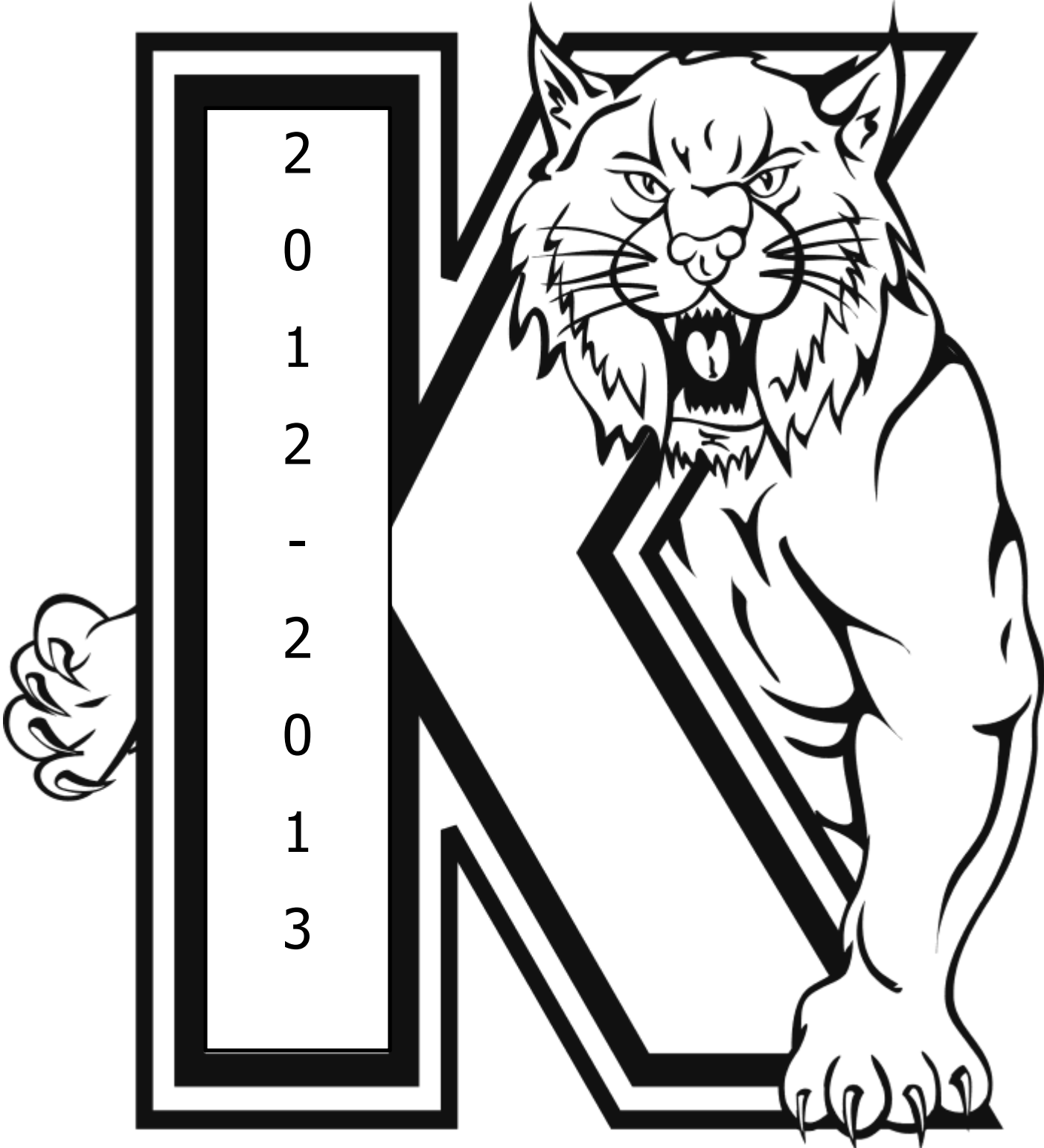


# KEYSTONE HIGH SCHOOL COURSE GUIDE





## **NON-DISCRIMINATION**

The school district affirms that no person shall, on the basis of race, color, national origin, sex and disability be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any educational program or activity conducted under its auspices. This shall extend to employees therein and to admission thereto. Inquiries concerning the application of this policy may be referred to the superintendent or designated coordinator. This policy shall prevail in all Board policies concerning school employees and students.

### **The Board designates:**

Darryl Graves  
Civil Rights and EOC Coordinator

Thomas Clary  
Title IX Coordinator

Thomas Clary  
Section 504 Coordinator

### **Complaints should be referred to:**

Civil Rights and EOC  
Darryl Graves  
Keystone High School  
(440) 355-5132, Ext. 1104

Title IX (gender equality)  
Thomas Clary  
Keystone High School  
(440) 355-5132, Ext. 1103

Section 504 – Thomas Clary  
Keystone Local Schools  
(440) 355-5132, Ext. 1103

Thomas Clary  
Keystone High School  
(440) 355-5132, Ext. 1103

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**The mission of the Keystone Local School district is to provide the best educational opportunities in order to prepare each student for life-long learning and productive citizenship.**

### INTRODUCTION

Planning a personal course of study is a challenging responsibility confronting students and their parents each year. Careful short and long term planning and wise selection of courses are essential. Student will have the greatest opportunity for success in their high school courses and in preparation for their future if consideration is given to the following:

1. Graduation requirements
2. Career goals/future plans
3. Abilities and interests
4. Previous school grades
5. Recommendations from parents, teachers and counselors
6. Course prerequisites
7. Willingness to study

Students are asked to project the course they plan to take during their high school years on a four-year planning form. This preplanning will help to insure that students achieve their educational goals.

Keystone High School's Course Description Guide is designed to increase parent and student awareness of the educational options available to students in high school. In addition, descriptions of course offerings are provided so that choices can be made that will best meet individual needs, abilities, interests and career goals. Before beginning to select courses for next year, students should review the information regarding requirements for graduation, the Diploma with Honors, the Post-Secondary Enrollment Option, Advanced Placement, college entrance, the Tech Prep program and the JVS programs. Remember, too, that teachers and counselors are excellent resources and are available to answer questions.

### WHAT IT TAKES TO EARN A KEYSTONE HIGH SCHOOL DIPLOMA

#### CLASS OF 2013

4 credits	-English
4 credits	-Mathematics
3 credits	-Science (Physical Science and Biology)
3 credits	-Social Studies (World/American Hist/ Amer. Govt/Economics and Financial Literacy)
½ credits	-Physical Education
½ credits	-Health
1 credit	- Art/Tech/Foreign Language/Business
<u>6 credits</u>	-Electives
22 Total Credits	

#### CLASSES OF 2014, 2015 and 2016

4 credits	-English
4 credits	-Mathematics
3 credits	-Science (Physical Science and Biology)
3 credits	-Social Studies (World/American Hist/ Amer. Govt/Economics and Financial Literacy)
½ credits	-Physical Education
½ credits	-Health
1 credit	-Fine Art
1 credit	-Tech/Foreign Language/Business
<u>5 credits</u>	-Electives
22 Total Credits	

### STATE REQUIRED TESTING

House Bill 3, passed in August 2003, provides a statewide school-testing program for Ohio's high school students. Students must meet state and local district curriculum requirements and must pass all parts of the 10<sup>th</sup> grade *Ohio Graduation Test (OGT)*.

### GRADE CLASSIFICATION

The following credits must be entered for student class standing:

- 5 credits for sophomore status
- 10 ½ credits for junior status
- 16 ½ credits for senior status

## Comparison of Diplomas with Honors Criteria

***Students need to fulfill all but one criterion for any of the following Diplomas with Honors***

Subject	High School Academic Diploma with Honors Graduating Classes 2011 and Beyond	Career-Technical Diploma with Honors for Graduating Classes 2011 and Beyond
English	4 units	4 units
Mathematics	4 units, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four year sequence of courses that contain equivalent content	4 units, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four year sequence of courses that contain equivalent content
Science	4 units, including physics and chemistry	4 units, including physics and chemistry
Social Studies	4 units	4 units
Foreign Language	3 units (must include no less than 2 units for which credit is sought), i.e., 3 units of one language or 2 units of two languages	<b>Not counted towards requirements</b>
Fine Arts	1 unit	Not counted towards requirements
Career-Technical	Not counted toward requirements, and may not be used to meet requirements	<b>Now counted in Electives</b>
Electives	Not counted towards requirements	<b>4 units of Career-Technical minimum. Program must lead to an industry recognized credential, apprenticeship or be part of an articulated career pathway which can lead to post-secondary credit</b>
Grade Point Average	3.5 on a 4.0 scale	3.5 on a 4.0 scale
ACT/SAT Score [excluding scores from the writing sections]*	27 ACT / 1210 SAT	27 ACT / 1210 SAT
Additional Assessment	Not applicable	Achieve the proficiency benchmark established for the appropriate Ohio Career-Technical Competency Assessment or the equivalent

\*Writing sections of either standardized test should not be included in the calculation of this score.

Diploma with Honors requirements pre-suppose completion of all high school diploma requirements in Ohio Revised Code including:

½ unit physical education\*\*

½ unit in American History

½ unit health

½ unit in government

\*\* SB 311 allows school districts to adopt a policy exempting students who participate in athletics, marching band or cheerleading for two full seasons from the physical education requirement.

## COURSE PLANNING

The following information should be considered when planning your schedule:

1. Students must schedule at least **5 ½ - 6** credits for next year. One study hall per semester is suggested.
2. If a required subject is failed, it must be repeated as soon as possible.
3. Students may not repeat a course that they have completed and passed in high school.
4. Credits earned in an accredited summer school program will count toward graduation provided that an administrator **and** the student's school counselor have approved the credits in advance.
5. Students should check the prerequisites for the courses they have selected to make sure that the courses are open to their grade level and that they have completed the necessary requirements.
6. Students should review all the curricular requirements for graduation.

**\*\*NOTE TO PARENTS AND STUDENTS REGARDING GRADUATION REQUIREMENTS:** It is the student's responsibility to see that requirements for graduation are met. The high school will make every effort to keep up-to-date records and to keep students and parents informed about the status of progress toward compiling the necessary course work for graduation requirements.

## ELECTIVES

*These are the courses that are not required for graduation. Choose from this list to add to your schedule to earn the **required 22 credits for graduation**. Keep in mind that all electives are not offered every year. Make sure you check course prerequisites when selecting electives. Study halls may be a semester or year long.*

### Semester Electives:

*Arts:* Art I, Art II, Studio Art I, Studio Art II, Drawing, Painting, Ceramics

*Business/Computers:* Word Processing, Computer Applications I, Computer Applications II, Computer Programming, Web Design, Print Media, Broadcast Media, Business/Money Management, Business/Entrepreneurship

*English:* Applied Communications

*Family and Consumer Sciences:* Life Skills, Food/Nutrition and Wellness, Parenting and Child Development, Healthy and Safe Food, College Life Skills – Managing Transitions, Career Search II,  
*Industrial Technology:* Woods I, Woods II, Metals I, Metals II, Engineering Graphics I, Advanced Engineering Graphics  
*Music:* Music Appreciation A, Music Appreciation B, Music Theory I, Jazz Band  
*Physical Education:* Lifetime & Leisure Sports, Weightlifting and Cardio respiratory Fitness

### Yearlong Electives:

*Industrial Technology:* Introduction to Engineering Design

*Music:* Band, High School Choir

*World Languages:* French I, French II, Honors French III, Honors French IV, Spanish I, Spanish II, Honors Spanish III, Honors Spanish IV

## PREPARATION FOR COLLEGE

If you plan to attend any one of Ohio's public or private four-year colleges or universities, these are the courses you must take in high school: **4 credits of English, 4 credits of math, 3 credits of social studies, 3 credits of laboratory science, 2 credits of the same foreign language, and 1 credit of fine arts** (music, art, drama).

