

# 2018-19

## Southview High School Program of Studies



A planning guide for junior high and  
high school students and their parents.



# SYLVANIA SOUTHVIEW HIGH SCHOOL



[www.sylvaniasouthview.org](http://www.sylvaniasouthview.org)



# Sylvania Southview High School

7225 Sylvania Ave.  
Sylvania, Ohio 43560  
[www.sylvaniasouthview.org](http://www.sylvaniasouthview.org)

## Administration 419-824-8580

Kasey Vens	Principal
Alex Clarkson	Assistant Principal Teaching & Learning
Stan Joplin	Assistant Principal Student Services
James Huss	Athletic Director

## Guidance 419-824-8737

Michelle Peer	School Counselor
Tony Geha	School Counselor
Jodi Hess	School Counselor
Teresa Ontko	School Counselor

### High School Mission Statement

*The mission of Southview High School is to  
promote a challenging curriculum within  
a secure learning environment through which  
we prepare our students for responsible  
citizenship, lifelong success, and productive  
employment in a global community.*

# Sylvania Schools

4747 N. Holland-Sylvania Rd.  
Sylvania, Ohio 43560

## Superintendent's Office 419-824-8500

Adam Fineske	Superintendent
Lisa Shanks	Treasurer
Keith Limes	Asst. Superintendant of Operations
Tim Zieroff	Asst. Super. of Academic Affairs
Sheryl O'Shea	Dir. of Information Technology
Julie Sanford	Director of Teaching and Learning

## Board of Education

Julie Hoffman	President
Vicki Donovan-Lyle	Vice President
Jim Nusbaum	
Stephen Rothschild	
Shannon Szyperski	

### School District Vision Statement

*To be an exceptional public school  
district that teaches and inspires  
students to contribute to society in  
meaningful and compassionate ways.*

### Mission

*To prepare students to be life-long  
learners and engaged citizens.*

**Southview High School**

Kasey Vens, Principal

**Assistant Principals**

Alexander Clarkson

Stan Joplin

**Athletic Director**

James Huss

Dear Students and Parents:

We are excited about the menu of course options that will be available at Southview for the 2018-2019 school year. If this is your first time reading the program of studies, then I encourage you to take note of its organization. At the front of the book, you will find valuable information about important topics such as graduation, athletic eligibility, and honor roll, as well as pages devoted to typical course loads for students interested in various career pathways. The back half of the book consists of descriptions of both required and elective courses organized by grade level and department. The descriptions outline expectations, pre-requisites, and fees associated with particular courses. If you are familiar with the layout of the program of studies, I want to draw your attention to a few new course offerings. *Art Appreciation* will replace *Art for Millennials* in the fine arts department. *Engineering Technology* will be modified to include courses on *Plan Reading* and *Welding Technology*. *AP Research* will be offered as a continuation of the *AP Seminar* course, which began in 2017-2018. Continuing the trend of offering an honors option for courses, *Anatomy and Physiology* will now be available for honors credit. Finally, for the first time in years, Southview will be offering a *Test Preparation* course designed to improve student readiness for the OST, PSAT, ACT, SAT, and AP tests.

Students will have three options for earning college credit before leaving Southview. In our continuing efforts as an elite college preparatory high school, we will be offering 20 different AP classes this upcoming school year. If you are interested in a four-year college or university after graduation, we encourage you to explore the option of taking at least one AP course while you are here. Secondly, dual enrollment options are available for a wide variety of career tech programs and a small number of academic courses. These courses allow you to take a course at Southview while simultaneously earning college credit. Finally, the *College Credit Plus* program allows students to take college courses while they are still in high school.

Students, as you become engrossed in the process of course selection, we hope the program of studies will help to answer some of your questions and to serve as a starting point for exploring your interests. You should not hesitate to contact your counselor or a principal if you have any questions. Please discuss possible options with your parents and other adults in your life. We want you to enjoy a rich high school experience that will prepare you to meet the goals you have for the rest of your life after graduation.

Sincerely,



Kasey Vens, Principal

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# *General Information*

# **2018-2019**



## **STATEMENT OF COMPLIANCE WITH FEDERAL LAWS**

The Sylvania Schools District complies with federal laws to prohibit discrimination in programs and activities receiving federal assistance.

Title VI of the Civil Rights Act of 1964 prohibits discrimination on the basis of race, color, or national origin.

