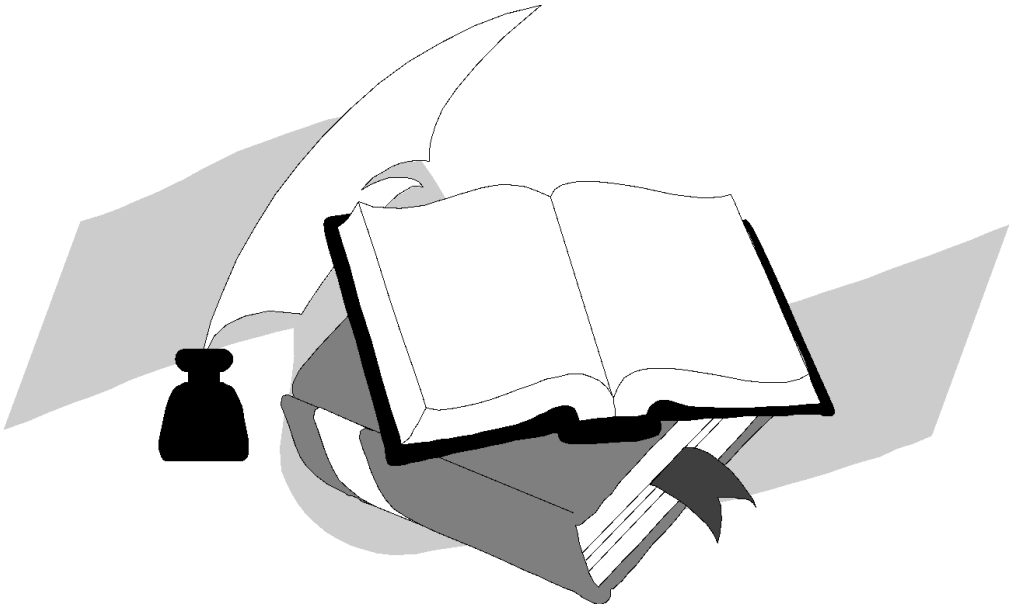
BLANCHESTER HIGH SCHOOL SCHEDULING GUIDE 2019 – 2020



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BLANCHESTER HIGH SCHOOL
CURRICULUM GUIDE

The administration, guidance department, and teaching staff at Blanchester High School are committed to working directly with students and parents. The goal is to provide a smooth transition from junior high school through high school and on to college, technical school, or the world of work.

This curriculum guide for pupils and parents presents requirements for graduation, course descriptions, college admissions requirements, vocational school admissions information, types of diplomas, and additional information needed to select a program of study at Blanchester High School. Each student is advised to use this information to prepare a four-year plan of study that will suit his/her plans for graduation and his/her personal goals.

In addition to academic pursuits, students are encouraged to participate in extracurricular activities. We also believe that volunteering in community service and/or having a part time job (with limited hours) provide valuable experiences. The combination of a strong academic program or technical program and the personal experiences gained by participating in extra-curricular activities will enhance the students' options for the future.

Scheduling requires thoughtful decisions. Students and parents are invited to consult with the counselor when questions arise. For the course registration process, students will be given the Curriculum Guide, a list of course offerings for their grade level, and the Course Registration Form. Students will be notified if the course offerings they select need to be modified.

SCHEDULING

We are all very concerned with providing your son/daughter with a sound and meaningful education. The extra time and thought spent before scheduling will help things run smoothly next year.

Consider all factors (such as these) before you turn in a schedule request form:

- Are all required courses scheduled?
- Will this schedule challenge the student?
- Will the student be overloaded with homework?
- Will the student have a study hall?
- Has the student taken the necessary courses for admission to the Great Oaks Vocational Center?
- Has the student taken appropriate academic classes to meet college entrance requirements?
- Has the student taken enough classes to meet requirements for athletic participation?

RULES FOR SCHEDULING

1. All students are required to take at least six (6) classes each semester.
2. Credit for one semester of a full year subject will not be granted.
3. Subjects must be taken in the proper sequence (example: Algebra I prior to Algebra II). Prerequisite means the requirement(s) that must be met before the student may enroll in a particular course. A course and its prerequisite may not be taken simultaneously unless permission is granted by the principal. Check for prerequisite(s) for individual courses.
4. Students are to make schedule changes within the first ten (10) days of the new school year. **No student requested changes will be made after this ten-day period (no changes at the beginning of second semester).**
5. All failed credits should be made up at the first opportunity. The same subjects need not be repeated except in the case of required subjects.
6. Students who have previously failed an elective may reschedule the same elective by permission from the teacher only. In cases where the number per class is limited, preference will be given to students taking the elective for the first time.
7. In cases where the class size is limited, preference in scheduling will be given to upper-class students. In cases where the limit falls within the same class, preference will be given to the students with the highest overall grade point average.
8. A ten day trial period will be required of all students who enroll at the Great Oaks Vocational Center. Any student who wishes to return to Blanchester High School must make an appointment to schedule classes by the eleventh day of class at Great Oaks.
9. If a student subject selection form is not returned with a parent's signature, the course choices made with the approval of an administrator or the guidance counselor will go into effect.
10. Class sections are determined by the number of students who select classes during the initial registration period. Classes may not be available to those students who attempt to enroll at a later date.
11. Students who wish to take an honors course must have earned a B or better in the prerequisite subject area course and/or have a teacher recommendation.

12. Agriculture Education students (2017-2018 and beyond) have the ability (and/or teacher recommendation) to select as a science elective from one of the following courses their junior or senior year; Animal and Plant Science, Plant and Horticultural Science, Animal Anatomy and Physiology, Veterinary Science, Livestock Selection Nutrition and Management.

A SPECIAL MESSAGE TO ATHLETES

If you plan to participate in any of the athletic programs (including cheerleading) at Blanchester High School, keep in mind the following eligibility requirements as you formulate your schedule.

1. By policy of the local board of education, an athlete must be passing at least 5 classes at all times (this does not include Physical Education Classes). This requirement is checked each week by the athletic director.
    a. An athlete who does not meet this requirement is ineligible for one week.
    b. Credit value of a class is not a factor. A student must be passing any five classes (this does not include Physical Education Classes).
2. By policy of the Ohio High School Athletic Association, at the end of each grading period, an athlete must be passing classes that total at least **5 credits.**
    . An athlete who does not meet the O.H.S.A.A. requirement is ineligible for the entire next grading period.
    Note: The grades in the final grading period of the current year will determine your eligibility for the first grading period of the next school year.
    b) The credit value of a class is a factor in this requirement; for the purpose of this policy, all classes are worth at least one credit, **EXCEPT PHYSICAL EDUCATION CLASSES** which are worth only ¼ of a credit.

College Credit Plus
Please note that in accordance with Bylaw 4-4-1, all courses taken in College Credit Plus must count toward high school graduation.

In addition, students electing to enroll in CCP must be certain that

1. The faculty members at the post-secondary institution understand that they will need to provide grades or a progress report at the time when the high school's grading period is over, and
2. The student-athlete is taking enough course work at the post-secondary institution exclusively or between the post-secondary institution and the high school combined to be equivalent to five one-credit courses.

Calculating equivalency of credits in the post-secondary institution is conducted in the same manner as in the high school, based on the Carnegie unit. **College courses for which three or more semester hours of credit are earned shall be awarded one Carnegie unit.** Fractional Carnegie units will be awarded proportionally.

Examples of CCP options:

Example 1st Nine-Week Grading Period

Subject	**School**	**Credit & Duration**	**Equivalency (Must equal 5 units)**
History	High	1 (year course)	1 x 1 = 1
Literature	CCP	3 semester hours	1 x 2 = 2
Calculus	CCP	5 semester hours	1 x 2 = 2
Biology	CCP	3 semester hours	1 x 2 = 2
Total Credits			**7 = eligible for 2nd grading period provided all courses passed**

Example 2: 4th Nine-Week Grading Period

Subject	**School**	**Credit & Duration**	**Equivalency (Must equal 5 units)**
French	CCP	5 semester hours	1 x 2 = 2
Literature	CCP	3 semester hours	1 x 2 = 2
Computers	CCP	2 semester hours	0.67 x 2 = 1.34
Biology	CCP	3 semester hours	1 x 2 = 2
Total Credits			**7.34 = eligible for 1st grading of next school year period provided all courses passed**

The factor of 2 is used for post-secondary institutions that are on the semester system. Note that this student is taking all courses at the post-secondary institution, which is acceptable.