Students who have not completed the minimum college prep course may be admitted only on a "conditional" basis and may need to take developmental courses to bring up their level of skill as prescribed by the college. (That is, pay college prices to take courses they could have taken in high school!)

College admissions officials consider the applicant's high school record and grades, class rank, some evidence of school or community leadership and/or service, recommendations from the high school, and scores on college admissions tests. Colleges vary in their selection criteria; therefore students should contact the colleges of their choice for individual admission criteria.

To enhance chances for admission to the university and academic program of their choice, students are encouraged to take the most rigorous curriculum available at KHS.

## **DUAL ENROLLMENT**

### **OHIO'S POST-SECONDARY ENROLLMENT OPTION PROGRAM/DUAL ENROLLMENT**

The Post-Secondary Enrollment Option Program (PSEO) was established to provide expanded educational opportunities. Qualified high school students can take college level courses for college credit and/or credit toward graduation.

Program Option B permits eligible students to enroll in college courses for college and high school graduation credit. Students electing this option will not be required to pay for tuition, books, materials or fees associated with such courses.

Some program considerations are:

- A student must schedule enough credits at high school and/or college to maintain a full-time student status.
- The maximum number of credits that a student may schedule at high school and/or college may not exceed the number of course the student may schedule using the total number of periods available at the high school during the official school day.
- Students in grade 9 & 10 may not schedule more than one PSEO course per semester.
- Failure to complete a college course, whether through a formal "Class Drop" process, or nonattendance may result in any or all financial obligations for that course defaulting to the student or his/her parents.
- Students and parents must maintain continual contact with high school counselors in order to ensure that graduation requirements and eligibility standards are being met.
- Students enrolled under PSEO must assume the responsibility to maintain contact with the local high school (e.g. social functions, college information, special assemblies, sporting events, testing, class meetings, etc.).
- Students who wish to participate in PSEO for the following school year must notify school officials in writing of their intention by **March 30**.

### **ONSITE PSEO**

*(offered through LCCC at KHS)*

This program offers high school students the opportunity to take college-level coursework which strengthens and enriches their high school experience. Keystone students are eligible to enroll and take college coursework in Science, Foreign Language, or computers on our high school campus. This coursework can be used for both college and high school credit. Students must complete an LCCC application, submit official transcripts to LCCC, and meet GPA requirements, freshman – 3.9, sophomore – 3.7, junior – 3.5, senior – 3.0. Admission is based on a determination of your readiness for college-level work after taking the ACT/ COMPASS Placement exam. For specific courses available and course descriptions, refer to page 30.

### **ADVANCED PLACEMENT PROGRAM**

An Advanced Placement student is academically talented, disciplined, highly motivated and willing to accept the challenges of these courses. A student must successfully complete prerequisites for the course and maintain a high level of performance. An Advanced Placement student must accept additional responsibilities and commitment. **The AP Courses are designed to be the equivalent of a first year college course. As such, the curriculum and expectations are of a high level. Among the Keystone expectations for AP is participation by all students in the national AP exams administered in May. The cost for each AP test is paid by the student/family.** Exams are given in May on predetermined dates established by the College Board. Advanced Placement courses offered include: Statistics, Calculus, AP Amer. Hist, AP Government and Chemistry II. Students taking Honors English in 11<sup>th</sup>/12<sup>th</sup> grade are also given opportunity to take an AP Exam.

Students and parents should be very sensitive to the demanding nature of Advanced Placement courses. Expectations for the classes are extensive. Students will be asked to be involved in college level activities. Advanced Placement courses place a high degree of emphasis on the student's own self-motivation, study skills, and the ability to self-direct his or her own learning. Students should carefully determine the number of Advanced Placement courses they are capable of successfully completing in a school year.

\*Onsite PSEO, Advanced Placement Courses and Honors Courses receive weighted grades.

## **DUEL ENROLLMENT** **COLLEGE TECH PREP**

College Tech Prep (CTP) programs are a unique educational option for the last two years of high school. It is designed for students who plan to go to college – but who want to actually *experience* a particular career before investing in college.

The program combines traditional, college-preparatory academics with intense lab facilities. ½ of the day is normally spent at the home school for academics. The other ½ day is spent at the Lorain County JVS.

Learning in CTP programs is hands-on and challenging, with the opportunity to earn articulated college credit for work completed at the high school level. Students best suited for CTP are those who are active, experiential learners; who like building, designing, and “tinkering”, and who learn best by applying their knowledge to real-life situations.

Enrollment in CTP programs is competitive, and generally requires:

- A solid GPA (approximately 2.5 or above)
- Completion of Unified Algebra/Geometry II with a “C” or better
- Passage of all OGT tests
- Junior standing at the end of 10<sup>th</sup> grade
- Completion of Biology with a “B” or better (Health Science Technology only)

Program Options:

- Allied Health Services
- Interactive Multimedia Technology
- Network Communications Technology
- Project Lead The Way (PLTW)

For additional information on the College Tech Prep option, contact a high school counselor, the Lorain County College Tech Prep Consortium (440-366-4887) or log onto [www.loraintechprep.com](http://www.loraintechprep.com)

## **TEACHER EDUCATION EXPLORATION PROGRAM**

The Teacher Education Exploration Program (TEE) student will have the opportunity to participate in and explore the possibility of a career in teaching. TEE classes will include teacher training, preparation of lesson plans, and practice teaching. The academic portion of the student’s day is held at Keystone High

School, but the actual TEE classes are taken at the elementary, middle or high school TEE site and at Lorain County Community College.

Juniors who are taking a college preparatory curriculum may apply to the TEE program for their senior year. In order to be considered for the program, students must have passed all state required testing, passed all courses required for timely graduation, have a minimum 2.5 GPA, and have a good attendance record. They must also be recommended by a teacher/counselor and be responsible for their own transportation to LCCC and to interning sites. Applications are available in the Keystone High School Counseling offices after first semester.

## WORK STUDY PROGRAM

Participation in the work-study program requires teacher placement.

In the junior year, a student may earn 1 credit for work-study by completing 160 clock hours of community work experience. Students who have incorporated this component into their IEP may be eligible for early release from school. The amount of time a student may be released early from school shall be commensurate with the amount of credits issued for work-study. (1 credit = 1 period of early release)

In the senior year, a student may earn 1 to 4 credits for work-study, depending upon the total accumulation of clock hours:

- 1 credit = 160 clock hours
- 2 credits = 320 clock hours
- 3 credits = 480 clock hours
- 4 credits = 640 clock hours

Seniors who are involved in the work-study program may also earn 1 credit for Senior Seminar. Students will meet with the Work-Study Coordinator to address transitional needs such as independent living skills, which include budgeting or work related issues.

## SUMMER SCHOOL

A summer school class may be taken under the following circumstances:

- Remediation
- Make-up because of illness
- Enrichment purposes with the following stipulations:
  - Enrichment classes identified by the summer school will be considered as elective credit and will not fulfill specific requirements for graduation. Physical Education and Health are exceptions.
  - Courses unavailable at Keystone High School will be considered.

Credits earned in an accredited high school summer program will be counted toward graduation only with signed, prior approval from the principal and/or counselor at Keystone High School. Students must get permission before enrolling in summer classes.

## CORRESPONDENCE COURSES

Keystone High School does NOT accept any credit through a correspondence course.

## FLEX CREDIT

Flex credit is any alternative coursework, assessment or performance that demonstrates proficiency needed to be awarded equivalent graduation credit as approved by the school district. Approved credit awarded through this policy will be posted on the student's

transcript and counted as either required graduation credit in the related subject or as an elective. An application process is required. Students interested in Flex Credit should see their guidance counselor.

## LORAIN COUNTY JOINT VOCATIONAL SCHOOL

Students may elect to complete their junior and senior years in one of several two-year vocational programs at the JVS. The application process begins in the second semester of the sophomore year. Acceptance into these programs is based on points awarded for attendance, grade point average and successful completion of some recommended course taken in the freshman and sophomore years. Students opting to attend the JVS are still considered Keystone High School students although all coursework is completed at the JVS campus.

Program Options:

### *Building Academy*

- Carpentry
- Heating and Air Conditioning
- Industrial Electricity
- Masonry Trades
- Plumbing and Pipefitting

### *Business and Marketing Academy*

- Accounting and Financial Services
- Office and Administrative Assistant
- Marketing and Management
- Web and Graphic Design

### *Community Service Academy*

- Cosmetology
- Early Childhood Education
- Landscape and Greenhouse Management
- Law Enforcement and Security

### *Culinary Academy*

- Bakery and Pastry Arts
- Culinary Arts

### *Manufacturing and Pre-Engineering Academy*

- Computerized Design and Drafting
- Precision Machine Technology
- Welding and Fabrication

### *Transportation Academy*

- Auto Technology
- Collision Repair
- Commercial Truck Technology
- Industrial Equipment Mechanics

In addition, some one-year programs are also available at the JVS. Interested students should contact their high school counselor or a JVS counselor for details. Students attending JVS must complete the minimum graduation requirements for their graduating class as listed under minimum graduation requirements. If involved in programs other than traditional, student may meet graduation requirements through alternative, approved course of study.

## ATHLETIC ELIGIBILITY

### *Keystone Sports Eligibility*

The Ohio High School Athletic Association sets eligibility standards. Any athlete who does not have a passing grade in a minimum of 5 credits the previous grading period will be ineligible. In addition, the Keystone Board of Education has adopted a policy stating that all athletes must maintain a GPA of 1.5 or higher. If a student passes 5 classes, but does not achieve a 1.5 or higher, that student will be on probation until interim reports at which time their GPA must be above a 1.5 to remain eligible. Eligibility is determined after each grading period and is limited to those grades earned in that grading period. Summer school courses do not count toward athletic eligibility.

### The NCAA

The National Collegiate Athletic Association, also known as the NCAA, is the organization through which many of the nation's colleges and universities speak and act on athletic matters at the national level. It is a nonprofit, voluntary association of more than 1,260 school, conferences, organizations and individuals devoted to the sound administration of intercollegiate athletics. Its mission is to protect the best interests of student-athletes.

In 1973, the NCAA's membership was divided into three legislative and competitive divisions – Divisions I, II, and III. The most notable difference among the three divisions is that institutions in Divisions I and II may offer athletic scholarships, while Division III schools do not offer athletic scholarships.

NCAA Website: [www.ncaa.org](http://www.ncaa.org)

NCAA ELIGIBILITY CENTER CONTACT INFORMATION

Website:

<https://web1.ncaa.org/eligibilitycenter/common/>

NCAA Eligibility Center  
P.O. Box 7136  
Indianapolis, IN 46207

Package or Overnight Delivery:  
NCAA Eligibility Center  
1802 Alfonzo Watford Sr. Drive  
Indianapolis, IN 46207

Eligibility Center Customer Service:

Representatives are available from 8 a.m. to 6 p.m.,

Eastern Time, Monday through Friday

U.S. callers (toll-free) 877-262-1492

Fax: 317-968-5100

***\*\*Please note: Courses marked with an asterisk (\*) are not NCAA approved and will affect eligibility!***

## SCHEDULING

The master schedule is organized each year around the course selections made by the students. Therefore, it is very important that students give careful thought when choosing courses. Students must schedule at least 5 ½

-6 credits for next year. Students may schedule up to 8.5 credits. **One study hall per semester** is recommended.

This booklet is made available at the beginning of the scheduling process and counselors will meet with students by appointment to answer questions and complete registration before spring break.

The master class schedule will be developed during the succeeding months. As it is developed, conflicts may arise and some courses may be dropped due to a lack of interest. **If necessary, students will be scheduled into their alternate courses.** Students may initiate change in their schedules prior to the last day of school and up to the third day of the new school year.

## SCHEDULE CHANGES

STUDENTS REGISTERING FOR A YEAR-LONG COURSE ARE OBLIGATED TO REMAIN IN THAT COURSE FOR THE ENTIRE YEAR REGARDLESS OF GRADES RECEIVED THE FIRST SEMESTER.