Section 504 of the Rehabilitation Act of 1973 prohibits discrimination on the basis of an individual's disability.

Title IX of the Education Amendments of 1972 prohibits discrimination on the basis of sex.

The Age Discrimination Act of 1975 prohibits discrimination on the basis of age.

The Sylvania Schools District also complies with the Family Education Rights and Privacy Act of 1974, which grants to parents/guardians the rights to examine their children's official school records.

The Sylvania Schools District does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs and activities and provides equal access to the Boy Scouts and other designated youth groups.

# NOTICE TO STUDENTS

The Board of Education is committed to equal opportunity in education and employment.

Qualified students shall not be denied admission to the public schools, or to a particular course or otherwise discriminated against on the basis of race, color, national origin, sex, or disability, or any other basis of unlawful discrimination.

To carry out these policies, the following individuals have been designated to coordinate compliance within designated areas. Questions, requests for information or complaints should be directed to the appropriate office or person listed below:

## **System Wide Compliance Coordinator**

Mr. Keith Limes  
Bradley J. Rieger Building  
4747 N.Holland-Sylvania Rd.  
Phone: (419) 824-8531

### **Title VI Compliance Coordinator** (Non-discrimination on basis of race, color, national origin)

Contact: Ms. Rose Gaiffe  
Bradley J. Rieger Building  
4747 N.Holland-Sylvania Rd.  
Phone: (419) 824-8594

### **Americans with Disabilities Act and Section 504 Coordinator** (Non-discrimination on basis of disability)

Contact: Ms. Rose Gaiffe  
Bradley J. Rieger Building  
4747 N.Holland-Sylvania Rd.  
Phone: (419) 824-8594

### **Career Technical Education Compliance Coordinator**

Contact: Ms. Julie Sanford  
Bradley J. Rieger Building  
4747 N.Holland-Sylvania Rd.  
Phone: (419) 824-8578

### **Title IX Compliance Coordinator** (Non-discrimination on basis of gender)

Contact: Mr. Robert Verhelst  
Bradley J. Rieger Building  
4747 N.Holland-Sylvania Rd.  
Phone: (419) 824-8583

# Guidance and Counseling Services

Each student at Sylvania Southview High School is assigned a counselor. The Guidance Office telephone number is 419-824-8737. Counselor assignments are alphabetical:

Ms. Michelle Peer .....	<b>A - Fe</b>	MPeer@sylvaniaschools.org
Mr. Tony Geha .....	<b>Fi - Le</b>	TGeha@sylvaniaschools.org
Ms. Jodi Hess .....	<b>Li - Ro</b>	JHess@sylvaniaschools.org
Ms. Teresa Ontko .....	<b>Ru - Z</b>	TOntko@sylvaniaschools.org

Students are encouraged to visit the guidance office to see their counselors. Parents are welcome to phone for an appointment with their student's counselor. Additional information is available to parents and students through the school newsletter, *Southview Scene*, as well as on the Southview Guidance tab on the Southview website.

You can also check information on the Southview Counselors' Facebook page: Southview High School Counselors.

Some areas in which counselors may be of help:

## **The Student and High School**

Course selection and scheduling  
Coping with the demands of high school  
Opportunities for involvement in school and community life  
Administration and interpretation of standardized tests

## **The Student as a Person**

Understanding oneself — one's strengths and limitations  
Discussion of personal concerns, friends, relationships to others  
Family situations which affect school performance  
Referral to school and community resources for psychological or psychiatric help, family counseling, medical needs

## **The Student and Their Future**

Career opportunities for post-high school education, colleges, and technical schools  
Applications to colleges and technical schools.

## STUDENT GUIDE TO SUCCESS

### PARENTS:

1. Know your child's schedule and teachers.
2. Keep in contact with school - be visible.
3. Attend as many functions as possible.
4. Remain an active part of child's education.
5. Contact counselors for updated information.
6. Use PowerSchool Account.

### STUDENTS:

1. Keep all work up until exams.
2. Develop an organizational system.
3. Use your agenda book daily.
4. Utilize the extra help programs; math tutoring, guided study hall, and after school intervention.
5. Keep in touch with your teachers - know how and when to talk to them.
6. Check the guidance website.
7. Use PowerSchool Account.