It is important that all student athletes schedule enough classes to meet the eligibility requirements. **If a student athlete has a physical education class (this includes weight lifting), it would be wise not to schedule any study halls that semester.**

PROMOTION CRITERIA FOR GRADE LEVEL PLACEMENT

First Full Year of Attendance	9th Grade
Second Full Year of Attendance	10th Grade
Third Full Year of Attendance	11th Grade
Fourth Year of Attendance and 15 Credits	12th Grade

CLASS RANK / TRANSCRIPTS

		Credit Hours		**1Credit**
A	=	(95 - 100)	=	4.0
A-	=	(90 - 94)	=	3.7
B+	=	(87 - 89)	=	3.3
B	=	(84 - 86)	=	3.0
B-	=	(80 - 83)	=	2.7
C+	=	(77 - 79)	=	2.3
C	=	(74 - 76)	=	2.0
C-	=	(70 - 73)	=	1.7
D+	=	(65 - 69)	=	1.3
D	=	(60 -64)	=	1.0
F	=	(0 - 59)	=	0.0
I	=	Incomplete		
P	=	Pass (No assigned value, student does receive assigned credits)		

The signed and sealed transcript, which accompanies college applications, includes all coursework attempted, Grade Point Average, and Rank in Class.

STUDENTS OF HONOR

At the conclusion of each grading period, Blanchester High School recognizes the outstanding academic achievement of our students by publishing the Students of Honor. There are four levels of student of honor:

1. Summa Cum Laude – The student has earned a 4.0 GPA.
2. Magna Cum Laude – The student has earned a GPA between 3.8 – 3.99.
3. Cum Laude – The student has earned a GPA between 3.5 – 3.799.
4. Merit – The student has earned no more than one C, no grade lower than a C, with a GPA between 3.0 – 3.499.

The valedictorian(s) of a class will be the student(s) with the highest grade point average calculated at the conclusion of the 4th nine weeks of the senior year and meets the requirements of the honors diploma.
The salutatorian(s) of a class will be the student(s) with the second highest grade point average calculated at the end of the 4th nine weeks of the senior year and meets the requirements of the honors diploma.
Final class rank will be determined at the end of the school year.

ACADEMIC HONORS

To be eligible for awards, including but not limited to Valedictorian, Salutatorian, Top Ten, or President's Education Award , your child must be enrolled for four (4) consecutive semesters prior to the second semester of his/her senior year at Blanchester High School and **has earned an Honors Diploma**. Your child's grade point average, for such award purposes, will be established after she/he has completed four (4) consecutive semesters of attendance at Blanchester High school prior to the second semester of her /his senior year.

Valedictorian and Salutatorian:
The Valedictorian is the student(s) in a graduating class who has earned the highest four (4) year cumulative grade point average (GPA) and **has earned an Honors Diploma**. The Salutatorian is the student(s) in a graduating class who has earned the second highest four (4) year cumulative grade point average (GPA) and **has earned an Honors Diploma**. The "Top Ten" ranking will be awarded to the ten students in the graduating class who have earned the highest four year cumulative grade point average and **has earned an Honors Diploma.**

BHS GRADUATION AND COURSE REQUIREMENTS

Students must meet both testing requirements and curriculum requirements in order to earn a diploma

Curriculum Requirements	State Minimum
English Language Arts	4 units
Health	½ unit
Mathematics	4 units [1]
Physical Education	½ unit
Science	3 units [2]
Social Studies	3 units [3]
Electives	6 units [4]
Other Requirements[5]	
Economics and Financial Literacy [6]	
Fine Arts	1 unit
Computer Applications	½ unit

[1]Mathematics units must include 1 unit of algebra II or the equivalent of algebra II.

[2]Science units must include 1 unit of Physical sciences, 1 unit of life sciences, and 1 unit advanced study in one or more of the following sciences: chemistry, physics, or other physical science; advanced biology or other life science; astronomy, physical geology, or other earth or space science.

[3]Social Studies units must include 1 unit of world studies, 1 unit of American history and 1unit of American government.

[4] Elective units must include any combination of foreign language, fine arts, business, career-technical education, technology, agricultural education or language arts/English, mathematics, science or social studies courses not otherwise required.

[5] Flex credit is available through approval by an administrative team.

[6]All students must receive instruction in economics and financial literacy and must complete at least two semesters of fine arts during grades 9-12. Students following a career-technical pathway are exempted from the fine arts requirements.

COLLEGE CREDIT PLUS PROGRAM

1. You may enroll in College Credit Plus, (known as CCP), non sectarian (non religious) and non-remedial courses under this program if you are an Ohio college-ready student grades 7-12.
2. Each CCP student can take no more than 30 college credit hours per academic year; summer not included. No more than 120 college credit hours while in the program. Students are now eligible to take CCP courses in the summer.
    - If student exceeds either limit, school must promptly notify student and give student choice of adjusting schedule or self-paying.
3. Students choosing to take summer courses will not be able to participate during the last quarter (9 weeks).
4. There are two options related to the type of credit that you elect at the time of your enrollment in a college course. Option A allows you to choose to receive college credit only. Option B allows you to choose to receive high school credit and college credit plus credit.
5. By March 1, in the years that you are a seventh through twelfth grade student, your high school will provide you and your parents with general information about the program. A special meeting is scheduled in February to present this information.
6. Counseling assistance will be available to you and your family.
7. By April 1, you must notify your high school if you intend to participate in the program in the following school year. If for some reason you decide after April 1, that you do not want to participate in the college credit plus option program, you should notify the guidance counselor immediately.
8. Before you enroll in any courses, you and your parents must sign a statement indicating that you have received information about the program and are aware of your responsibilities regarding the program.
9. You must be admitted by an eligible CCP institution. The CCP institution you want to attend may have special entrance requirements you must meet before you can take courses there.
10. You will receive one high school credit for every 3 or more credit hour college course. If the student takes a 2 hour college credit course they will receive 2/3 high school credit, and if the student takes a 1 hour college course they will receive 1/3 high school credit.
11. Transportation and incurred expenses (Parking passes, etc…) are the responsibility of the students and parents.
12. CCP course grades will affect the student's final high school grade point average and class rank.
13. Before purchasing the required books for your courses check with the Blanchester High School Media Center.

14. **According to Ohio Administrative Code 3333-1-65.6(B)(2) If the student receives a failing grade at the end of the college course; or if the student withdrawals from or drops the college course subsequent to the 14th calendar day after the particular course began, the school is permitted to seek appropriate reimbursement. If the student receives a "D" the letter grade is not transferable to other secondary institutions.**

ACADEMIC HONORS DIPLOMA

Diplomas with Academic Honors requirements pre-suppose completion of all high school diploma requirements. Students need to fulfill all but one of the following eight (8) criteria:

1. Earn four (4) units of English, including at least two years of honors or AP
2. Earn four (4) units of math, including honors algebra I, honors geometry, honors algebra II or equivalent and another higher level course or a four-year sequence of courses that contains equivalent content
3. Earn four (4) units of science, including two (2) units of advanced science
4. Earn four (4) units of social studies
5. Earn either three (3) units of one world language or two (2) units each of two (2) world languages
6. Earn one (1) unit of fine arts
7. Earn at least a 3.5 on a 4.0 scale
8. Earn at least 27 on the ACT or a combined score of 1280 on the SAT

STEM HONORS DIPLOMA

Diplomas with Stem Honors requirements pre-suppose completion of all high school diploma requirements

1. Earn four (4) units of English, including at least two years of honors or AP
2. Earn five (5) units of math, honors algebra I, honors geometry, honors algebra II or equivalent and another higher level course or a four-year sequence of courses that contains equivalent content
3. Earn five (5) units of science, including two (2) units of advanced science
4. Earn three (3) units of social studies
5. Earn either three (3) units of one world language or two (2) units each of two (2) world languages
6. Earn one (1) unit of fine arts
7. Electives: Earn two (2) units with a focus in STEM courses
8. Earn at least a 3.5 on a 4.0 scale
9. Earn at least 27 on the ACT or a combined score of 1280 on the SAT
10. Field Experience: complete a field experience and document the experience in a portfolio specific to the student's area of focus
11. Portfolio: develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus that is reviewed and validated by external experts

CAREER TECH HONORS DIPLOMA

High school students can gain state recognition for exceeding Ohio's graduation requirements through a Career-Tech Honors Diploma. High-level coursework, college and career readiness tests and real-world experiences challenge students.
Students must meet ***all but one*** of the following criteria, unless it is a minimum graduation requirement. Students must meet general graduation requirements to qualify for honors diplomas.

1. Earn four (4) units of math
2. Earn four (4) units of science, including two (2) units of advanced science
3. Earn four (4) units of social studies
4. Earn two (2) units of one world language
5. Electives: Earn four (4) units of career-technical courses (Local Ag-Ed Curriculum)
6. Earn at least a 3.5 on a 4.0 scale
7. Earn at least 27 on the ACT or a combined score of 1280 on the SAT
8. Field Experience: complete a field experience and document the experience in a portfolio specific to the student's area of focus
9. Additional Assessments: Earn an industry-recognized credential or achieve proficiency benchmark for appropriate Ohio Career-Technical Competency Assessment (WebXam) or equivalent.