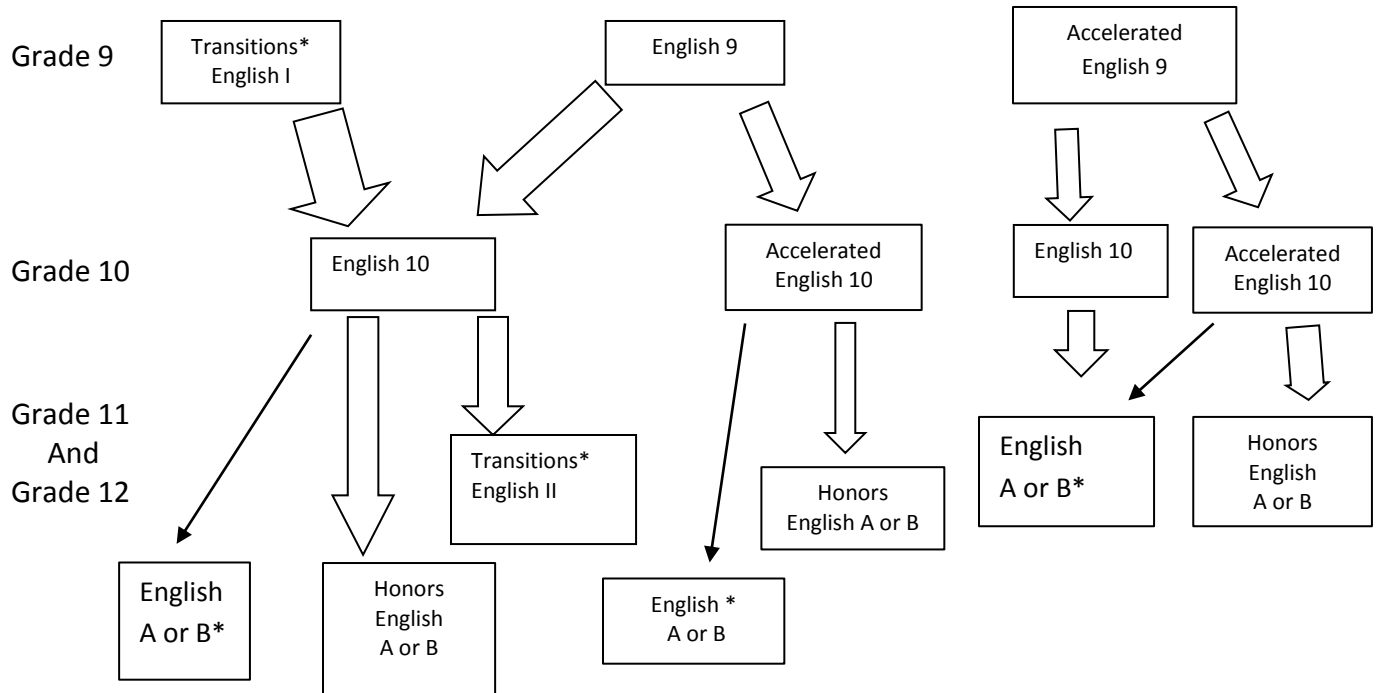
Schedule changes will be kept to a minimum. Students have never had as much flexibility in planning their schedules as they do now. However, in order to plan staff and facilities within a public school system, it becomes necessary for commitments made by the students to be binding.

Schedule changing is an accommodation to the student, not an obligation of the school, and will be considered only when the changes serve some constructive purpose. The following guidelines are to be followed:

1. ALL SCHEDULE CHANGES MUST BE MADE THE WEEK BEFORE SCHOOL BEGINS OR DURING THE FIRST THREE DAYS OF THE SCHOOL YEAR. Schedules will be distributed prior to the beginning of school according to publicized dates. Schedule changes may be requested only during this time period, and a parent appointment with a school counselor may be required. SECOND SEMESTER COURSES MUST BE DROPPED PRIOR TO THE FIRST DAY OF THE SECOND SEMESTER.
2. Certain changes in student schedules may be initiated by the office due to scheduling conflicts, courses failed, summer school credits earned, clerical errors or medical circumstances.
3. If there has been an inappropriate placement and a parent wishes to request a change, a process is required. A meeting with the principal to review the progress or placement and to make a decision must take place.
4. WITHDRAWING FROM A COURSE MAY RESULT IN FAILURE OF THAT COURSE FOR THE REMAINDER OF THE SCHOOL YEAR.

**ENGLISH**

**English Flow Chart**



OR for Grades 11 and 12:

Select one course from A1 and A2, OR one course from B1 and B2

<b>A1</b>	<b>A2</b>
World Literature American Literature Classical Literature Historical Literature	Oral Communications Drama Literature to Film* Writing Applications
<b>B1</b>	<b>B2</b>
Women's Literature Science Fiction Oral Traditions Modern Novels	Writing Applications Reading/Writing About Sports* Short Stories

\*\*Students must schedule English classes each year.

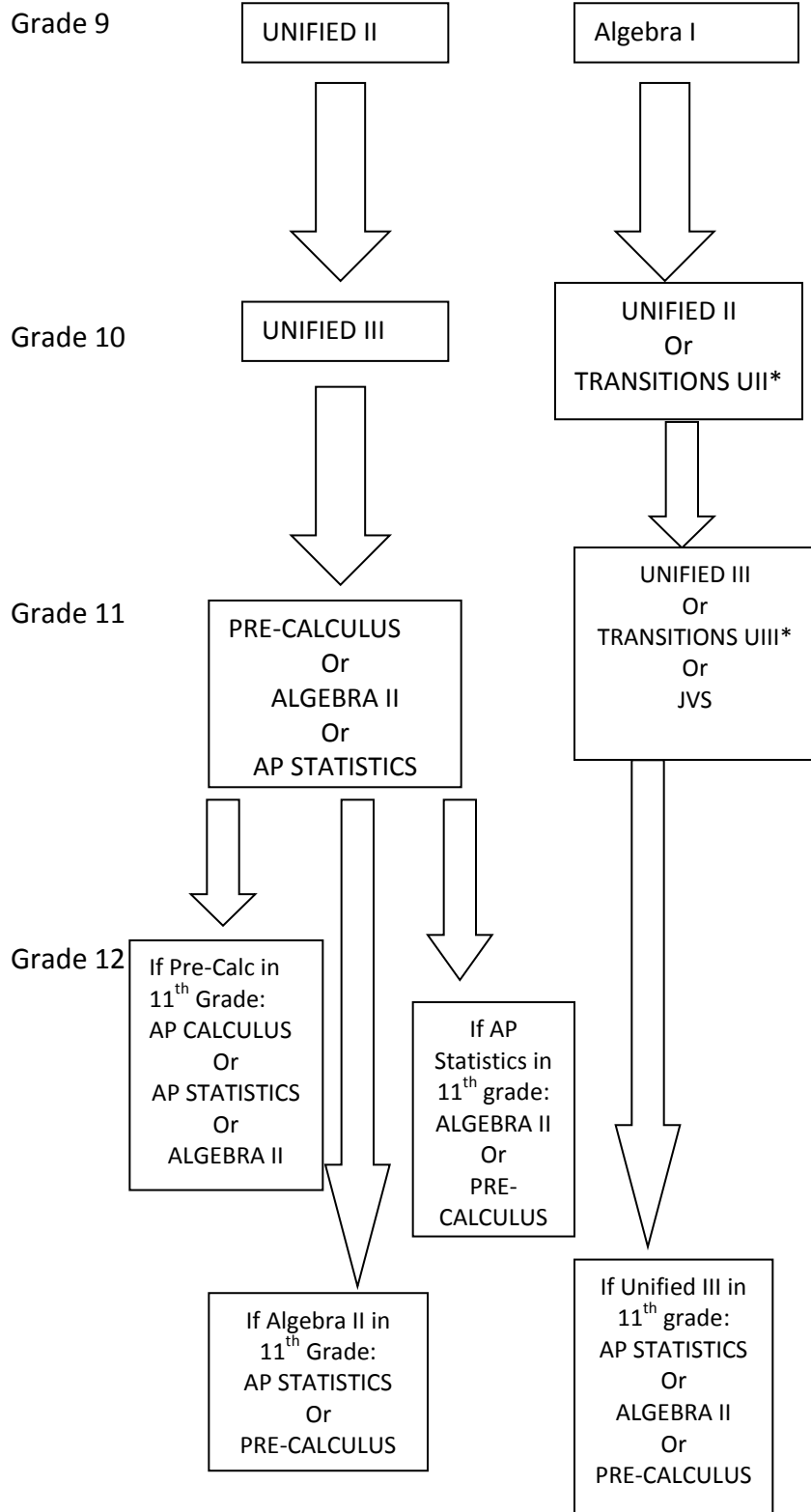
\*\*Students may choose courses from A1 & A2 2012 & 2013 school years. B1 & B2 courses are offered 2013 & 2014 school years. These may be electives if they have already scheduled a full year of English.

\*\*To use courses from A1, A2, B1 or B2 as an English requirement, students must have a C- or better in English 10.

\*\*Honors English A and B are offered every other year.