# GRADUATION PARTICIPATION REQUIREMENTS

Graduation participation will be based on Sylvania City School District Board of Education policy. Beginning with the class of 2018, students must pass the Ohio Core Curriculum, participate in all Ohio State Tests (OST), and meet an approved pathway to graduation defined by the Ohio Department of Education. Link to the requirements <http://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements>.

All students must participate in commencement practice in order to participate in commencement.

## EARLY COMPLETION (GRADUATION)

Students may be eligible for early completion. A student desiring to complete his/her credits before the spring of their senior year must meet with their counselor to discuss if this is a possibility. If the student has all the pre-requisites that are needed, the next step would be for the student/parent to make an appointment with the principal and counselor by the 5th day of the start of the senior year to ensure correct scheduling.

Seniors who graduate early are **not** eligible to participate in extracurricular activities during the second semester. However, sport seasons that overlap the time of early graduation may be completed. January graduates are eligible to participate in the June graduation ceremony.

## STUDENT RECOGNITION (GRADUATION)

**For the graduating classes of 2018 and beyond:**

The class ranks of students will be calculated and reported consistent with board policies and guidelines, but will not be published.

Honor	G.P.A.
Cum Laude	3.5 – 3.749
Magna Cum Laude	3.75 – 3.999
Summa Cum Laude	4.0 and above

Students will be recognized at graduation according to the honors listed above.

## OHIO COLLEGE ENTRANCE RECOMMENDATIONS

- 4 credits of English
- 3 credits of Social Studies
- 4 credits of Science
- 4 credits of Mathematics
- 2 or 3 credits of World Language
- 1 credit of Fine Arts

# Checklist for College Planning

WHEN TO BEGIN	WHAT TO DO	HOW TO DO IT
Freshman and sophomore years	<b>Become familiar with college entrance requirements and continue career exploration activities.</b> Which courses in your high school curriculum satisfy college requirements? Do you have a plan for extracurricular involvement?	Work with parents, teachers, and counselors to create a four-year high school curriculum plan to satisfy your goals. Try job shadowing. Get involved at school and in your community.
September - March of junior year	<b>Think about your reasons for going to college.</b> What are your goals? What learning opportunities are most important? Do your college plans include career plans?	Talk with your parents, counselors, teachers, and friends. Investigate possible career options and degree level required.
January - March of junior year	<b>Identify important factors in choosing a college.</b> Two-year or four-year? Locations? Cost? Kind of atmosphere? Variety of study programs available? Entrance test requirement?	Focus on your goals and interests. Consult college guidebooks. Explore colleges on the Internet. Prepare for your college admission test.
March - August of junior year	<b>List colleges you are considering and collect information.</b> Have you included all possible choices? What information do you need? How can you get it?	Attend college fairs and college night programs. Prepare for and visit colleges. Take appropriate college admission test.
June - December of senior year	<b>Compare the colleges on your list.</b> Have you weighed pros and cons carefully? Which colleges will meet your needs?	Continue visiting colleges. Organize information into detailed, useful comparisons.
August - December of senior year	<b>Apply to your “choice” colleges.</b> Do you have all the necessary forms? Are you sure of the application deadlines?	Continue visiting colleges. Organize information into detailed, useful comparisons.
October - February of senior year	<b>Apply for financial aid.</b> Have you investigated all possible sources of aid? When should you apply?	Consult financial aid office. Secure forms and note deadlines. Complete the FAFSA after October 1.
November - May of senior year	<b>Make some final decisions.</b> What additional preparation might be helpful? Should you consider summer school? Do you feel comfortable with your final choice?	Confer with parents and counselors. Confirm your decision, and decline other admission offers. Show initiative.

# CRITERIA FOR DIPLOMA WITH HONORS

New Diploma with Honors criteria will be effective for the class of 2021 and beyond. These criteria may be used by graduating classes of 2017-2020 as well. Please see your counselor for a copy of the new criteria.