ARTS HONORS DIPLOMA

Diplomas with Arts Honors requirements pre-suppose completion of all high school diploma requirements

1. Earn four (4) units of English, including at least two years of honors or AP
2. Earn four (4) units of math, including honors algebra I, honors geometry, honors algebra II or equivalent and another higher level course or a four-year sequence of courses that contains equivalent content
3. Earn three (3) units of science, including one (1) units of advanced science
4. Earn three (3) units of social studies
5. Earn either three (3) units of one world language or two (2) units each of two (2) world languages
6. Earn four (4) units of fine arts

7. Electives: Earn two (2) units with a focus in fine arts course work
8. Earn at least a 3.5 on a 4.0 scale
9. Earn at least 27 on the ACT or a combined score of 1280 on the SAT
10. Field Experience: complete a field experience and document the experience in a portfolio specific to the student's area of focus
11. Portfolio: develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus that is reviewed and validated by external experts

GREAT OAKS VOCATIONAL PROGRAMS
Grades 11-12

Laurel Oaks serves school districts in Clinton, Fayette, and Highland counties with career-technical programs. The campus is located next to the Wilmington Air Park.

High school students residing in participating school districts may attend Laurel Oaks (or any Great Oaks campus) and earn certification in a career field as well as college credit while completing their high school requirements. Students attending Great Oaks receive a high school diploma from their home school when they complete their graduation requirements. They may participate in their high school's commencement exercises.

Career programs at Laurel Oaks include Animal Science and Management, Automotive Technology—Collision, Automotive Technology—Mechanics, Aviation Maintenance Technician, CareerX, Computer Service Technician and Networking, Construction Technologies, Cosmetology, Dental Assisting, Digital Arts and Design, Early Childhood Education, Equine (Horse) Science and Management, Exercise Science and Sports Medicine, Health Technology, Heavy Equipment Operations and Engineering, Industrial Diesel Mechanics, Web Applications and Game Development and Welding. Other career programs are available at other Great Oaks campuses; for a complete list go to hs.greatoaks.com.

Students at Laurel Oaks use labs, equipment, and tools that are used in industry. For instance, Equine Science students care for and train horses in the Laurel Oaks stables; Aviation Maintenance students work on a variety of airplanes, Dental Assisting students learn in a dental office lab, etc.

Daily transportation is provided to and from the Laurel Oaks campus. Students who wish to enroll at Live Oaks (Milford), Scarlet Oaks (Sharonville), or Diamond Oaks (Dent) should see a counselor for more information.

Students attending Great Oaks may participate in all extra-curricular activities at their home high school if scheduling and transportation can be arranged.

Attendance at Great Oaks is free for high school students.

CREDIT RECOMMENDATIONS FOR ADMISSION TO GREAT OAKS

Credits earned through the Sophomore Year:

2 units of English	2 units of social studies (world studies, American studies)
2 units of math	½ unit of health, ½ unit of Phys. Ed., ½ unit of computer literacy
2 units of science	

If the student does not have these classes and credits from BHS they will need to be made up before they can be enrolled at Great Oaks (possible exception for P.E). Also, Great Oaks will test any students who still need to pass one or more sections of their End of Course Exams. There may be opportunities for students to earn industry credentials as an alternative to the end of course exams to be eligible to graduate.

Students and parents will be given an opportunity to tour the campus before they decide to enroll at Great Oaks. **After the first ten days of school, a student may not return to Blanchester High School during that school year.** A student may make arrangements to return to Blanchester High School the following school year.

ART COURSE OF STUDY

121 PHOTOGRAPHY (1 Semester)
OPEN TO: 9 – 12
CREDIT: .5
REQUIREMENTS: Must have a digital camera with MANUAL CONTROLS
Photography is a course designed to teach students how to use a digital camera and to explore the world of photography. We will begin by learning the technical aspects of how to use the camera and manipulate its manual controls. We will then progress into compositional techniques used to create a deliberate image. Students will be required to devote time outside of class photographing their subjects.

122 BEGINNING 2D (1 Semester)
OPEN TO: 9 -12
CREDIT: .5
Beginning 2D is a course designed for students who are interested in learning about drawing, painting, and other two-dimensional media. We will first focus on the technical aspects of creating 2-dimensional artwork. Once students have gained adequate skills in drawing, they will then use those skills to convey their own creative ideas.

123 ADVANCED 2D (1 Semester)
OPEN TO: 9 – 12
CREDIT: .5
Advanced 2D is a course designed for students who are serious about two-dimensional art. Students will refine their skills and explore who they are as artists. They will have freedom to develop artistic prompts in whatever way they choose. It will be necessary for students to think independently in order to create works that reflect them as artists.

124 BEGINNING 3D (1Semester)
OPEN TO: 9 – 12
CREDIT: .5
Beginning 3D is a class designed to teach students the fundamentals of sculpture. We will begin by learning the three main building techniques of clay: pinch, coil, and slab. Students will then use their knowledge of these techniques to express their own creative ideas.

125 ADVANCED 3D (1 Semester)
OPEN TO: 9 – 12
CREDIT: .5
Advanced 3D is a course designed for students who are serious about three-dimensional art. Students will use the skills and knowledge they gain from Beginning 3D and apply them to new material. We will explore the use of non-traditional material such as packing tape, organic material, found objects, and more.

126 ADVANCED PHOTOGRAPHY (1 Semester)
PREREQUISITE: Photography
OPEN TO: 9 - 12
CREDIT: .5
Requirements: Must have a digital camera with MANUAL CONTROLS
Advanced Photography is a course designed to allow students to develop their creative talent with the skills they learned from Beginning Photography. Students will be creating meaningful bodies of work and trying new techniques. Students will be required to devote time outside of class photographing their subjects.

MUSIC COURSE OF STUDY

141 BLANCHESTER HIGH SCHOOL CHORUS (1 or 2 Semesters)
OPEN TO: 9-12
CREDIT: 1 or .5 credit per semester
The high school chorus offers the student contact with choral music stemming from the beginnings of our modern Western Civilization to present day classics and popular styles. Music from the Baroque, Classical, and Romantic Periods as well as the 20th Century are performed along with recent (1950's to the present) Popular and Folk Music. Students are required to interview with an audition to test for minimum proficiency. The main requirement for acceptance will be the willingness to sing and participate in the group activities. These activities include, but may not be limited to: concerts, performances at sporting events, performances at school events such as Graduation and fund-raising. Grades are based on musicianship, performances, singing test/quizzes, and some written assignments.

142 BLANCHESTER WILDCAT BAND (2 Semesters)
OPEN TO: 9-12
CREDIT: 1
The Blanchester Band is made up of seniors, juniors, sophomores, and freshmen brought together for the purpose of learning precision and musical interpretation with performance as a finished product. The band will perform at home and away football games, all home boys' basketball games, community parades during the school year and summer, various competitions during the fall, and the concert band will perform several concerts throughout the rest of the school year. Attendance at all events is mandatory. Band camp, which is mandatory, is held during the last part of July, and is a prerequisite for marching band. There are fees associated with band and band camp that must be paid prior to the last day of school, the previous school year.

143 COLOR GUARD (1 Semester)
OPEN TO: 9-12
CREDIT: .5
This class is part of the Marching Wildcat Band, but only lasts through the first semester. While students request this class in February, auditions take place in March or April. Students need to also select alternate elective courses on the course request sheet. The fall color guard is open to students in grades 9-12, and is brought together for the purpose of learning precision and musical interpretation with performance as a finished product. The color guard students perform in the band at home and away football games, community parades during the school year and summer, several competitions in the fall, as well as pep rallies. Attendance at all events is mandatory. Band camp, which is mandatory, is held in late July, and is a prerequisite for the course. Some years there may be an additional guard only camp. There are additional fees associated with band

144 MUSIC TECH I (1 Semester)
OPEN TO: 9-12
CREDIT: .5
Music Tech I covers the fundamentals of music technology and provides students the opportunity to create, share, discuss, read, write about, and listen to music made with technology. While the course focuses on the history and possible futures of music technology, students actively use technology to explore topics like audio editing, sequencing software, remixing, sound systems, the modern music business, studio recording, synthesizers, copyright law, Djing, recording media, electric guitars, video game music, and other contemporary themes.

145 MUSIC THEORY AND COMPOSITION (1 Semester)
PREREQUISITE:Previous music reading experience in instrumental or vocal music.
OPEN TO: 9-12
CREDIT: .5
This class is designed for the student who wishes to further study the building blocks of music and is highly recommended for those who plan to major or minor in music at the collegiate level. Students who complete the course will be able to complete and understand exercises using general rules of part writing, perform basic chord analysis, aurally identify both basic intervals and chord types, take basic melodic dictation, perform basic sight-singing exercises, and perform basic orchestration and composition.