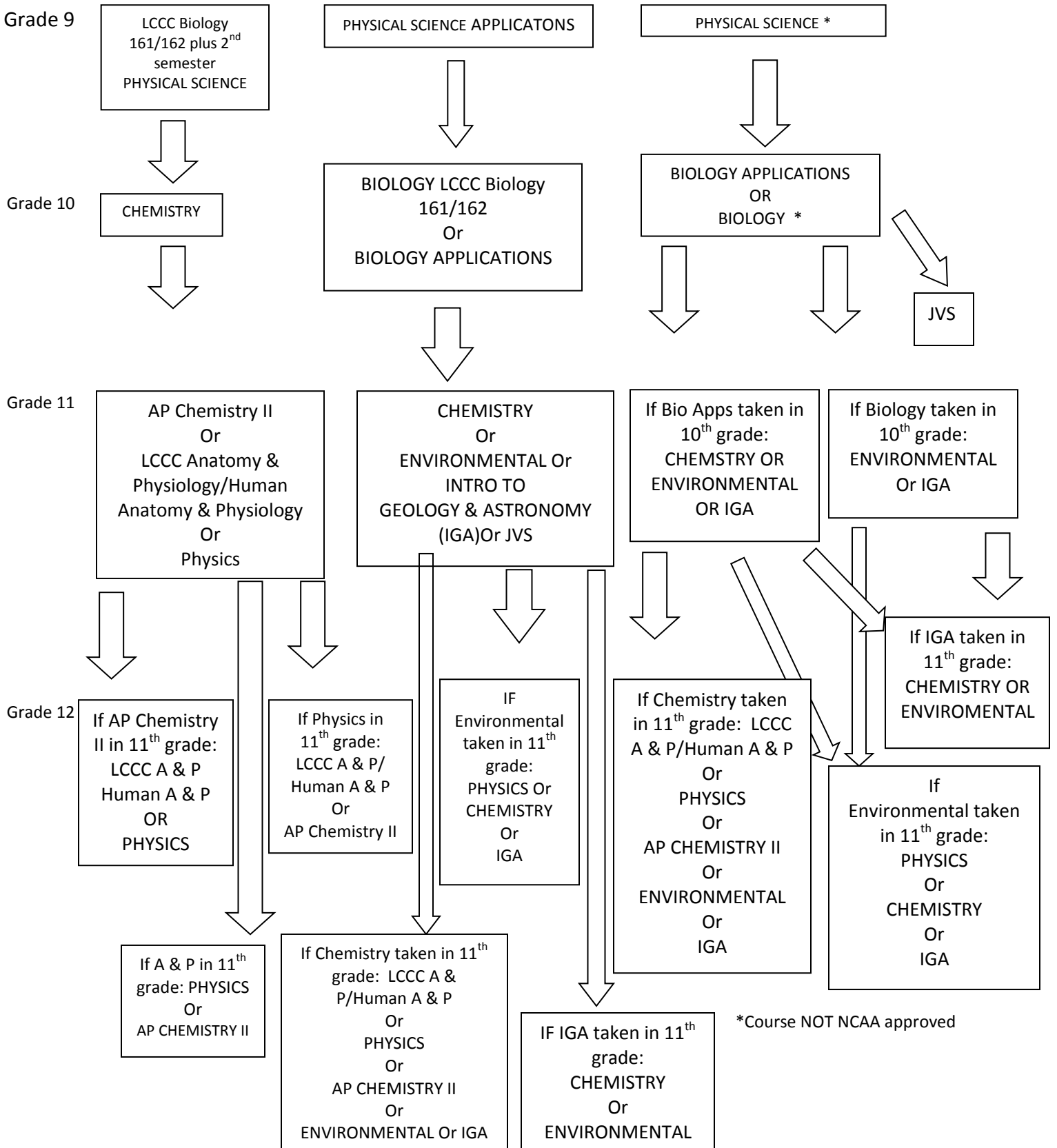
\* = Course NOT NCAA Approved

## Math Flow Chart



\*Course NOT NCAA approved

# Science Flow Chart



# COURSE DESCRIPTIONS

## ART

### 001 ART I

**Semesters: 1** **Credit: .50**

*Prerequisite: None*

This course is intended for the student interested in improving his/her ability to work with various materials and tools. It provides opportunity for self-expression, emphasizes quality workmanship and includes experiences in tempera painting, pen & ink, ceramic clay pottery, linoleum printmaking, sculpture and pencil drawing. Descriptive interpretation in a wide variety of media is also included. A sketchbook, written report and homework of a research nature may be assigned.

### 002 ART II

**Semesters: 1** **Credit: .50**

*Prerequisite: Art I*

This course is for the student interested in improving his/her ability to work with various materials and tools. It provides opportunity for self-expression emphasizes quality workmanship and includes experiences in water color, advanced color study, perspective, portraiture, clay sculpture, lettering, acrylic painting and cartooning. A sketch book, written report and homework of a research nature may be assigned.

### 006 CERAMICS

**Semesters: 1** **Credit: .50**

*Prerequisite: None*

This course is structured to provide a basic foundation of clay users. Projects include hand built sculpture, hand built containers and potter wheel. Decoration with glazes will be explored.

### 017 DRAWING

**Semesters: 1** **Credit: .50**

*Prerequisite: None*

The student will explore a basic approach to drawing from nature, portrait, figure, still life and perspective. Learning to draw with line and value is emphasized with descriptive, interpretive and imaginative subject matter. Media used are pencil, pen and ink and charcoal in a variety of assignments designed to train the eye and stimulate the imagination. A sketch book, written report and homework of a research nature may be assigned.

**\*=COURSE NOT NCAA APPROVED**

### 018 PAINTING

**Semesters: 1** **Credit: .50**

*Prerequisite: Drawing or Art I*

The student will pursue the fundamental art elements and principles through the use of the following media: water color, acrylic, tempera, collage and mixed media. Nature, the portrait and figure and still life are the basis for descriptive, interpretive and imaginative assignments. A sketch book, written report and homework of a research nature may be assigned.

### 041 STUDIO ART I

**Semesters: 1** **Credit: .50**

*Prerequisite: Have taken 3 of the following art courses: Art I, Art II, ceramics, drawing and painting with a 3.5 average in those courses. Must be senior status, sign a studio Art contract and have a portfolio review by art teacher.*

This advanced studio course is structured to permit students to pursue their artistic direction. There will be portfolio preparation for those seeking a career in this field or for further training in a professional school. Those taking the course for credit or other reason may pursue areas of special interest as well as continue to work in areas of advanced design, color drawing, painting and crafts. A sketch book, one written report and homework of a research nature may be assigned.

### 042 STUDIO ART II

**Semesters: 1** **Credit: .50**

*Prerequisite: Studio Art I*

Studio Art II will be a continuation of Studio Art I.

## BUSINESS/COMPUTER

### 501 WORD PROCESSING

**Semesters: 1** **Credit: .50**

*Prerequisite: None*

This is a prerequisite for other computer courses. Emphasis will be on reviewing keyboarding skills, formatting, proofreading, and creating personal/business documents. Students will learn formatting and advanced word processor features using the Microsoft Office software.

### 513 COMPUTER APPLICATIONS - Basic

**Semesters: 1** **Credit: .50**

This course is an overview of the phases of computer development. Students will perform a variety of basic computer skills and applications, including word processing, spreadsheet, simple programming, database, creating web pages, and presentation graphics using PowerPoint.

# COURSE DESCRIPTIONS

## 519 COMPUTER APPLICATIONS II – Honors

**Semesters: 1** **Credit: .60**

*Prerequisite: Computer Applications-Basic*

This course introduces and integrates data processing features of Microsoft Office Professional Software. Students will use introductory and advanced features of Excel or spreadsheet analysis, Access for database management, and PowerPoint for multimedia presentations. Students will use Microsoft Word features to link Excel, Access, and PowerPoint objects to each other and to a web page design. See also PSEO course CISS121.

## 510 COMPUTER PROGRAMMING

**Semesters: 1** **Credit: .50**

*Prerequisite: Word Processing or Computer Applications*

This course is an introduction to the science of programming using the Visual Basic languages. Students learn the fundamental language constructs and program design techniques. The course content is of a technical nature. Knowledge of the keyboard and some understanding of algebra are helpful.

## 518 WEB DESIGN

**Semesters: 1** **Credit: .50**

*Prerequisite: Word Processing or Computer Applications*

The largest growth area of today's economy, e-commerce is the application of the web to find products, prices and services for businesses and consumers. Emphasis will be on Web page construction using Dream Weaver, with a final project of students creating their own business web site.

## 505 Introduction to Accounting

**Semesters: 1** **Credit: .50**

*Prerequisite: None*

Accounting is the systematic recording, reporting, and analysis of financial transactions of a business; it is an essential aspect of every business institution and organization. This course is designed to give students, as future workers, small business owners and entrepreneurs, the basic accounting principles to manage their company's financial resources. Students will learn to complete and analyze financial records for personal as well as business use. Each student is required to purchase supplemental materials.

## 504 BROADCAST MEDIA

**Semesters: 1** **Credit: .50**

*Prerequisite: None*

Students will work independently on producing various school related productions, including video and audio. These projects may include school announcements, school functions and other features for school use. History of broadcasting will be included. Students may be required to work on projects beyond the regular 50 minute class period. Students will provide their own video cassette for camera.

## 508 BUSINESS/MONEY MANAGEMENT

**Semesters: 1** **Credit: .50**

*Prerequisite: None*

This course will enable students to become better consumers and money managers. Topics covered are banking, checking/savings accounts, practical money management, consumerism, and credit. A workbook may be required.

## 509 BUSINESS/ENTREPRENEURSHIP

**Semesters: 1** **Credit: .50**

*Prerequisite: None*

This is an introductory business course designed to provide valuable information and understanding that is used by every person whether you are or are not pursuing a career in business. Topics include economics, supply & demand, and small business management. A project involves groups creating a business plan, and marketing and selling a product (simulation). Students will be required to purchase simulation packet.

## ENGLISH

### 192 \*ENGLISH TRANSITIONS I

**Semesters: 2** **Credit: .50 each semester**

*Prerequisite: Combined grade 8 STAR and OAT score, grade 9 status only*

This course is designed to develop an understanding of various forms of literature. The course will focus on improving skills in the areas of reading, writing and communications. Vocabulary, grammar and reading comprehension skills will be stressed. Students may be required to purchase supplemental materials such as paperback novels.

**\*= COURSE NOT NCAA APPROVED**

# COURSE DESCRIPTIONS

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## **109 ENGLISH 9**

**Semesters: 2**                      **Credit: .50 each semester**

*Prerequisite: None*

This course is designed to develop an understanding of the various forms of literature. Vocabulary and the structure and usage of language will be emphasized. In addition, there will be considerable practice in writing and reading. Students may be required to purchase supplemental materials such as paperback novels.

## **110 ACCELERATED ENGLISH 9**

**Semesters: 2**                      **Credit: .50 each semester**

*Prerequisite: Students selected will be those with the highest:*

1. *Grades, averaged from the Reading and Language Arts' classes in eighth grade*
2. *Recommendation of the English Department*
3. *Eighth grade achievement test results*

Accelerated English 9 is a course for students who have shown outstanding performance in previous language arts classes. This course is more demanding and challenging than regular freshman English courses. This course explores various forms of both literature and composition and will include a review of the structure and usage of language. A summer reading project will be requested. Students may be required to purchase supplemental materials such as paperback novels.

## **111 ENGLISH 10**

**Semesters: 2**                      **Credit: .50 each semester**

*Prerequisite: English 9*

This course is designed to develop an appreciation of the various forms of world literature. Vocabulary and the structure and usage of language will be emphasized. In addition, there will be considerable practice in writing. Students may be required to purchase supplemental materials such as paperback novels.

## **112 ACCELERATED ENGLISH 10**

**Semesters: 2**                      **Credit: .50 each semester**

*Prerequisite: Students selected will be those with the highest:*

1. *English GPA*
2. *Recommendation of English Department*
3. *EXPLORE test results*

Accelerated English 10 is for academically talented students who have shown superior performance in previous English classes. Students will read various forms of world literature and practice writing both expository and creative compositions. The course will

also include a brief review of the structure and usage of language. A summer reading project will be requested. Students may be required to purchase supplemental materials such as a paperback novel.

## **193 \*ENGLISH TRANSITIONS II**

**Semesters: 2**                      **Credit: .50 each semester**

*Prerequisite: English 9, English GPA and teacher recommendation*

This course is designed to develop further, students' understanding of various forms of literature and writing. The course will focus on improving reading, writing, and communications skills. Students will complete a research document.

## **127 \*ENGLISH A (offered 2012-2013)**

**Semesters: 2**                      **Credit: .50 each semester**

*Prerequisite: English 9 and 10 and passage of the Reading/Writing OGT.*

Reading, writing, speaking, listening and vocabulary skill enhancement will be the focus of this course. Included is a study of American Literature, its authors and its reflections of social, historical, religious and political events. Students will implement previously learned language art skills through composition and a short research paper.

## **128 \*ENGLISH B (offered 2013-2014)**

**Semesters: 2**                      **Credit: .50 each semester**

*Prerequisite: English 9 and 10 and passage of the Reading/Writing OGT.*

This course is designed to develop the English skills needed to survive in a modern society such as general writing skills, letter writing, resume writing, review of grammar, vocabulary study and reinforcement of reading skills. Reinforcement of critical reading skills will include a unit of advertising. This presents fallacies in logic and makes students aware of subconscious persuasion techniques. The students will also explore British literature, focusing on various time periods in an effort to better understand how political and social factors affected the literature. Students will complete a short research paper.

**\*= COURSE NOT NCAA APPROVED**

# COURSE DESCRIPTIONS

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## **114 AP HONORS ENGLISH A**

**Semesters: 2 Credit: .50 each semester  
(Offered 2012-2013)**

*Prerequisite: 3.5 GPA in English, recommendation by the English Department, English 9 and 10, Plan Scores*  
Honors English A is a course for college-bound students who are capable of doing college-level work in English while in secondary school and who are willing to devote the energy necessary to complete a more rigorous and demanding course. The course includes American literature from early American beginnings to the present day. The purpose is to illustrate how literature reflects the social, religious and political events of the time. Emphasis will be placed on reading, writing, vocabulary, research techniques critical thinking and analysis and independent study. Students will be required to purchase supplemental materials such as paperback novels. A summer project may be requested. Eligible to take A.P. test at course end.

