Protocol (EIGRP), command-line interface (CLI) switch configuration, Ethernet switching, Virtual LANS (VLANs), Spanning-Tree Protocol (STP), and VLAN Trunking Protocol (VTP). CCNA 3 students are expected to apply information from CCNA 1, 2, and 3 to a network and to explain how and why a particular strategy is employed.

### **1608 Cisco Internetworking IV (IT 222)**

#### **Prerequisite: IT 220**

CCNA 4: WAN Technologies v3.0 is the last of four courses that lead to the Cisco Certified Network Associate (CCNA) designation (640-801 CCNA or 640-811 ICND). The course focuses on Network Address Translation (NAT), Port Address Translation (PAT), Dynamic Host Configuration Protocol (DHCP), WAN technology and terminology, Point-to-Point Protocol (PPP), Integrated Services Digital Network (ISDN), dial-on-demand routing (DDR), Frame Relay, and network management. CCNA 4 v3.0 students are expected to apply information from CCNA 1, 2, 3, and 4 to a network and to explain how and why a particular strategy is employed. In addition, the students will prepare for the CCNA Certification Exam.

### **1627 Cooperative Education I (IT 199)**

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.

### **1610 Basic Welding A (WLD 151)**

#### **Prerequisite: NONE**

Introduction to welding, cutting processes, and related equipment. Basic setup, operation, and related safety are applied.

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**1611 Basic Welding B (WLD 152)**

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**Prerequisite: NONE**

An Introduction to common cutting processes used in industry. theory, setup, operation, and related safety are applied.

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**1612 Oxy-Fuel Systems (WLD 100)**

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**Co-requisite: WLD 101 or Consent of Instructor**

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.

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**1613 Oxy-Fuel Systems Lab (WLD 101)**

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**Co-requisite: WLD 100 or Consent of Instructor**

Manipulative skills necessary to weld and cut plate and pipe in all positions, as well as brazing, braze welding and gouging.

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**1614 Cutting Processes (WLD 110)**

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**Co-requisite: WLD 111 or Consent of Instructor**

A working knowledge of various cutting processes used by the welding industry. Will include, but is not limited to, safety, theory of operation, setup and operating techniques, troubleshooting, and making minor equipment repairs, terms and definitions, identification, evaluation, repair and prevention of discontinuities of cut surfaces. Includes oxy-fuel cutting, plasma arc cutting, exothermic cutting, air carbon arc cutting, shielded metal arc cutting, and mechanical cutting process.

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**1615 Shielded Metal Arc Welding (SMAW) (WLD 120)**

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**Co-requisite: WLD 121 or Consent of Instructor**

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.

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**1616 SMAW Fillet Lab (WLD 121)**

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**Co-requisite: WLD 120 or Consent of Instructor**

Provides laboratory experiences in which the student acquires the manipulative skills to perform fillet welds in all positions.

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**1617 Gas Tungsten Arc Welding (WLD 130)**

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**Co-requisite: WLD 131 or Consent of Instructor**

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.

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**1618 Gas Tungsten Arc Welding Fillet Lab (WLD 131)**

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**Co-requisite: WLD 130 or Consent of Instructor**

Teaches the necessary manipulative skills needed to apply the Gas Tungsten Arc on various joint designs, on plate with both ferrous and non-ferrous metals. Plasma Arc cutting is included.

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**1619 Gas Metal Arc Welding (WLD 140)**

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**Prerequisite: NONE**

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.

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**1620 GMAW Fillet Lab (WLD 141)**

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**Co-requisite: WLD 140 or Consent of Instructor**

Teaches the practical application and manipulative skills of Gas Metal Arc Welding and the proper safety situations needed in this process. Both ferrous and non-ferrous metals will be covered, as well as various joint designs on plate in all positions.

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**1621 GMAW Groove Lab (WLD 143)**

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**Co-requisite: WLD 140 or Consent of Instructor**

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.

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**1622 Blueprint Reading for Welding (WLD 170)**

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**Co-requisite: WLD 171 or Consent of Instructor**

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.

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**1628 Cooperative Education I (WLD 199)**

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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.

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**110470511P201 - Auto Maint & Lt Repair C (Engine Repair) (ADX 150/151)**

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This course provides a series of lectures and demonstrations on the fundamentals of engine repair, troubleshooting and engine operation and maintenance.

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**110470513P201 - Auto Maint & Lt Repair D (Manual Transmission) (AUT 130/131)**

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This course involves an in-depth study of principles of operation, construction and service of manual transmissions and related drive train components (differentials, clutches, u-joints, rear wheel drive and 4-wheel drive).

**110470519P501 - Auto Serv Tech C (Brake Systems) (AUT 110/111)**

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This course involves the operational theory and application of hydraulic and anti-lock brake systems; disc and drum brakes are discussed.

**110470521P501 - Auto Serv Tech D (Steering and Suspension) (AUT 160/ 161)**

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This course presents the automotive suspension system, the diagnosing of suspension problems, the identifying components, recognizing tire wear problems, wheel balancing and the use of alignment equipment.

# Bowling Green High School



## HIGH SCHOOL CURRICULUM PLANNER

	<u>GRADE 07</u> High school courses available @ junior high	<u>GRADE 08</u> High school courses available @ junior high	<u>GRADE 09</u>	<u>GRADE 10</u>	<u>GRADE 11</u>	<u>GRADE 12</u>
<b>0</b>						
<b>1</b>			English I	English II	English III	English IV
<b>2</b>			World Civilization	U.S. History	Political Science	*
<b>3</b>		((Algebra I))	Mathematics	Mathematics	Mathematics	Mathematics Elective (Required)
<b>4</b>		((Biology Pre-AP))	Science	Science	Science	*
<b>5</b>			Health / P. E.	*	*	*
<b>6</b>		((World Languages))	*	*	*	*

\* Elective course

Students are required to take one mathematics course each year of high school.

Each student will be required to take a full course load, which consists of 6 credits per year (7 with optional EXCEL period).

Two years of the same foreign language are required for college admission.