ENGLISH DEPARTMENT COURSE OF STUDY

300 English I (2 Semesters)
OPEN TO: 9
CREDIT: 1
English I is required for all students who are not enrolled in Honors English I and will incorporate all Ohio Standards for Grade 9 English/Language Arts.. It will include a review of the fundamentals of English usage, an introduction to all steps in the writing process, and the study of literature to build vocabulary and critical thinking skills. The course also introduces students to research skills.

300H HONORS English I (2 Semesters)
PREREQUISITES: B or better in English 8 (teacher recommendation required)
OPEN TO: 9
CREDIT: 1
In addition to incorporating all Ohio Standards for Grade 9 English/Language Arts, in Honors English I, students will explore literature from various cultures and time periods. They will interpret, analyze, evaluate and critique literature and demonstrate their understanding through discussions, presentations and essays. They will research various topics and will frequently write creative pieces using all steps in the writing process. Students will develop effective usage of sophisticated grammatical structures and descriptive language. Much independent work, including a summer reading component, will be required.

301 English II (2 Semesters)
OPEN TO: 10
CREDIT: 1
English II is required of all sophomores who are not taking Honors English II. The course will continue to build upon skills emphasized in English I and will address all Ohio Standards for grade 10 English/Language Arts.

301H HONORS English II (2 Semesters)
PREREQUISITES: B or better in Honors English I (teacher recommendation required)
OPEN TO: 9-10
CREDIT: 1
Honors English II continues the skills emphasized in Honors English I. Students will be expected to read challenging literature from a variety of cultures and time periods to prepare them for college-level material. Students will respond to these works using analytical, creative, written, and oral forms. The course's writing requirements will consist of formal and informal writing with revision, as well as a researched argument project.

302 English III (2 Semesters)
OPEN TO: 11
CREDIT: 1
English III is required of all students who are not enrolled in Honors English III. The course will continue to build upon skills addressed in English II and will address all Ohio Standards for Grade 11 English/Language Arts. Students will study a variety of literary forms with an emphasis on American authors. Students will compose narrative and expository writing, including a research project. Through their writing, students will master writing conventions such as spelling, grammar, and punctuation, and they will apply communication skills in increasingly sophisticated ways.

302H HONORS English III (2 semesters)
PREREQUISITES: B or better in Honors English II (teacher recommendation required)
OPEN TO: Students in the following scenarios:
1. Students who have taken end of course tests for English I & English II and do not yet meet the requirements for CCP English
2. Students who do not wish to take CCP English.
CREDIT:1
This course prepares students for the literacy demands of college and career. Students in this course will continue to build skills to meet the literacy demands they will encounter in college and career. Students will continue to study complex fiction and non-fiction and develop advanced composition skills for academic modes of writing including analysis, argument, and research

303 English IV (2 Semesters)
OPEN TO: 12
CREDIT: 1
English IV is required of all students who are not enrolled in Honors English III. The course will continue to build upon skills addressed in English II and will address all Ohio Standards for Grade 11 English/Language Arts. Students will study a variety of literary forms with an emphasis on American authors. Students will compose narrative and expository writing, including a research project. Through their writing, students will master writing conventions such as spelling, grammar, and punctuation, and they will apply communication skills in increasingly sophisticated ways.

303H HONORS English IV (2 semesters)
PREREQUISITES: B or better in Honors English III (teacher recommendation required)
OPEN TO: Students in the following scenarios:
1. Students who have taken end of course tests for English I & English II and do not yet meet the requirements for CCP English
2. Students who do not wish to take CCP English.
CREDIT:1
This course prepares students for the literacy demands of college and career. Students in this course will continue to build skills to meet the literacy demands they will encounter in college and career. Students will continue to study complex fiction and non-fiction and develop advanced composition skills for academic modes of writing including analysis, argument, and research

304H HONORS English V (2 semesters)
PREREQUISITES: B or better in Honors English IV (teacher recommendation required). Teacher recommendation not needed for students enrolling in this course after earning CCP credit for Composition I, Composition II, or AP Literature & Composition.
OPEN TO: Students in the following scenarios:
1. Students who do not wish to take CCP English.
2. Students who have taken all CCP and Advanced Placement courses offered at Blanchester High School and would like to continue to hone reading and writing skills for college and career readiness.
CREDIT:1
This course prepares students for the literacy demands of college and career. Students in this course will continue to build skills to meet the literacy demands they will encounter in college and career. Students will continue to study complex fiction and non-fiction and develop advanced composition skills for academic modes of writing including analysis, argument, and research.

310 CCP Composition I & American Literature I (2 Semesters)
PREREQUISITES:
ACT English Score 18 or higher OR ACCUPLACER English Score of 5 or higher
AND Acceptance into Southern State Community College
OPEN TO: Students who have taken end of course tests for English I & English II and meet the above criteria.
CREDIT: 6 Undergraduate Semester Hours in English from Southern State Community College
First semester, students will enroll in Composition I, an introduction to expository writing, emphasizing the clear and concise expression of ideas in a variety of rhetorical modes. Second semester, students will enroll in American Literature I. Students will explore major works in American literature written prior to 1865. Readings are drawn from the Puritan Age, Colonial Period, Romantic Age and the Age of Realism. Students will be expected to read widely from assigned and self-selected materials, to write extensively in response to assigned and self-selected topics, to conduct research independently, and to actively engage in class discussions. Students will read and write to enter conversations that extend beyond the classroom and the community as they examine complex issues and enduring questions facing society and the human condition. To meet the demands of the course, students need to have access to the Internet outside of class time (i.e. school library, public library, home, etc.).This course includes a required summer reading component.

311 CCP Composition II & American Literature II (2 semesters)
PREREQUISITES:

1. Students must be enrolled Southern State Community College
2. Students must have earned credit for ENGL 1101: Composition I and ENGL 2030: American Literature Age of Exploration to Romanticism

OPEN TO: Students who have taken end of course tests for English I & English II and meet the above criteria.
CREDIT: 6 Undergraduate Semester Hours in English from Southern State Community College
First semester, students will enroll in American Literature II and explore major works in American literature written after 1865. Readings are drawn from the following literary movements: Modernism, the Harlem Renaissance, and Postmodernism. During second semester, students will enroll in Composition II, which will advance skills acquired in Composition I, continuing to engage students in the clear and concise expression of ideas emphasizing literary analysis, argumentation, and research writing. MLA documentation is required. Students will be expected to read widely from assigned and self-selected materials, to write extensively in response to assigned and self-selected topics, to conduct research independently, and to actively engage in class discussions. Students will read and write to enter conversations that extend beyond the classroom and the community as they examine complex issues and enduring questions facing society and the human condition. To meet the demands of the course, students need to have access to the Internet outside of class time (i.e. school library, public library, home, etc.).This course includes a required summer reading component.

325 COMMUNICATIONS (2 Semesters)
OPEN TO: 9-12 Yearbook Advisor approval required.
CREDIT: 1 elective credit
This course is the study of the publishing process. Ultimately, this is a journalism class. Students are involved in the construction of the yearbook, from the planning stages through the completed product. During this process, students are involved in composition, sales, photography, interviewing, copywriting, desktop publishing, proofreading and editing, and meeting factory deadlines. This class requires time spent outside of class. Application and yearbook advisor approval is required.

330H AP English – LITERATURE & COMPOSITION (2 Semesters)
OPEN TO: 12
PREREQUISITES: B or higher in CCP Composition I or Honors English III or IV and teacher recommendation.
CREDIT: 1
ADVANCED PLACEMENT LITERATURE & COMPOSITION is one of over 30 college-level courses designed for highly motivated students. At Blanchester, the AP program is offered is Literature and Composition. The exceptional reputation of the AP program is made possible by the close cooperation of secondary schools, colleges, and the College Board (the organization which has developed AP). More than 2,600 universities and colleges worldwide grant credit, advanced placement, or both to students who perform satisfactorily on an exam, which is given over the course in the spring. Students enrolled in the AP course at Blanchester may take the AP exam at the end of the course. The exam fee is currently $94.00. Students who qualify for financial assistance are eligible for a fee reduction. As a result of passing the test, the student may be eligible to waive freshman English requirements at the college or university in which he or she enrolls. However, the ultimate decision to grant this credit rests with each college or university. It is each student's responsibility to know the requirements of the institution he or she chooses to attend.
Each student who elects to take this course commits to tackling challenging literature. As detailed in the "Advanced Placement Literature and Composition Course Description" from the College Board (http://goo.gl/3xbYI9), the literature studied in this course are works of literary merit, defined as "pieces that invite and reward rereading and do not … yield all ... of their pleasures of thought and feeling the first time through." These works "require careful, deliberative reading." This course requires you "to take the time to understand a work's complexity, to absorb its richness of meaning, and to analyze how that meaning is embodied in literary form." Students will read widely and deeply with a concentration on British and American authors, although some works in translation will also be included. By the end of the course, students will have studied works beginning at least from the 16th century to contemporary times. Writing in this course will focus on critical analysis of literature. Summer reading is required.