## **116 AP HONORS ENGLISH B**

**Semesters: 2 Credit: .50 each semester  
(offered 2011-2012)**

*Prerequisite: 3.5 GPA in English, recommendation by the English Department, PLAN, Practice ACT, OGT scores*

Honors English B is a course for college-bound students who are capable of doing college-level work in English while in secondary school and who are willing to devote the energy necessary to complete a more rigorous and demanding course. The course includes British literature from its Anglo-Saxon beginnings to the present day. The purpose is to illustrate how literature reflects the social, religious and political events of the times. An overview of significant authors of Western literature from its beginning to the present day may also be included. Emphasis in the course will be placed on reading, theme writing, research techniques, research paper writing, critical thinking and analysis and independent study. Students may be required to purchase supplemental material such as paperback novels. A summer project may be requested. Eligible to take A.P. test at course end.

## **117 ORAL COMMUNICATIONS A2**

**Semesters: 1 Credit: .50**

*Prerequisite: English 9 and 10, Passed Reading and Writing sections of OGT and a C- or higher in English.*

This course is designed to familiarize students with various speech experiences. Students will participate in numerous formal and informal speaking activities. Focus will be on making speakers more comfortable in public speaking settings along with structural speeches. Students will write and deliver award

presentations and acceptance speeches, eulogies, pet peeve speeches, participate in group discussions, debate, work on humor in speeches, and take in a variety of formal speaking engagements.

## **118 \*DRAMATIC LITERATURE A2**

**Semesters: 1 Credit: .50**

*Prerequisite: English 9 and 10, Passed Reading and Writing sections of the OGT and a C- or higher in English.*

This course is a reading intensive critical and historical survey of play as a literacy form. Students will learn to analyze author technique in the context of history and culture, understand how universal themes are developed in literature and recognize literary elements and their effects on literature. Additionally, students will learn to synthesize and evaluate a variety of sources while developing a position on a topic and apply their knowledge of structure, style and theme to their own creative writing. An element of performance and oral interpretation will be included to afford students a thorough exposure to the world of play. Students will be required to purchase several paperbacks and plays for this class.

## **120 \*READING AND WRITING ABOUT SPORTS B2**

**Semesters: 1 Credit: .50**

*Prerequisite: English 9 and 10, Passed Reading and Writing sections of the OGT and a C- or higher in English.*

This semester course will examine the social/cultural, physical, and psychological aspects of sports throughout history. Students will explore both classic and contemporary literature about sports, issues, and research and report on the history and current trends/careers in both individual and team sports. Students will be required to purchase 3-4 paperback novels and complete a research project for this course.

## **180 WORLD LITERATURE A1**

**Semesters: 1 Credit: .50**

*Prerequisite: English 9 and 10, Passed Reading and Writing sections of the OGT and a C- or higher in English.*

This is a survey of selected works from diverse cultural backgrounds. Readings include a broad range of genres, themes, and historical periods from ancient to modern times. A research document will be required.

**\*=COURSE NOT NCAA APPROVED**

# COURSE DESCRIPTIONS

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## **181 AMERICAN LITERATURE A1**

**Semesters: 1 Credit: .50**

*Prerequisite: English 9 and 10, Passed Reading and Writing sections of the OGT and a C- or higher in English.*

This course is a historical survey of written literature from the pre-colonial era of North America to the present. Studies include a broad range of literary materials, as well as a focus on the people and cultural influences of the time. A research document will be required.

## **182 CLASSICAL LITERATURE A1**

**Semesters: 1 Credit: .50**

*Prerequisite: English 9 and 10, Passed Reading and Writing sections of the OGT and a C- or higher in English.*

This course is designed to be a study of classical literature with an emphasis on themes, situations and character models rooted in socio-political experiences. Students will complete a research project.

## **183 HISTORICAL LITERATURE A1**

**Semesters: 1 Credit: .50**

*Prerequisite: English 9 and 10, Passed Reading and Writing sections of the OGT and a C- or higher in English.*

This course is designed to be an in-depth study of literature as related to historically significant time periods. There will be an emphasis on the analysis, comparison and reflection on how historical influences have shaped literature. Students will complete a research project.

## **184 WOMEN'S LITERATURE B1**

**Semesters: 1 Credit: .50**

*Prerequisite: English 9 and 10, Passed Reading and Writing sections of the OGT and a C- or higher in English.*

This course explores the contributions of females to literature. Students will read and analyze works from diverse eras and cultures. Genres may include fiction, poetry, drama, and non-fiction. Students will complete a research project.

## **185 SCIENCE FICTION B1**

**Semesters: 1 Credit: .50**

*Prerequisite: English 9 and 10, Passed Reading and Writing sections of the OGT and a C- or higher in English.*

Through a collection of classic science fiction stories, this course will trace the evolution of science fiction from the days of H.G. Wells and Verne through the

present. Important historical and contextual information will help demonstrate how science fiction relates to the important issues of our lives. Students will complete a research project.

## **186 ORAL TRADITIONS B1**

**Semesters: 1 Credit: .50**

*Prerequisite: English 9 and 10, Passed Reading and Writing sections of the OGT and a C- or higher in English.*

This literature course will be an in-depth study of the oral and folk traditions, such as myths and tall tales, with an emphasis on prominent figures, motifs, and themes of the time. Students will complete a research project.

## **187 MODERN NOVELS B1**

**Semesters: 1 Credit: .50**

*Prerequisite: English 9 and 10, Passed Reading and Writing sections of the OGT and a C- or higher in English.*

This course is designed to be an introduction to contemporary novels and will provide an emphasis on the analysis and critical perspectives applicable to themes and techniques. Students will complete a research project.

## **188 LITERATURE TO FILM A2**

**Semesters: 1 Credit: .50**

*Prerequisite: English 9 and 10, Passed Reading and Writing sections of the OGT and a C- or higher in English.*

This course takes a serious look at powerful film adaptations of great literature. Students will consider the significant differences among the novel, play, short story and screen play as original text for film. Critical evaluations, both oral and written, will be required. Students will complete a research project.

## **190 WRITING APPLICATIONS B2**

**Semesters: 1 Credit: .50**

*Prerequisite: English 9 and 10, Passed Reading and Writing sections of the OGT and a C- or higher in English.*

This course is an introduction to fundamental skills in academic reading and writing. Summary, analysis, synthesis, and research documentation are emphasized along with critical thinking. Students will complete a research project.

**\*=COURSE NOT NCAA APPROVED**

# COURSE DESCRIPTIONS

## **191 SHORT STORIES**

**B2**

**Semesters: 1**

**Credit: .50**

*Prerequisite: English 9 and 10, Passed Reading and Writing sections of the OGT and a C- or higher in English.*

This course is a study of fictional writing with a focus on the important themes and critical perspectives applicable to this genre. Students will complete a research project.

## **198 APPLIED COMMUNICATIONS**

**Semesters: 1**

**Credit: .50**

*Prerequisite: English 9 and 10, passed reading and writing sections of the OGT and a C- or higher in English.*

This course is designed to offer students real-world experience in the field of communications. Throughout the course, students will develop the English skills necessary for effective communication across numerous mediums, including writing for print, broadcast, and the web through individual effort and group collaboration. Students will also research a variety of writing and speech mechanisms relevant to this topic. In developing independent projects, students will consider issues such as language (written and visual), information architecture, communication, and community.

### **\*JOURNALISM**

**Semesters:1**

**Credit: .50**

*Prerequisite: English 9 and 10, passed reading and writing sections of the OGT and a C- or higher in English.*

This course will develop composition and oral communication skills in both digital and print media writing and production. Grammar and composition will be studied through the development of a wide range of projects including feature writing, editorials, interviews and research reporting. Oral communication practices with mixed media productions will also be studied.

## **FAMILY AND CONSUMER SCIENCES**

### **FCS001 LIFE SKILLS**

**Semesters: 1**

**Credit: .50**

*Prerequisite: Freshman or sophomore standing*

Life skills course provides students with a wide range of subjects to assist them in becoming productive adults. This course emphasizes such topics as goal setting, decision making, setting priorities, relationship building and will analyze personal assets. Students will research careers and develop a career plan. Additional topics will include personal and academic achievement while developing life plans. Finally,

students will exercise leadership skills and develop strategies for lifelong learning. Students are required to join FCCLA.

### **FCS005 FOOD/NUTRITION AND WELLNESS**

**Semesters: 1**

**Credit: .50**

*Prerequisite: Junior or senior standing*

This course provides students with the understanding of food's role in society, instruction in how to plan and prepare meals, experience the proper use of equipment and utensils and background on the nutritional needs and requirements for healthy living. Students will use problem-solving to ensure overall body health, including links between physical activity, sleep, healthy lifestyle and work. Students are required to join FCCLA. Course cannot be retaken.

### **FCS006 PARENTING AND CHILD DEVELOPMENT**

**Semesters: 1**

**Credit: .50**

*Prerequisite: sophomore, junior or senior standing*

Child Development/Parenting provides students with knowledge of how parents and childcare providers meet the needs of infants and young children to provide for healthy growth and development. Pre-natal developments will be covered. In addition this course helps students recognize how different cultures, lifestyles and relationships effect children's growth and development. Students are required to join FCCLA.

### **596 HEALTHY AND SAFE FOOD**

**Semesters: 1**

**Credit: .50**

*Prerequisite: Freshman or sophomore standing*

Students will work with the basics of advocating a healthy lifestyle. They will determine nutritional information to guide healthy food choices. Students will recognize social and cultural factors that influence our food consumption. In laboratory situations, students will demonstrate safe-food handling practices, while developing basic food preparation skills. Students are required to join FCCLA.

### **597 COLLEGE LIFE SKILLS – MANAGING TRANSITIONS**

**Semesters: 1**

**Credits: .50**

*Prerequisite: Junior or senior standing*

Students will evaluate ways to make decisions related to educational, work and family goals. Included in this course will be strategies on how to plan for college, entrance exams, application process and interviews. Managing college life, finances and getting along with people will be analyzed and discussed. Students are required to join FCCLA.

\*Course NOT NCAA approved

# COURSE DESCRIPTIONS

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## **598 CAREER SEARCH II**

**Semesters: 1 Credits: .50**

*Prerequisite: Junior or senior standing*

Students will assess career plans based on self-knowledge and interests. Students will demonstrate job search skills including examination of career and workplace issues, employer demands, while developing interpersonal skills. Through field trips, students will develop some hands-on experience. Students are required to join FCCLA.

## **..... College 101**

**Semesters: 1 Credits: .20**

*Prerequisite: Junior or Senior status*

An introductory course designed to promote students' academics, social, personal, and career skill, leading to their holistic development and the encouragement of life-long learning. FCCLA dues. See also PSEO Course SDEV101.

## **INDUSTRIAL TECHNOLOGY**

### **571 WOODS TECH I**

**Semesters: 1 Credit: .50**

*Prerequisite: None*

This course is a complete introduction to all types of power equipment. In the first 9 weeks, students will learn the safety and operations of all the machines. Students gain experience on the machines by designing and building projects of their choice. Teacher approval of the project is required. All introductions to mechanical drawing, sketching, principles of design, a plan of procedure and a bill of materials are included. Quality and safety are stressed.

### **572 WOODS TECH II**

**Semesters: 1 Credit: .50**

*Prerequisite: Woods Tech I*

Woods Tech II is a continuation of Woods Tech I for students who wish to develop their skills and to understand woodworking procedures. Complete drawings and procedures for all projects are required for teacher approval.

### **581 METAL TECH I**

**Semesters: 1 Credit: .50**

*Prerequisite: None*

The student will spend the first three weeks studying the following areas: machine shop operation, sheet metal and welding. There are required projects in each area. The student will spend the remainder of the semester applying what has been learned.