FOREIGN LANGUAGE COURSE OF STUDIES

The goal of foreign language education is to prepare students to be linguistically and culturally competent in at least one language other than English. To realize this goal, the current courses of study mirror the National Standards for Foreign Language Learning 1996: Communication, Cultures, Connections, Comparisons, and Communities.

405 SPANISH I (2 Semesters)
PREREQUISITE: 'B' average in English during the previous year.
OPEN TO: 9-12
CREDIT: 1
Spanish I is a basic language course. Emphasis is on grammar and vocabulary acquisition. Students will learn to construct basic sentences, answer simple questions, and participate in elementary conversations.

406 SPANISH II (2 Semesters)
PREREQUISITE: Spanish I with "C" average or higher/teacher recommendation
OPEN TO: 10-12
CREDIT: 1
Spanish II is a continuation of Spanish I. Emphasis is placed on grammar, vocabulary and speaking Spanish. Students will continue their studies of sentence structure, participate in conversation and acquiring more grammar structures.

407 SPANISH III (2 Semesters)
PREREQUISITE: Spanish II with "B" average or higher/teacher recommendation
OPEN TO: 11-12
CREDIT: 1
Spanish III is a continuation of Spanish II. It is an advanced Spanish Course. Emphasis is placed on grammar and vocabulary. Students will be required to speak, read, and write in Spanish. Students will perfect their conversational skills and grammar structures.

INDUSTRIAL TECHNOLOGY EDUCATION COURSE OF STUDY

Technology education incorporates modular instruction supported by STEM (Science, Technology Engineering & Math). The goal is to offer students an opportunity to explore career pathways into construction, manufacturing, energy & power. Students participate in a variety of modules related to some of today's most popular career fields. Students also experience many hands on problem solving activities designed to enhance their abilities in critical thinking & collaboration.

531 INTRODUCTION TO ENGINEERING DESIGN (IED) (2 Semesters)
OPEN TO: 9-12
CREDIT: 1
Students use a problem-solving model to improve existing products and invent new ones. They learn how to apply this model to solve problems in and out of the classroom. Using sophisticated three-dimensional modeling software, students communicate the details of the products. Emphasis is placed on analyzing potential solutions and communicating ideas to others.

532 COMPUTER SCIENCE ESSENTIALS (2 Semesters)
OPEN TO: 9-12
CREDIT: 1

Computer Science Essentials exposes students to a diverse set of computational thinking concepts, fundamentals, and tools, allowing them to gain understanding and build confidence. Students use visual, block-based programming and seamlessly transition to text-based programming with languages such as Python® to create apps and develop websites, and learn how to make computers work together to put their design into practice. They apply computational thinking practices, build their vocabulary, and collaborate just as computing professionals do to create products that address topics and problems important to them.

533 INDUSTRIAL TECHNOLOGY I – COMMUNICATION/CONSTRUCTION (1 Semester)
OPEN TO: 9-12
CREDIT: .5
Tech I is an exploration of construction & communication career fields along with problem solving activities & projects. Students will be exposed to the following career areas; residential wiring, residential plumbing, pneumatics, graphic design, solidworks & computer animation. Breakout activities between modules will include-A lesson in listening, spaghetti bridge, paper airplane design & clothespin shuttle.

534 INDUSTRIAL TECHNOLOGY II – MANUFACTURING/ENERGY & POWER (1 Semester)
OPEN TO: 9-12
CREDIT: .5
Tech II is an exploration of manufacturing & energy career fields along with problem solving activities & projects. Students will be exposed to the following career areas; robotics, CNC lathe, rocketry, four stroke engines, research & design & electronics. Breakout activities between modules will include, paper platform, how computers work, popsicle stick bridge, foam glider & air powered car.

535 INDUSTRIAL TECHNOLOGY III – APPLIED LEARNING (1 Semester)
OPEN TO: 9-12
CREDIT: .5
Tech III is a more in depth study into the field of construction, students will learn to interpret architectural/blueprint drawings from plot plans, floor plans, elevations & detailed sections. Students will sketch a set of house plans & then recreate those plans using a CAD program. Students will learn some basic household maintenance skills.

536 INDUSTRIAL TECHNOLOGY IV – APPLIED LEARNING (1 Semester)
OPEN TO: 9-12
CREDIT .5
Tech IV is a more in depth study into the field of manufacturing, students will learn to learn the design aspects of creating a product from thumbnail sketch through finished mechanical drawing as well as a set detailed working drawings-orthographic projection, isometric, section view exploded view. Students will use solidworks to create a product in 3D form & apply mechanical animation to the moving parts.

COMPUTER SCIENCE EDUCATION COURSE OF STUDY

537 COMPUTER LITERACY (1 Semester)
OPEN TO: 10 – 12
CREDIT: .5
This is a general sophomore level class in which we learn how to use Google applications such as Gmail, Google Drive: Docs, Sheets, Slides, Forms, and Google Calendar. In addition to learning how to use these apps we are also learning how to use computers for different areas of learning. Some of the projects we do cover topics in English, math, social studies, and science. In addition to the Google applications, students will leave this class with knowledge of how a computer works as well as the hardware and software that make it work. By the conclusion of this course, students will also have a beginning working knowledge of the JavaScript programming language.

538 TECHNOLOGY PROBLEM SOLVING (ECS) (1 Semester)
PREREQUISITE- Honors Algebra I
OPEN TO: 10 - 12
CREDIT: .5
A semester intro to computer science course that is designed to be inclusive for all learners. Instructional units include: Human Computer Interaction, Problem Solving, Web Design, Introduction to computer programming. The goal of Exploring Computer Science is to develop in students the computational practices of algorithm development, problem solving and programming within the context of problems that are relevant to the lives of today's students.
This is a College Credit Plus course through Southern State and may be taken for college credit.

539 ROBOTICS (1 Semester)
OPEN TO: 10 - 12
CREDIT: .5
This course provides an introduction to robotics for students in grades 10-12 with no programming background using Parallax BOE Bot USB kits. Students will learn to construct, control and program these robots through investigative and exploration activities. Research projects will expose the students to the engineering process.

540 AP COMPUTER SCIENCE PRINCIPLES (2 Semesters)
PREREQUISITE- Honors Algebra II
OPEN TO: 11 - 12
CREDIT: 1
Computer Science Principles is a yearlong **(AP) Advanced Placement** computer science course. This will be a class available to juniors and seniors that have passed Honors Algebra II with at least a B average. This class is designed for the advanced thinker and covers units titled Sending Bits, Algorithms, Programming, Data, Innovation, and Web Apps. In this class there is a project due at the end of every unit that ties in the learning from the unit. The project is developed throughout each unit. I also plan to use this class to solve the High School's technology glitches by forming a "Geek Squad" that will perform IT maintenance and troubleshooting as needed throughout the school year at the High School.

AGRICULTURE EDUCATION COURSE OF STUDY

541 AGRICULTURE, FOOD AND NATURAL RESOURCES/AG-I (2 Semesters)
OPEN TO: 9 – 12
CREDIT: 1.25
This first course in the career field is an introduction to Agricultural and Environmental Systems. Students will be introduced to the scope of the Agricultural and Environmental Systems career field. They will examine principles of food science, natural resource management, animal science & management, plant & horticultural science, power technology and bioscience. Students will examine the FFA organization and Supervised Agricultural Experience programs. Throughout the course, students will develop communication, leadership and business skills essential to the agriculture industry.

542 ANIMAL AND PLANT SCIENCE (2 Semesters)
Open: 11-12 or 9-10 with Ag I as a prerequisite
CREDIT: 1.25
Students will apply knowledge of animal and plant science to the agriculture industry. They will be introduced to the value of production animals relative to the agricultural marketplace. Students will engage in animal classification and selection, body systems, along with animal welfare and behavior in relation to the production of animals. Students will learn principles of plant anatomy and physiology, and the role of nutrition, deficiencies and growing environment on plant production. Throughout the course, business principles and professional skills will be examined.
Counts as Science elective graduation requirement for 2017-2018 (not retroactive).