### **582 METALS TECH II**

**Semesters: 1 Credit: .50**

*Prerequisite: Metals Tech I*

In this course students will learn theory and parts of machine shop operation and manufacturing. Two major projects are required in which students will use the various techniques learned in class.

### **578 ENGINEERING GRAPHICS I**

**Semesters: 1 Credit: .50**

*Prerequisite: None* This course is an introduction to drawing and the building of skill utilizing Computer Aided Design. It is open to all students with an interest in drafting and design. The course should be taken by any student who is interested in pursuing a career in the field of engineering, design, architecture and drafting.

### **579 ADVANCED ENGINEERING GRAPHICS**

**Semesters: 1 Credit: .50 each semester**

Students have the opportunity to advance through the 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> levels by completing 3 semesters of this course or students may stop after each semester. ENGINEERING GRAPHICS II

*Prerequisite: Engineering Graphic I*

This is a continuation of Engineering Graphics I. Students will develop three-dimensional drawings and construct Computer Aided Design images using coordinate systems.

ENGINEERING GRAPHICS III

*Prerequisite: Engineering Graphics I and II*

This course is a continuation of Engineering Graphics II. Students will continue to develop drawings using various techniques. There will be opportunities for students to develop a working portfolio.

ENGINEERING GRAPHICS IV

*Prerequisite: Engineering Graphics I, II, and III*

This course is an application of the knowledge gained in the previous engineering graphics courses. Students will create advanced drawings. These drawings will be used to solve problems concerning project design and function. There will be opportunities for students to develop a working portfolio.

# COURSE DESCRIPTIONS

## 583 INTRODUCTION TO ENGINEERING DESIGN

**Semesters: 2**                      **Credit: .50 each semester**

*Prerequisite: B or higher in Unified Algebra & Geometry I*

A design development process which enriches problem solving skills; students create and analyze models using specialized computer software. \*\*Students may be eligible for transcript college credit if a B is scored on the college credit exam. \*\*

## 985 CBI LAB (Career-based Intervention)

**Semesters: 2**                      **Credit: .50 each semester**

CBI LAB I

*Prerequisite: Taken in conjunction with CBI Math and CBI Related*

This course is an introductory class for students with an interest in exploring vocational career options. Students will use computer modules to get a hands-on look at eleven different vocations. Emphasis will be on critical thinking, problem solving, and teamwork.

CBI LAB II

*Prerequisite: CBI LAB I, taken in conjunction with CBI Math and CBI Related*

This course is the second in the CBI Lab series. This course will take a deeper look into modules chosen by the student to investigate further. An emphasis will be on critical thinking, problem solving, and teamwork.

## 986 CBI MATH (Career-based Intervention)

**Semesters: 2**                      **Credit: .50 each semester**

*Prerequisite: Placement according to standardized test scores, teacher recommendation and grades, Taken in conjunction with CBI Lab & CBI Related*

This course will emphasize the concepts and skills needed to pass the math portion of the Ohio Graduation Test. This includes numeration, problem solving, algebraic operations, fractions, functions of the coordinate plane, foundations of geometry, measurement, statistics and probability.

## 990 CBI RELATED (Career-base Intervention)

**Semesters: 2**                      **Credit: .50 each semester**

*Prerequisite: Taken in conjunction with CBI Lab & CBI Math*

This course presents concepts that will help the student cope with life issues and lessons to develop life and study skills. Time will also be given to assignment completion and study needed for other academic classes.

## MATH

### 263 Algebra I

**Semesters: 2**                      **Credit: .50 each semester**

This course emphasizes problem solving strategies for studying linear equations and inequalities; exponential quadratic, radical and rational functions; and statistics and probability. This course utilizes the power of technology (graphing calculators and computers) at all times. A graphing calculator is strongly recommended. The recommended models are the TI-83 and the TI-84 (plus or silver models)

### 271 \*TRANSITIONS ALGEBRA & GEOMETRY II

**Semesters: 2**                      **Credit: .50 each semester**

*Placement according to standard test scores, teacher recommendation, grades*

This course is an adjunct to the Unified II mathematics course. The student will continue their in-depth study of algebra, functions, geometry, trigonometry, probability, statistics and discrete mathematics. In addition the student will review basic mathematic properties and test-taking strategies in preparation of the Ohio Graduation Test. It is strongly recommended that each student own a graphing calculator. Recommended calculator models are the TI – 83 or the TI – 84 (plus or plus silver models).

### 259 UNIFIED ALGEBRA & GEOMETRY II

**Semesters: 2**                      **Credit: .50 each semester**

*Prerequisite: Unified Algebra & Geometry I*

In this course, students will extend their graphing skills, apply function to geometric figures on the plane, model situations with direct and indirect variations and become familiar with matrices. Trigonometry is introduced as well as quadratic functions and power models. Students will continue to be strong problem solvers as they work independently and in groups. It is strongly recommended that each student own a graphing calculator. Recommended calculator models are the TI – 83 or the TI – 84 (plus or plus silver models).

### 270 \*TRANSITIONS ALGEBRA & GEOMETRY III

**Semesters: 2**                      **Credit: .50 each semester**

*Placement from standard test scores, teacher recommendation, Unified Algebra & Geometry II/Transitions II*

This course is in adjunct to the Unified III course with an emphasis on review of basic mathematics. Students will continue their study of algebra, geometry, trigonometry and statistics. Both algebraic and geometric proofs will be covered. It is strongly recommended that each student own a graphing calculator. Recommended calculator models are the TI – 83 or the TI – 84 (plus or plus silver models).

**\*=COURSE NOT NCAA APPROVED**

# COURSE DESCRIPTIONS

## 265 UNIFIED ALGEBRA & GEOMETRY III

**Semesters: 2** **Credit: .50 each semester**

*Prerequisite: Unified Algebra & Geometry II or Transitions II*

Students will continue their study of algebra, geometry, trigonometry, and statistics. Both algebraic and geometric proofs will be covered in this course. It is strongly recommended that each student own a graphing calculator. Recommended calculator models are the TI – 83 or the TI – 84 (plus or plus silver models).

## 273 ALGEBRA II

**Semesters: 2** **Credit: .50 each semester**

*Prerequisite: Transitions III or Unified III*

In this course, students further develop their algebra skills and improve their ability to provide algebraic solutions to more difficult problems. Students will study the properties of linear, quadratic, exponential, and logarithmic functions and explore the characteristics of their graphs. Emphasis is placed on simplifying algebraic expressions and solving equations and inequalities.

## 269 AP STATISTICS

**Semesters: 2** **Credit: .50 each semester**

*Prerequisite: B- or better in Unified III, Algebra II, or Pre-Calculus. Workbook purchased is required.*

This course focuses on advancing statistics learned in previous courses, while working towards mastery of college level statistics. This course will prepare the students for the AP Statistics Exam. The instructional objectives for this course are outlined in the College Board Publications. It is strongly recommended that students in AP Statistics take the AP Exam. A graphing calculator is strongly recommended for this course.

## 266 PRE-CALCULUS

**Semesters: 2** **Credit: .50 each semester**

*Prerequisite: C- or higher in Unified III as a sophomore, or completion of Algebra II, AP Statistics or Unified III as a junior, or by teacher recommendation*

This course includes those mathematical topics necessary to prepare college-bound students for a first course in calculus. Students will study in-depth the properties of linear, quadratic, exponential, logarithmic, absolute value, step, piecewise, polynomial, rational, and trigonometric functions and explore the characteristics of their graphs. Additional topics covered include sequences, series, probability,

and statistics. A graphing calculator is recommended for this course.

## 272 AP CALCULUS AB

**Semesters: 2** **Credit: .50 each semester**

*Prerequisite: B- or higher in Pre-Calculus and/or by teacher recommendation*

This is an introduction to differential and integral calculus. The emphasis will be on developing a solid background for college level work in higher mathematics. This course also prepares students for the AP Test in Calculus AB. The instructional objectives for this course are outlined in the College Board Publications. It is strongly recommended that students in AP Calculus take the AP exam. A graphing calculator is recommended for this course.

## MUSIC

### 093 MUSIC APPRECIATION - A

**Semesters: 1** **Credit: .50**

*Prerequisite: None*

Music Appreciation - A covers a variety of topics in the creation. Topics may include, but are not limited to: musical notation and structure, instrumentation, music of other cultures, Baroque, Classical, Romantic, Jazz, and Rock music. This course is geared toward those students who wish to gain a deeper understanding of music history, music theory, and musical culture.

### 094 MUSIC APPRECIATION - B

**Semesters: 1** **Credit: .50**

*Prerequisite: None*

Music appreciation – B covers various topics in the creation of music. Topics may include, but are not limited to: musical theory, structure, instrumentations, composers, music of other cultures, and music from a variety of eras. This course is geared toward those students who wish to gain a deeper understanding of music history, music theory, and musical culture.

# COURSE DESCRIPTIONS

## 103 JAZZ BAND

**Semesters: 1** **Credit: .50**

*Prerequisite: None*

This course is designed for students who enjoy performing and furthering their musical studies in jazz. Studies will include theory, scales, chords, and may also include jazz history and performances. Daily participation and performances are required.

## 097 BAND

**Semesters: 2** **Credit: .50 each semester**

*Prerequisite: None (Course credit can be earned yearly up to maximum of 4 credits)*

Band is for any student who enjoys playing wind or percussion instruments and wants to learn to play with proper technique. Band is a performance-based course where daily classroom activities are structured around participation and improving skills. The school year is divided into two seasons: marching and concert seasons. Participation in summer and after school rehearsals is required. Participation in marching band is required for concert band participation. Members of band are eligible to participate in large group and solo and ensemble contests.

## 098 HIGH SCHOOL CHOIR

**Semesters: 2** **Credit: .50 each semester**

*Prerequisite: None (Course credit can be earned yearly up to a maximum of 4 credits)*

Choir is for any student who enjoys music and wants to learn to sing properly. Students will be assessed in a formal audition/screening setting. Choir is a performing group. Classroom activities are structured around daily participation. Concerts, programs and assemblies are prepared and presented, featuring selections from all periods of music, past and present. Members of the choir are eligible to participate in large group, solo and ensemble contests throughout the school year. Some rehearsals and performances are scheduled after school hours. Attendance and participation in performances is required. When enrollment allows, select groups of singers are chosen. One of the select choirs is the Symphonic Choir. Symphonic Choir is an elite group of singers chosen for their ability and interest in singing. Other select choirs may include Women's Choir and Concert Choir.

## PHYSICAL EDUCATION

### 842 PHYSICAL EDUCATION

**Semesters: 1** **Credit: .25**

*Prerequisite: Required for graduation*

The course will develop sportsmanship, cooperation and individual growth. Special emphasis will be placed on lifetime and team sports. Acceptable dress is required. \*\*Because of a change in state law and school board policy, it is now possible for students to earn an exemption for one high school physical education course.

### 843 HEALTH

**Semesters: 1** **Credit: .50**

*Prerequisite: Required for graduation*

This course is designed to teach the skills necessary for the physical, mental and emotional well-being of the individual.

### 844 LIFETIME & LEISURE SPORTS

**Semesters: 1** **Credit: .50**

*Prerequisite: Senior standing*

This is an elective physical education course offered for students who want to develop skills in sports that will last a lifetime. Students will develop new games, adapt new formats for existing games and learn the enjoyment of friendly competition. Students will be required to participate in daily activities.

### 845 WEIGHTLIFTING AND CARDIORESPIRATORY FITNESS

**Semesters: 1** **Credit: .50**

*Prerequisite: Senior standing*

This is an elective physical education course. The class consists of weightlifting and conditioning programs. The students will be responsible for completing their personal weightlifting conditioning programs along with a presentation on steroid abuse, body composition, nutrition supplements, and diets for athletes, etc. Students will be required to participate in daily activities.