543 MECHANICAL PRINCIPLES (2 Semesters)
OPEN TO: 10 – 12
CREDIT: 1.25
This introductory level shop class will engage students in the mechanical principles utilized in animal and plant production systems. They will learn electrical theory, design, wiring, hydraulic and pneumatic theory, along with metallurgy in relation to hot and cold metals. Students will apply knowledge of sheet metal fabrication applicable to the agricultural industry along with identify, diagnose, and maintain small air-cooled engines. Throughout the course, students will learn critical components of site and personal safety as well as communication and leadership skills.

544 AGRONOMIC SYSTEMS (2 Semesters)
Open: 10*-12
Credit: 1.25
Students will learn the scientific skills and technology required for meeting the global demand in the production of food and fiber. Topics include crop production and harvesting practices along with identifying plant pests and establishing management procedures. Students will learn plant nutrition, breeding, genetics, and growing practices. In addition, students will learn the importance of soils, water quality, and sustainability. Throughout the course, technological advances through precision agriculture will be applied.
Counts as science elective graduation requirement for 2017-18 & beyond (not retroactive).
Qualifies as college credit at participating institutions with a passing final exam score.

545 ANIMAL ANATOMY AND PHYSIOLOGY (2 Semesters)
Open: 10*-12
Credit: 1.25
Students will examine the structure and function of the major organ systems as well as the function and principle of blood flow in animals. Students will study internal and external anatomical parts, their functions, and will investigate the relationship among these parts and systems within the body of animal. Throughout the course, students will apply the internal functions of anatomical structures to the business and industry principles of the animal industry. Careers in the animal agriculture fields will also be explored.
Counts as science elective graduation requirement for 2017-18 & beyond (not retroactive).

547 LIVESTOCK SELECTION, NUTRITION AND MANAGEMENT (2 Semesters)
OPEN TO: 10* – 12
CREDIT: 1.25
Students will identify and apply principles and routine husbandry practices to production animal populations. Topics will include principles of nutrition, feed utilization, animal welfare, selection and management of facilities and herd populations. Students will apply knowledge of production animal care to enhance animal growth, selection of breeding stock, and management practices. Throughout the course, students will develop management plans reflecting practices for care and legal compliance. Careers in the animal agriculture fields will also be explored.
***Counts as science elective graduation requirement for 2017-18 and beyond (not retroactive).**

548 BUSINESS MANAGEMENT FOR AG AND ENVIRONMENTAL SYSTEMS/AG BUSINESS (2 Semesters)
OPEN TO: 11 – 12
CREDIT: 1.25
Students will examine elements of business, identify organizational structures and apply management skills while developing business plans, financial reports and strategic goals for new ventures or existing businesses. Learners will use marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion and pricing strategies. Throughout the course, students will apply concepts of ethics and professionalism while implications of business regulations will be identified. Careers in the ag-communications and ag-business fields will also be explored.
Qualifies as college credit at participating institutions with a passing final exam score.

555 STRUCTURAL ENGINEERING (2 Semesters)
PREREQUISITE - Mechanical Principles/Teacher recommendation
OPEN TO: 11-12
CREDIT: 1.25
This second of two shop courses builds on skills and techniques developed in Mechanical Principles. Students will be designing, planning and constructing significant projects using wood framing and hot metal practices or other necessary medium. Throughout the course, students will learn critical components of site and personal safety as well as communication and leadership skills. Agricultural and industrial careers will also be explored.

557 FFA Officer Service & Leadership(FLEX CREDIT ONLY)
OPEN TO: Elected Officers
CREDIT: 1.25
Being an officer is not an image of status, it's an obligation to service. Public Law 740 makes FFA an intra-curricular part of agricultural education. This capstone, flex-credit only class is exclusively for chapter officers to receive credit for their hard work and dedication to service in our organization. Individual scores will be earned for growth and completion of service-learning projects and leadership accomplishments. Some officers will be given specific assignments based on the duties of their office.

***=Second year freshmen and third year sophomores as a result of taking Ag I in the eighth grade.**

BHS Ag-Ed Course Rotation				
2019/20	**2020/21**	**2021/22**	**2022/23**	**2023/24**
Agriculture, Food & Natural Resources	Agriculture, Food & Natural Resources	Agriculture, Food & Natural Resources	Agriculture, Food & Natural Resources	Agriculture, Food & Natural Resources
Animal & Plant Science	Animal & Plant Science	Animal & Plant Science	Animal & Plant Science	Animal & Plant Science
Mechanical Principles	Mechanical Principles	Mechanical Principles	Mechanical Principles	Mechanical Principles
Agronomic Systems	Agronomic Systems	Agronomic Systems	Agronomic Systems	Agronomic Systems
Livestock Selection, Nutrition & Management	Livestock Selection, Nutrition & Management	Livestock Selection, Nutrition & Management	Livestock Selection, Nutrition & Management	Livestock Selection, Nutrition & Management
Structural Engineering	Structural Engineering	Structural Engineering	Structural Engineering	Structural Engineering
Ag Business	Ag Business	Ag Business	Ag Business	Ag Business
Animal Anatomy & Physiology	Veterinary Science	Animal Anatomy & Physiology	Veterinary Science	Animal Anatomy & Physiology

Free College Credit

Wilmington College

1. Student must complete four courses in Blanchester High School's Agricultural Education Curriculum with at least a 2.4 GPA.
2. Student must enroll at Wilmington College and complete 16 semester hours of coursework with at least a 2.0 GPA.
3. Wilmington College will award two to four agriculture credits toward their agricultural degree path to the student at no cost.

Ag-Business & Agronomic Systems

The BHS Ag-Ed department qualifies as part of a state-wide articulation through their Ag Business and Agronomic Systems courses. Students can be awarded free college level credit which will be accepted at any Ohio college or university that offers a matching course. Students must pass the course with a "C" average or better, as well as the standardized end of course exam (WebXam).

MATHEMATICS COURSE OF STUDIES

603 ALGEBRA I (2 Semesters)
OPEN TO: 9th graders
CREDIT: 1
This course is the foundation for high school mathematics courses. It is the bridge from the concrete to the abstract study of mathematics. Topics include simplifying expressions, evaluating and solving equations and inequalities, and graphing linear functions. Real world applications are presented within the course content and a function's approach is emphasized.

603H HONORS ALGEBRA I (2 Semesters)
PREREQUISITE: Teacher recommendation from the previous math instructor
OPEN TO: 9th graders
CREDIT: 1
Honors Algebra I includes the introduction of variables, constants, expressions, equations, and functions. The language of numbers is examined. Topics include solving equations, simplifying expressions, understanding order of operations, performing operations with positive and negative numbers, exploring polynomials, factoring, graphing (linear and quadratic equations), working with radicals, and expanding arithmetic knowledge.
Students will be expected to work responsibly regarding attendance, reliability, participation, effort and courtesy. The pace in the class will be accelerated and students will need to work at a steady pace at all times. This class is designed for students who have exceptional study skills and are highly motivated in math.

605 ALGEBRA II (2 Semesters)
PREREQUISITE: Geometry
OPEN TO: 11 - 12
CREDIT: 1
Algebra II studies linear relations and functions, systems of linear equations, matrices, polynomials, roots, quadratic equations and functions, rational polynomial expressions, and exponential functions. This course also covers extensive graphing and their transformations. A calculator is required.

605H HONORS ALGEBRA II (2 Semesters)
PREREQUISITE: Honors Algebra I, Honors Geometry, teacher recommendation
OPEN TO: 10-12
CREDIT: 1
Honors Algebra II is a college preparatory elective with Honors Algebra I as a prerequisite. A strong recommendation by your Honors Algebra I instructor is advisable. Honors Algebra II studies linear relations and functions, systems of linear equations, matrices, polynomials, roots, quadratic equations and functions, conic sections, rational polynomial expressions and exponential functions. Extensive graphing is required as well as calculator applications.

606 GEOMETRY (2 Semesters)
PREREQUISITE: Algebra I
OPEN TO: 10
CREDIT: 1
This course will have students reason through proofs using theorems, postulates, and definitions. Students will solve visual problems, and problems that have real world applications. Algebra is used throughout the course. Some topics covered are: computing various measures of two-dimensional figures, coordinate geometry, logic, and an introduction to trigonometry.

606H HONORS GEOMETRY (2 Semesters)
PREREQUISITE: Honors Algebra I, teacher recommendation
OPEN TO: 9-12
CREDIT: 1
The roots of the word *geometry* mean "to measure the earth," but this course will be more than just measuring things. It will emphasize abstract concepts and logical thinking through inductive and deductive reasoning. Throughout the year, students will explore how lines, planes, polygons, circles, as well as spheres and other three-dimensional figures can be used to represent and solve a variety of abstract and real-world problems. Students will use tools—from the basic, such as straightedges, compasses, and protractors, to the sophisticated, such as The Geometer's Sketchpad—to help solve problems and learn. The skills learned in Honors Algebra I will be revisited, reinforced, and applied throughout the year.

611H ADVANCED MATH (2 Semesters)
PREREQUISITES: Honors Geometry/Honors Algebra I, teacher recommendation
OPEN TO: 11-12
CREDIT: 1
Advanced Math is recommended for the student who may be considering a career in business, health-related fields, engineering, social sciences, computer science, or as a preparation for calculus. The curriculum provides extensive background in plane trigonometry. (Solving right and oblique triangles is studied. Techniques for solving trigonometric equations, graphing of trigonometric functions and their inverses, polar coordinates, and trigonometric proofs are a few of the areas considered.) The second semester continues to provide the student with a background for a technological society. Functions, sequences and series, statistics, probability, matrices, and vectors prepare the student for the real world. Students also will learn the use of the graphing calculator to compare and interpret their data.

614H AP CALCULUS (AB) (2 Semesters)
PREREQUISITE: Advanced Math, teacher recommendation
OPEN TO: 12
CREDIT: 1
AP Calculus (AB) covers differential and integral calculus topics that are typically included in introductory calculus courses at the college level. In order to be successful, students must have a thorough understanding of functions, limits and trigonometry. Students will have the option to take the AP test at the end of the course.

615 SENIOR MATH (2 Semesters)
PREREQUISITE: Algebra II or Higher
OPEN TO: 11-12
CREDIT: 1
This course will have an emphasis on mathematics needed for everyday life. During the first semester this course will cover topics from algebra such as operations with matrices, logarithms, sequences, and series as well as an introduction into probability and statistics. The second semester will be spent participating in a financial literacy program titled "Foundations in Personal Finance". This program will cover everything from simple budgeting to retirement planning.

616H HONORS MATH IV (2 Semesters)
PREREQUISITE: Honors Algebra II (or currently taking) or Algebra II/teacher recommendation.
OPEN TO: 11 - 12
CREDIT: 1
This course will emphasize functions in problem solving, modeling, technology, and applications of mathematics in real world situations. Topics include linear, quadratic, polynomial, rational, radical, exponential, logarithmic, and piecewise functions. The 2nd semester will emphasize the study of trigonometric functions and their applications including circular functions, trig functions and identities, vectors, the complex plane, polar coordinates, conic sections, and the application of each.

SCIENCE COURSE OF STUDIES

703 BIOLOGY (2 Semesters)
OPEN TO: 9 - 11
CREDIT: 1
Biology based on the Ohio Revised Science Content Standards and fulfills the Ohio Core graduation requirement for life science. This course investigates the composition, diversity, complexity and interconnectedness of life on Earth. Fundamental concepts of cells, heredity, evolution and diversity and interdependence of life provide a framework through inquiry-based instruction to explore the living world, the physical environment and the interactions within and between them. Students engage in investigations to understand and explain the behavior of living things in a variety of scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications. Extensive laboratory activities, dissection and research projects will be a part of the course.

703H HONORS BIOLOGY (2 Semesters)
PREREQUISITE: Minimum B in Science 8, Proficient on OAA Science Test and Teacher Recommendation
OPEN TO: 9 - 10
CREDIT: 1
Honors Biology is an advanced, fast-paced course, based on the Ohio Revised Science Content Standards and fulfills the Ohio Core graduation requirement for life science. This course investigates the fundamental concepts of cells, heredity, evolution, and diversity and interdependence of life. In addition, students will build skills that will be helpful in other courses, as well as college; these include time management, critical reading, and study skills. Lab experience is scheduled into the regular class.

704H HONORS ANATOMY AND PHYSIOLOGY (2 Semesters)
PREREQUISITE: Honors Biology and/or teacher recommendation
OPEN TO: 11-12
CREDIT: 1
This class is primarily for the college-bound student. It is especially recommended for anyone interested in any branch of the medical field.
Topics covered will center around the parts and functions of the ten major body systems.
For example, the study of the skeletal system would involve the student being able to name and locate all of the bones of the body, discuss the functions and formation of the skeletal system, identify types of broken bones and other skeletal abnormalities, explain fracture repair, identify parts of a typical bone and list joint types and give examples. Comparative animal dissection will be required.
To take anatomy, a student must have successfully completed honors biology or have been an exceptional student in biology and have either completed honors chemistry or be taking honors chemistry concurrently.

707 CHEMISTRY I (2 Semesters)
PREREQUISITE: Biology
OPEN TO: 10 - 12
CREDIT: 1
A beginning course in the fundamental concepts of chemistry. Some major topics are: properties of matter, states of matter, physical and chemical reactions. This course also includes a unit on physics which covers the topics: forces and motion, energy, and waves. Corresponding lab work will be scheduled into regular class time.

707H HONORS CHEMISTRY I (2 Semesters)
PREREQUISITE: Honors Biology, Honors Algebra, Honors Geometry, and teacher recommendation
OPEN TO: 10 - 12
CREDIT: 1
Honors Chemistry 1 is a beginning course in the fundamentals of chemistry concepts and includes a laboratory experience. In this course students will study the composition and arrangement of matter and how it interacts with energy and other forms of matter. Concepts to be covered include Matter, Data Analysis, Properties and changes in matter, atomic theory and structure, electron configurations, the periodic table including laws and trends, forming and naming compounds, molecular shape and structure, chemical reactions, the mole, stoichiometry, intermolecular forces, and gas laws.

708H HONORS CHEMISTRY II (2 Semesters) (Honors Chemistry II with Dual Enrollment option through Southern State –5 to 8 semester hours of elective college credits)
PREREQUISITE: Honors Chemistry I/teacher recommendation. To enroll in dual credit, students must also meet the prerequisites required by Southern State Community College: Accuplacer Writing score of 5 or above or ACT English score of 18 or above.
OPEN TO: 11-12
CREDIT: 1
A second year of chemistry provides the student with a more in-depth look at the topics covered in Honors Chemistry I as including the topics of solutions, thermodynamics, kinetics, equilibrium, acids and bases, oxidation-reduction reactions, electrochemistry and an introduction to organic chemistry. Laboratory experience accompanies each of these units of study.

709AP A.P. PHYSICS 1 (2 Semesters)
PREREQUISITE: Honors Chemistry I, Advanced Math and teacher recommendation
OPEN TO: 12
CREDIT: 1
AP Physics I is a rigorous, college level course that covers all topics included in the first semester of College Physics including Newton's Laws of Motion, rotational motion, orbits and gravity, equilibrium and elasticity, energy and work, oscillations and waves, electric fields, current, resistance and circuits. Laboratory explorations compose 20% of class time. The course will end with the AP Physics I exam the first week in May**.**

712 ENVIRONMENTAL SCIENCE (2 Semesters)
PREREQUISITE: Biology with teacher recommendation
OPEN TO: 11–12
CREDIT: 1
This course will include: ecosystems and their interactions, renewable and nonrenewable resources, air and water quality, invasive species, threatened/endangered species and environmental laws and regulations. Students will study current environmental issues and learn to form their own educated opinions regarding these issues.

713 HONORS ENVIRONMENTAL SCIENCE (2 Semesters)
PREREQUISITE: Biology with a B average, Honors Chemistry and/or teacher recommendation
OPEN TO: 11–12
CREDIT: 1
Honors Environmental Science is based on the Ohio Revised Science Content Standards and fulfills the Ohio Core graduation requirement. This course moves at a quicker pace, covers more in-depth material, and is more lab based than environmental science. This class is designed for those interested in majoring in science in college or pursuing a career in the science field. It incorporates biology, chemistry and physical geology and introduces students to key concepts, principles and theories within environmental science. Investigations are used to understand and explain the behavior of nature in a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications. Additionally, this course will explore populations and interactions between groups of organisms. A focus will be on the interactions of humans and the global environment. Other topics will include: ecosystems and their interactions, renewable and nonrenewable resources, air and water quality, threatened/endangered species, and environmental laws and regulations. Students will study current environmental issues and learn to form their own educated opinions regarding these issues.

717H HONORS COLLEGE CHEMISTRY (2 Semesters) (Honors College Chemistry with Dual Enrollment through Southern State - 10 semester hours of college level chemistry lecture and lab credit)
PREREQUISITE: Honors Chemistry I or II and teacher recommendation. Students must also meet the prerequisites required by Southern State Community College: Accuplacer Writing score of 5 or above or ACT English score of 18 or above.
OPEN TO: 12
CREDIT: 1
This course is college level chemistry covering measurement, significant figures, moles, chemical formulas, stoichiometry, acids and bases, oxidation-reduction, thermochemistry, quantum mechanics, atomic orbitals, bonding theories, gases, intermolecular forces of attraction and phase changes, solutions and colligative properties, chemical kinetics, chemical equilibrium, acid-base equilibria, thermodynamics, electrochemistry and descriptive chemistry. The student should be able to solve problems pertaining to the subject matter listed and perform laboratory procedures and experiments which support these chemical concepts. This hybrid course will be team-taught by the college professor and high school teacher using lecture, PowerPoint, discussion, homework assignments, computer assignments, quizzes, labs and exams as deemed appropriate by the instructors. The course will meet the Ohio Transfer Assurance Guidelines approved for the Southern State Community College two-semester sequence. Upon successful completion of this course, the student will receive ten semester hours of college level chemistry credit as well as high school chemistry credit.