# COURSE DESCRIPTIONS

## SCIENCE

### 311 \*PHYSICAL SCIENCE

**Semesters: 2**                      **Credit: .50 each semester**

*Prerequisite: Teacher recommendation*

Physical Science is comprised of three fields of science; Physics, Chemistry and Space Science. Students will study a variety of topics such as periodic table, atomic structure, energy, forces and motion, and chemical reactions. Course content includes discussions, lab experiments, activities and written assignments.

### 312 PHYSICAL SCIENCE – APPLICATIONS

**Semesters: 2**                      **Credit: .50 each semester**

*Prerequisite: None*

This college prep course will focus on three of the physical sciences; Physics, Chemistry and Space Science. Subjects such as atomic theory, kinetic energy theory, acids and bases, forces, energy, periodic table and historical discoveries will be studied. Individual projects, lab experiments, activities and discussion are used. Algebra skills and independent work skills are needed.

### 313 \*BIOLOGY

**Semesters: 2**                      **Credit: .50 each semester**

*Prerequisite: Teacher recommendation and completion of physical science*

This basic life science course will fulfill the graduation requirement for a second year of science. The units of study in this course include cell structure and functions, diseases, ecology, evolution and heredity. Lab reports and research projects are required.

### 314 BIOLOGY – APPLICATIONS

**Semesters: 2**                      **Credit: .50 each semester**

*Prerequisite: Completion of Physical Science*

This course fulfills college entrance requirements. Units on biochemistry, energy transfers, nucleic acids, microorganisms, genetics, evolution, and zoology are covered. Lab reports and research projects are required. Emphasis is on problem-solving and critical thinking skills.

### 309 INTRODUCTION TO GEOLOGY & ASTRONOMY

**Semesters: 2**                      **Credit: .50 each semester**

*Prerequisite: Junior or senior standing with priority given to students who have not passed the Ohio Graduation Science test.*

This is an elective science class that has some course work as internet assignments. It is an in-depth study

of the earth and its processes and space science. Topics include plate tectonics, volcanic activity, oceanography, mineralogy, meteorology and the solar system. There will be independent and group work assigned.

### 321 ENVIRONMENTAL SCIENCE

**Semesters: 2**                      **Credits: .50 each semester**

*Prerequisite: Junior or senior standing, completion of Biology Application or Biology Concepts, Teacher Recommendation*

This course is designed to familiarize students with a global perspective of the environment. Topics include ecosystems, pollution management, climate, land use, biodiversity and population growth. The students will explore consequences of environmental decisions through case studies, debates and investigations and labs. If a student is college-bound, chemistry is recommended.

### 316 CHEMISTRY I

**Semesters: 2**                      **Credit: .50 each semester**

*Prerequisite: Completion of Biology and Unified Algebra & Geometry II, Teacher Recommendation*

Chemistry I is an introductory course to the principles of chemistry. The course covers a study of matter including atomic structure, bonding, radioactivity, gas laws and acid-base reactions. The ability to manipulate algebraic equations is essential for success. Lab work encompasses basic chemistry lab techniques such as mass measurement, titration reactions, basic reactions, and product recovery. Homework is assigned regularly.

### 324 AP CHEMISTRY II

**Semesters: 2**                      **Credit: .50 each semester**

*Prerequisite: Chemistry I and completion of Unified Algebra & Geometry III or Algebra II. Departmental permission required.*

AP Chemistry II is an advanced study or continuation of Chemistry I. This course deals with the physical composition of matter and the properties involving chemical changes. Emphasis is placed on the formulas, equations, mathematics of chemistry, principles of atomic structure and principles of properties influencing compound formation. Laboratory investigation will be an integral part of the course and will focus on qualitative analysis. Students will have the opportunity to take the Advanced Placement test to earn college credit in May.

**\*Course NOT NCAA approved**

# COURSE DESCRIPTIONS

## 318 PHYSICS

**Semesters: 2**                      **Credit: .50 each semester**

*Prerequisite: Minimum of Pre-Calculus concurrent*

Physics is a study of the physical mathematical principles underlying material phenomena. These include mechanics, thermodynamics, wave motion, electricity and magnetism. Laboratory investigations will complement lecture topics. This course is intended for college-bound students interested in entering the engineering profession or medical or other science-related fields.

## 319 HONORS ANATOMY & PHYSIOLOGY

**Semester: 1**                      **Credit: .80**

*Prerequisite: see page 7 – dual enrollment.*

Biology 121 is a study in the fundamentals of human anatomy and physiology. Students will gain understanding of the approaches to anatomy and physiology and perform an in-depth study of histology, the integumentary system, the skeletal system, muscular system, endocrine system and nervous system including the special senses. Successful completion of this course requires a student to be motivated and committed to exploring the material. This course is designed to prepare students for further study in biology, medical or other science related fields. The pace and extensive amount of material covered in this course will require a student to spend a substantial amount of time outside of class reviewing the course material. Also must take 320 – Human A & P. (Fall only) See PSEO Course BIOG 121.

## 320 HUMAN ANATOMY & PHYSIOLOGY

**Semesters: 1**                      **Credit: .50**      **second semester**

*Prerequisite: Honors A+P or LCCC PSEO BIO 121*

This advanced course is a continuation and an in-depth study of the structure and function of the human body. The anatomy, physiology, and pathology of each of the eleven body systems are continued. This course is designed to meet the needs of the college-bound student or those students planning to enter a health-related profession or other careers related to biology. Also must take 319 LCCC A & P. (Spring only.)

## HONORS BIOLOGY I

**Semester 1**                      **Credit: .80**

*Prerequisite: see page 7 – dual enrollment.*

An introduction to the principles of biology recommended for science majors. Topics include basic chemistry, the cell, metabolism, photosynthesis,

genetics and evolution. A special fee will be assessed. Natural science core course. (Fall Only) See PSEO Course BIOG 161.

## HONORS BIOLOGY II

**Semester 1**                      **Credit: .80**

A continuation of Honors Biology I, emphasizing a taxonomic survey of the kingdoms, as well as a study of animal and plant anatomy and physiology and ecology. Laboratory required. A special fee will be assessed. Natural science core course. (Spring Only) See PSEO Course BIOG 162.

## SOCIAL STUDIES

### 411 WORLD HISTORY

**Semesters: 2**                      **Credit: .50 each semester**

*Prerequisite: Required for freshmen*

World History consists of a chronological survey of major world events and personalities from 1750 to the present. Included in this survey are historic eras, geographic settings, and various forms of governments. Students will also gain an understanding of current events.

### 412 AMERICAN HISTORY

**Semesters: 2**                      **Credit: .50 each semester**

*Prerequisite: Required for sophomores*

This is a survey course covering all of American History with in-depth study of American History from 1877 (Post-Reconstruction) to the present. Emphasis is on preparing students for the citizenship portion of the Ohio Graduation Test. This course is required for graduation.

### 415 AMERICAN GOVERNMENT

**Semesters: 1**                      **Credit: .50**

*Prerequisite: Required for seniors*

This course provides a detailed study of our federal government and the constitution as well as our state and local governments. American Government is required for graduation.

### 417 GEOGRAPHY

**Semesters: 2**                      **Credit: .50 each semester**

*Prerequisite: Junior or senior standing*

This course will feature physical and cultural geography. Emphasis will be placed on mapmaking. Students will study the physical features of the world, where people live and the effects of the land on the people.

# COURSE DESCRIPTIONS

## 413 AP AMERICAN HISTORY

**Semesters: 2**                      **Credit: .50 each semester**

*Prerequisite: Students with a B or higher in World History and department permission.* Course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with issues in United States History. Students will learn to assess historical materials; interpret and evaluate the relative significance of primary and secondary source material; and to present evidence and conclusions clearly and persuasively. This course will develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. Eligible to take A.P. Test at course end.

## 414 AP GOVERNMENT - US POLITICS

**Semesters: 2**                      **Credit: .50 each semester**

*Prerequisite: B or higher GPA in social studies classes, junior or senior status, and department permission.*

This is a comprehensive course that uses the perspective of political institutions to explore the history, organization, and functions of the United States Government. This course involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. Beginning with the Declaration of Independence and continuing to the present day, the course explores the relationship between individual Americans and our governing bodies. It takes a close look at the constitutional underpinnings of the U.S. Government; political beliefs and behaviors; political parties, interest groups and mass media; institutions of national government (the congress, the presidency, the bureaucracy, and the federal courts); public policy; and civil rights and civil liberties. Eligible to take A.P. test at course end.

## 419 ECONOMICS AND FINANCIAL LITERACY

**Semesters: 1**                      **Credit: .50**

*Prerequisite: senior standing*

This required course will prepare students for the choices and challenges of today's financial markets. A better understanding of personal finance will help students move into adulthood making more informed monetary decisions, realizing a greater potential for personal wealth, and fostering a stronger state and national economy. The class will focus on income, money management, spending and credit, saving and investing, consumer protection, and risk management. Students will learn and develop knowledge of financial literacy by understanding ABC's of checking, savings and investment accounts, and the importance of

maintaining a healthy checking account. They will develop an appreciation for setting financial goals, building monthly budgets, establishing and maintaining good credit, proper use of credit cards, managing credit issues and securing tax records.

## WORLD LANGUAGES

### 201 FRENCH I

**Semesters: 2**                      **Credit: .50 each semester**

*Prerequisite: Recommended for college-bound students. C average in math and English is recommended*

French I is designed to introduce students to a foreign language which has served as a foundation to our English language. The students will concentrate in five distinct areas of the language: listening, comprehension, speaking, reading and culture. At the end of the course the student should have acquired sensitivity to the value system and behavior patterns of French-speaking people as well as a general comprehension and working vocabulary of the language itself.

### 202 FRENCH II

**Semesters: 2**                      **Credit: .50 each semester**

*Prerequisite: French I (Semesters I & II) with a C- minimum for both semesters*

French II is a continuation of the French I program with greater emphasis on developing listening and speaking skills, expanding vocabulary and strengthening the grammar base introduced at the first level. Students will analyze in part that which constitutes a speaker's way of thinking and living. At the end of the course the student should be able to read and write with comprehension and speak and understand spoken French with a degree of fluency. Topics focus on vocabulary and functions necessary to travel abroad.

### 205 HONORS FRENCH III

**Semester: 1**                      **Credit: .80**

*Prerequisite: PSEO qualified with teacher recommendation. See page 7 – dual enrollment.*

This is a third year French course. An introduction to the language and cultures of the French-speaking world. Development of creative communication skills with a balanced emphasis on speaking, listening, reading and writing. Laboratory practice using various technologies. PSEO units applicable to the FR 101 credit of all Ohio public colleges. (Fall only) See PSEO Course FRNH 151

# COURSE DESCRIPTIONS

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## **206 HONORS FRENCH III**

**Semester: 1** **Credit: .80**

*Prerequisite: Advanced French II 1<sup>st</sup> semester/LCCC French 151 with a C+ or better.*

Continuation of a third year French course, elementary French I. Further study of the language and cultures of the French-speaking world. Continued development of creative communication skills with a balanced emphasis on speaking, listening, reading and writing. Laboratory practice using various technologies. PSEO units applicable to the FR 101 credit of all Ohio public colleges. (Spring only) See PSEO course FRNH 152.