SOCIAL STUDIES COURSE OF STUDIES

808 GOVERNMENT (2 Semesters)
OPEN TO: 11-12
CREDIT: 1
This covers the foundations of U.S. government including a discussion of the U.S. Constitution, federalism, separations of powers, evolution of U.S. democratic government through history, the influence of multicultural society, U.S. Interactions in a global community, personal and societal economic concepts, the rights and responsibilities of citizens, as well as state and local.

808H AP AMERICAN GOVERNMENT (2 Semesters)
PREREQUISITE: American History/Honors American History and teacher recommendation. To enroll in dual credit, students must also meet the prerequisites required by Southern State Community College.
OPEN TO: 11-12
CREDIT: 1
This course is a survey concerning the fundamental theories of American democracy. The role of government and its relationship with its constituents will be examined at length. Particular attention will be paid to the origin of federalism along with the concepts of civil liberties and civil rights. A strong emphasis will be placed on the various interpretations of the U.S. Constitution throughout the evolution of American political thought as well. In addition, the emergence of the federal bureaucracy as a major player in U.S. public policy concerns will be discussed.
The course will also study the fundamental theories, events and personages of American political thought. Through the lens of politics, policy, diplomacy and war, political change and its repercussions will be examined. The socialization of thought and public opinion via the major two-party political system will be discussed. Interest group theory, along with the rise of the mass media and the role they play in the political system will be topics of study. Besides these issues, the economic policy of the United States will be traced from its Hamiltonian origins to its major transformation during the New Deal era. Lastly, the foreign and defense policy from the inception of the Republic to the present day, with its evolution from a weak de-centralized confederacy to the world's pre-eminent superpower, are to be investigated
This is a dual credit course with the option to obtain college credit by enrolling at Sothern State with no additional course fees.

810 WORLD STUDIES (1750 – PRESENT) (2 Semesters)
OPEN TO: 9
CREDIT: 1
This is a required course for all freshmen. This course covers world history from 1750 (The Enlightenment) to the present. During this course, students will read about the events that have shaped world history and the relationships between peoples and nations from the past to the present. Students will also learn about the world's diverse population, geography, and how different forms of government operate. Finally, students will develop an understanding of how economics, science, technology, culture, and religion continue to affect global relations.

811 AMERICAN HISTORY (2 Semesters)
OPEN TO: 10
CREDIT: 1
This is a required course for all sophomores. This course covers the history of the United States from 1877 (Post Reconstruction) to the present. During this course, students will understand the legacy of the growth the United States experienced from the late 1800's to the present. Students will read about the events that have shaped the nation and how those events continue to influence our lives today. They will also learn about America's diverse population and its geography, as well as how both the U.S. economy and the U.S. government operate. Finally, students will develop an understanding of how they fit into the ongoing story of the United States.

812 PSYCHOLOGY (1 Semester)
OPEN TO: 10-12
CREDIT: .5
Psychology is a study of how and why people behave the way they do as individuals. Psychology will acquaint the student with several areas of human behavior including how one learns, behavior and personality, heredity vs. environment, mental disorders, and social behavior. Class discussion and individual research projects will be emphasized.

813 CURRENT ISSUES IN AMERICAN AND WORLD AFFAIRS (1 Semester)
OPEN TO: 9-12
CREDIT: .5
This class will focus on world and current events to bring relevance to world/American studies, and government. The 21st century will have profound changes in political, economic, and cultural aspects for all Americans. Current Issues is one avenue to better understand how to live and work in a democratic society in an ever increasing global climate.

817 SOCIOLOGY (1 Semester)
OPEN TO: 10-12
CREDIT: .5
The course will acquaint students with several areas of human behavior within a group, including how social norms influence actions, personality development and the importance of and reasons for deviant behavior. Students should be prepared to engage in class discussions and participate in several sociological projects and behavioral studies. This is an elective course.

818H AP AMERICAN HISTORY (2 Semesters)
PREREQUISITE: B or better in world studies. Also, due to the intense writing component of this course, any Freshman or Sophomore wanting to enroll must have a B average in Honors English 9 or 10. It also recommended that any Junior wishing to enroll in this course will have completed Honors English 11/Comp 1 with at least a C average. Teacher Recommendation, and a minimum cumulative 3.0 GPA. To enroll in dual credit, students must also meet the prerequisites required by Southern State Community College.
OPEN TO: 10 – 12
CREDIT: 1
This course is a combination of American History I and II.
American History I
This course is a survey of the United States from the pre-Columbian period to 1877. The course will introduce students to the major political, social, economic, religious, cultural, intellectual and technological developments in American history through reconstruction and the post-Civil War era. Topics will include, but are not limited to; pre-Columbian civilization, European exploration and conquest of the New World, development of European colonies, the colonial era, the American Revolution, the Constitution, economic changes, early industrialization and the formation of political parties. The institution of slavery will be closely examined as will the concept of Manifest Destiny and the demise of Native American tribal life. The significant causes and events leading to the American Civil War will be discussed as will the military history of the war and reconstruction. The administrations of Jefferson, Jackson, Polk and Lincoln will also be examined in detail.
American History II
This course is a survey of the history of the United States from 1877 to the present day. The course will introduce students to the major political, social, economic, religious, cultural, intellectual and technological developments in American history from the end of reconstruction to the post-modern era. Topics will include, but are not limited to; Gilded Age politics, late 19th and 20th century industrialization, economic changes, immigration, Progressivism, American Imperialism, World War one, cultural changes in the 1920's and The Great Depression. The latter portion of the semester will focus on the events leading to World War II, the military history of the war, the Cold War, the Civil Rights Movement, social change in the 1950's and 1960's, the Vietnam War, and the post–Cold War era up to the presidential election of 2008.
This is a College Credit Plus course through Southern State and may be taken for college credit.

PHYSICAL EDUCATION AND HEALTH DEPARTMENT
COURSE OF STUDY

HEALTH

VLA HEALTH (1 Semester)
OPEN TO: 8-12
CREDIT: .5
This course is required for graduation. This is a online health course. Health is concerned with providing each student with a basic knowledge of the functioning of his/her own body and mind. Emphasis will be put on the formation of personal habits which will enable the student to lead a healthier life, both physically and mentally. Other topics to be discussed will be family living; drug abuse, including alcoholism; first aid; nutrition, stress management and mental health. Offered both first and second semesters.

PHYSICAL EDUCATION*

This comprehensive subject area will incorporate physical, mental, and social development in the areas of fitness, leisure sports, and game skills. Students will become knowledgeable participants as well as spectators by learning rules, strategies, skills, and proper sportsmanship. They will learn healthy leisure activities that can be utilized throughout their lives.

953 WEIGHT LIFTING AND PHYSICAL FITNESS (1 Semester)
OPEN TO: 9-12
CREDIT: .25
This course is intended to provide students an opportunity to improve themselves physically. The student will be encouraged to make important decisions about her/his personal exercise program and to develop a healthy lifestyle for now and in the future. This course will include instruction on exercise programs, aerobic, and anaerobic needs, flexibility, hypokinetic diseases, and cardiovascular fitness. The student will be expected to exhibit a strong desire to improve his/her physical self and to participate in daily fitness-related activities.

956 TOTAL BODY FITNESS (1 Semester)
OPEN TO: 9-12
CREDIT: .25
This is a fitness based class. The goal of the class is to help participants achieve and maintain a healthy weight through weightlifting, aerobics, plyometrics, and distance running. Within the fitness element of the class there will be activities allowing students to utilize their new-found skills and levels of fitness they have achieved throughout the course.

958 PHYSICAL EDUCATION (1 Semester)
OPEN TO: 9-12
CREDIT: .25
This introduction to physical education will incorporate physical, mental and social development in the area of fitness, leisure sports, and game skills. Students will improve their level of fitness and learn leadership traits while participating in physical activities. The course will offer students a chance to express themselves outside of the academic classroom setting while at the same time challenge them in different areas of physical fitness. They will also learn about various recreational activities available upon completion of high school.

***A PE Waiver is available once a student successfully completes two full seasons of an approved interscholastic sport/cheerleading/band activity, and by doing so they are exempt from the physical education requirement.**