## **207 HONORS FRENCH IV**

**Semester: 1** **Credit: .80**

*Prerequisite: Honors French III/LCCC French 152 with a B or higher.*

This is a fourth year French course. It is a review of the fundamental structures and introduction of more complex grammatical structures and communication skills with a balanced emphasis on speaking, listening, reading and writing. Exploration of the civilization, culture, and customs of French-speaking people. Laboratory practice using various technologies. PSEO units applicable to the FR 101 credit of all Ohio public colleges. (Fall only) See PSEO Course FRNH 251

## **208 HONORS FRENCH IV**

**Semester: 1** **Credit: .80**

*Prerequisite: Honors French IV 1<sup>st</sup> semester/LCCC French 251 with a C+ or better. Must score 200 or better for dual credit.*

This is a fourth year French course and a continuation of Intermediate French I. A further refinement of the structures and communicative skills with a balanced emphasis on speaking, listening, reading and writing. Continued exploration of the civilization, culture, and customs of French-speaking people. Laboratory practice using various technologies. PSEO units applicable to the FR 101 credit of all Ohio public colleges. (Spring only) See PSEO Course FRNH 252

## **221 SPANISH I**

**Semesters: 2** **Credit: .50 each semester**

*Prerequisite: Recommended for college-bound students. C average in Math and English is recommended. Preference will be given to sophomores and juniors who have not taken a language. This course is not open to seniors.*

Spanish I is an introduction to the language and cultures of the Spanish-speaking world. Students will concentrate in the main areas of the language:

reading, speaking, listening, comprehension, writing and culture. Throughout the course, students should develop and awareness of the value system and behavior patterns of the Spanish-speaking people as well as a general comprehension and working vocabulary of the language itself. Students will need their own workbook, project materials and a Spanish-English dictionary.

## **222 SPANISH II**

**Semesters: 2** **Credit: .50 each semester**

*Prerequisite: Spanish I (Semesters I & II) with a C-minimum for both semesters*

Spanish II is a continuation of the Spanish I with further study of the language and culture. Students will continue to develop their communicative skills as well as those of writing, listening, reading and comprehension. Students will need their workbook, dictionary and project materials.

## **224 HONORS SPANISH III**

**Semesters: 2** **Credits: 1**

*Prerequisite: Spanish I and II*

This is an advanced class. Students should have a good solid understanding of Spanish I and Spanish II. This course is intended for those students who have the skills and interest to study Spanish in greater detail. Our objectives are to converse with more fluency on a wider variety of topics, to further investigate major contributions to art, literature and historical events and to further study grammar and composition. Students will need to provide their own Spanish Dictionary and project materials. This course may be taken as the third or fourth year of language. See PSEO Course SPNH 151, 152.

## **225 HONORS SPANISH IV**

**Semesters: 2** **Credits: 1**

*Prerequisite: Spanish I, II, and III*

This is an advanced class. Students should have a good solid understanding of Spanish I, II and III. Goals are to speak with sufficient fluency, understand the spoken language, increase range of vocabulary, comprehend reading material and increase composition skills. Students will further investigate and compare the people and events that have contributed to Hispanic countries and to the United States. Students will need to provide their own Spanish Dictionary and project materials. This course may be taken as the third or fourth year of language. See PSEO Course SPNH 251, 252.

# COURSE DESCRIPTIONS

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## CHINESE I PART 1

**Semesters: 1**                      **Credit: .50 each semester**

*Prerequisite: Recommended for college-bound students. C average in Math and English is recommended.*

Chinese I Part 1 is an introductory course to Modern Standard Chinese, which includes the spoken language Mandarin and the written language of simplified characters. Students will also learn the basics of Pinyin for pronunciation purposes. This course introduces a beginner's vocabulary of Chinese characters using scenario-based examples. Students will also get a glimpse of Chinese tradition and society through cultural tips. NOTE: This course includes auditory comprehension assessments that require students to listen to audio files and to record themselves speaking. For these courses, it is essential that students have either a headset equipped with a microphone or access to an internal microphone within their computers. Taken as a computer based course.

## CHINESE I PART 2

**Semesters: 1**                      **Credit:.50 each semester**

*Prerequisite: Recommended for college-bound students. C average in Math and English is recommended.*

Successful completion of Chinese 1 Part 1 is required before enrollment in Chinese 1 Part 2. In this course, students will continue to expand their vocabulary, using new words in both dialogue and writing assignments. Topics covered in Part 2 include food, transportation, calling friends, date and time, the four seasons, holiday and travel. Students will also build upon their grammatical skills while reviewing such concepts as aspect particles, adverbs of degree, and location. NOTE: This course includes auditory comprehension assessments that require students to listen to audio files and to record themselves speaking. For these courses, it is essential that students have either a headset equipped with a microphone or access to an internet microphone with their computers. Taken as a computer based course.

## Chinese II Part 1

**Semesters: 1**                      **Credit: .50 each semester**

Before enrolling in this course, students should have a sound understanding of the concepts covered in Chinese I Parts 1 and 2. Chinese Part II is a second level course to Modern Standard Chinese-Mandarin as the spoken language and simplified characters as the written language. Students will continue learning Chinese vocabulary in Pinyin and Chinese characters.

This course introduces an intermediate-level vocabulary and Chinese characters using scenario-based examples. Students will continue learning about Chinese tradition and society through social trips to become more familiar with Chinese language and culture. NOTE: this course includes auditory comprehension assessments that require students to listen to audio files and to record themselves speaking. For these courses, it is essential that students have either a headset equipped with a microphone or access to an internal microphone within their computers. Taken as a computer based course.

## Chinese II Part 2

**Semesters: 1**                      **Credit: .50 each semester**

Before enrolling in Chinese II Part 2, students should have successfully completed Chinese II Part 1, or equivalent course work. In Chinese II Part 2, students will continue to expand their vocabulary, utilizing it in both dialogue and writing assignments. Lessons and topics are introduced in the same style as in Chinese II Part 1. Most lessons in this course continue to introduce simple English-like Chinese grammar. Topics covered in Part 2 give unique insight into one of the fastest growing, large economies in the world and give students conversational ability, listening comprehension, and a large volume of vocabulary. NOTE: This course includes auditory comprehension assessments that require students to listen to audio files and to record themselves speaking. For these courses, it is essential that students have either a headset equipped with a microphone or access to an internal microphone within their computers. Taken as a computer based course.

# COURSE DESCRIPTIONS

## ONSITE PSEO COURSE DESCRIPTIONS

Descriptions are taken from the LCCC Catalogue. These courses are offered at Keystone High School.

### BUSINESS/COMPUTER

#### **CISS 121, Microcomputer Applications 1 3(4)**

Introduction to microcomputer applications. Survey of application packages including Windows, word processing, spreadsheets, Internet, presentation and graphics. Includes hardware concepts and basic computer terminology and e-mail. Guidelines for selecting and evaluating hardware and software. Laboratory required. A special fee will be assessed. (IN2, IN4, IN5) Offered Summer, Fall and Spring Semesters. Spring only at Keystone.

### BIOLOGY

#### **BIOG 121, Anatomy and Physiology I 4(5)**

This course offers an introduction to cell biology and histology, as well as an in-depth study of the following human organ systems: integumentary, skeletal, muscular, nervous (including special senses) and endocrine. This course is intended primarily for allied health and nursing associate degree students, sports and fitness management students and science majors. Laboratory (involving dissection of specimens and use of pre-dissected cats) required. A special fee will be assessed. Natural science core course. (C3, IN1, IN5) Recommend prior completion of one of the following: high school biology, and chemistry, BIOG 115 or CHMY 161. Offered Summer, Fall and Spring Semesters. (Fall only at Keystone)

#### **BIOG 161, Principles of Biology I 4(6)**

An introduction to the principles of biology recommended for science majors. Topics include basic chemistry, the cell, metabolism, photosynthesis, genetics and evolution. A considerable writing component is present. Laboratory required. A special fee will be assessed. Natural science core course. (C3, IN1) *Prerequisite: Demonstrated proficiency at the Algebra II level on the placement assessment or MTHM 023 or divisional approval.* Offered Fall and Spring Semesters. (Fall only at Keystone)

#### **BIOG 162, Principles of Biology II 4(6)**

A continuation of BIOG 161 emphasizing a taxonomic survey of the kingdoms, as well as a study of animal and plant anatomy and physiology and ecology. Laboratory required. A special fee will be assessed. Natural science core course. (C3, IN1, IN2)

*Prerequisite: BIOG 161 or divisional approval.* Offered Summer, Fall and Spring Semesters. (Spring only at Keystone)

### FRENCH

#### **FRNH 151, Elementary French I 4(5)**

An introduction to the language and cultures of the French-speaking world. Development of creative communicative skills with a balanced emphasis on speaking, listening, reading and writing. Laboratory practice using various technologies. (IN1, IN2, IN3) Offered Fall, Spring and Summer semesters. (Fall only at Keystone)

#### **FRNH 152, Elementary French II 4(5)**

A continuation of elementary French I. Further study of the language and cultures of the French-speaking world. Continued development of creative communicative skills with a balanced emphasis on speaking, listening, reading and writing. Laboratory practice using various technologies. (IN1, IN2, IN3) *Prerequisite: FRNH 151 or divisional approval.* Offered Spring Semester. (Spring only at Keystone)

#### **FRNH 251, Intermediate French I 3(4)**

Review of the fundamental structures and introduction of more complex grammatical structures and communicative skills with a balanced emphasis on speaking, listening, reading and writing. Exploration of the civilization, culture and customs of French-speaking people. Laboratory practice using various technologies. (IN1, IN2, IN3) *Prerequisites: FRNH 152 or divisional approval.* Offered Summer and Fall Semesters. (Fall only at Keystone)

#### **FRNH 252, Intermediate French II 3(4)**

Continuation of Intermediate French I. Further refinement of the structures and communicative skills with a balanced emphasis on speaking, listening, reading and writing. Continued exploration of the civilization, culture and customs of French-speaking people. Laboratory practice using various technologies. (IN1, IN2, IN3) *Prerequisite: FRNH 251 or divisional approval.* Offered Spring and Summer Semesters. (Spring only at Keystone)

# COURSE DESCRIPTIONS

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## SPANISH

## CARNEGIE UNIT CONVERSION

### **SPNH 151, Elementary Spanish I 4(5)**

An introduction to the language and cultures of the Spanish-speaking world. Development of creative communicative skills with a balanced emphasis on speaking, listening, reading and writing. Laboratory practice using various technologies. (IN1, IN2, IN3) Offered Summer, Fall and Spring Semesters. (Fall only at Keystone)

1 Carnegie (Keystone) Unit = 5 LCCC Semester Credits

Therefore:

1 semester credit hour course = .20 Carnegie units

2 semester credit hour course = .40 Carnegie units

3 semester credit hour course = .60 Carnegie units

4 semester credit hour course = .80 Carnegie units

5 semester credit hour course = 1.00 Carnegie units

### **SPNH 152, Elementary Spanish II 4(5)**

Continuation of elementary Spanish I. Further study of the language and cultures of the Spanish-speaking world. Continued development of creative communicative skills with a balanced emphasis on speaking, listening, reading and writing. Laboratory practice using various technologies. (IN1, IN2, IN3) *Prerequisite: SPNH 151 or divisional approval.* Offered Summer, Fall and Spring Semesters. (Spring only at Keystone)

### **SPNH 251, Intermediate Spanish I 3(4)**

Review of the fundamental structures and introduction of more complex grammatical structures and communicative skills with a balanced emphasis on speaking, listening, reading and writing. Exploration of the civilization, culture and customs of Spanish-speaking people. Laboratory practice using various technologies. (IN1, IN2, IN3) *Prerequisites: SPNH 152 or divisional approval.* Offered Summer, Fall and Spring Semesters. (Fall only at Keystone)

### **SPNH 252, Intermediate Spanish II 3(4)**

Continuation of Intermediate Spanish I. Class discussions conducted in Spanish. Further refinement of the four language skills: comprehension, speaking, reading and writing. Introduction to a variety of topics related to Hispanic culture. Recommended for students planning to enroll in language and culture of Spain and language and culture of Latin America. Individualized practice on cassette tapes. (IN1, IN2, IN3) *Prerequisite: SPNH 251 or division approval.* Offered Summer, Fall and Spring Semesters. (Spring only at Keystone)

## STUDENT DEVELOPMENT

### **SDEV 101, College 101 1(1)**

An introductory course designed to promote students' academic, social, personal, and career skills, leading to their holistic development and the encouragement of life-long learning. (IN1, IN4, IN5) Offered Summer, Fall and Spring Semesters.