Criterion	Ohio Diploma	Academic Honors Diploma	Career Tech Honors Diploma	STEM Honors Diploma	Arts Honors Diploma (Includes dance, drama/theatre, music, and visual art)	Social Science & Civic Engagement Honors Diploma
<b>Math</b>	4 units, must include one unit of algebra II or equivalent	4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content	4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content	5 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content <sup>4</sup>	4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content	4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content
<b>Science</b>	3 units	4 units, including two units of advanced science <sup>2</sup>	4 units, including two units of advanced science <sup>2</sup>	5 units, including two units of advanced science <sup>2</sup>	3 units, including one unit of advanced science <sup>2</sup>	3 units, including one unit of advanced science <sup>2</sup>
<b>Social Studies</b>	3 units	4 units	4 units	3 units	3 units	5 units
<b>World Languages</b>	N/A	3 units of one world language, or no less than 2 units of each of two world languages studied	2 units of one world language studied	3 units of one world language, or no less than 2 units of each of two world languages studied	3 units of one world language, or no less than 2 units of each of two world languages studied	3 units of one world language, or no less than 2 units of each of two world languages studied
<b>Fine Arts</b>	2 Semesters	1 unit	N/A	1 unit	4 units	1 unit
<b>Electives</b>	5 units	N/A	4 units of Career-Technical minimum <sup>3</sup>	2 units with a focus in STEM courses	2 units with a focus in fine arts course work	3 units with a focus in social sciences and/or civics
<b>GPA</b>	N/A	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale
<b>ACT/SAT/WorkKeys<sup>1</sup></b>	N/A	27 ACT/1280 SAT <sup>8</sup>	27 ACT/1280 SAT <sup>8</sup> /WorkKeys (6 Reading for Information & 6 Applied Mathematics) <sup>7</sup>	27 ACT/1280 SAT <sup>8</sup>	27 ACT/1280 SAT <sup>8</sup>	27 ACT/1280 SAT <sup>8</sup>
<b>Field Experience</b>	N/A	N/A	Complete a field experience and document the experience in a portfolio specific to the student's area of focus <sup>5</sup>	Complete a field experience and document the experience in a portfolio specific to the student's area of focus <sup>5</sup>	Complete a field experience and document the experience in a portfolio specific to the student's area of focus <sup>5</sup>	Complete a field experience and document the experience in a portfolio specific to the student's area of focus <sup>5</sup>
<b>Portfolio</b>	N/A	N/A	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts <sup>6</sup>	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 <sup>6</sup>	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 <sup>6</sup>	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 <sup>6</sup>
<b>Additional Assessments</b>	N/A	N/A	Earn an industry-recognized credential or achieve proficiency benchmark for appropriate Ohio Career-Technical Competency Assessment or equivalent	N/A	N/A	N/A

½ unit physical education  
½ unit health

½ unit in American history  
½ unit in government

**\*\*Advanced science refers to courses in the Ohio Core that are inquiry-based with laboratory experiences and align with the 11/12th grade standards (or above) or with an AP science course, or with the new high school syllabi, or with an entry-level college course (clearly preparing students for a college freshman-level science class, such as anatomy, botany, or astronomy), or contain material above the current OST level.**

## **PRESIDENTIAL ACADEMIC FITNESS AWARD**

Granted for excellence based on:

1. overall point average (3.5 on a 4 point scale)
2. outstanding scores on the SAT or ACT (80% percentile)
3. earn an average score of 4 or higher on all of the EOC exams.

## **OHIO MEANS JOBS READINESS SEAL**

Ohio high school students now can earn recognition by showing they are prepared to contribute to the workplace and their communities. The OhioMeansJobs-Readiness Seal is a formal designation students can earn on their high school diplomas and transcripts indicating they have the personal strengths, strong work ethic and professional experience that businesses need. For more information visit the Ohio Department of Education website: <http://education.ohio.gov/Topics/New-Skills-for-Youth/SuccessBound/OhioMeansJobs-Readiness-Seal> or talk with your school counselor.

## **OHIO SEAL OF BILITERACY**

A Seal of Biliteracy recognizes graduating seniors who can demonstrate high levels of proficiency in English and at least one other language. A school or district gives this award by following state-established guidelines. For more information visit the Ohio Department of Education website :<http://education.ohio.gov/Topics/Learning-in-Ohio/Foreign-Language/Ohio-Seal-of-Biliteracy> or talk with your school counselor.



# NCAA ELIGIBILITY

<http://www.ncaa.org/student-athletes/future>

Students who wish to participate in College Division I or Division II sports must now be certified by the National Collegiate Athletic Association (NCAA). Eligibility requirements are subject to change; therefore, students should begin this process early in their junior year with their counselors.

The NCAA has approved the following courses for use in establishing the initial-eligibility certification status of student athletes from Southview High School:

## **English**

English 9  
English 9/H  
English 10  
English 10/H  
American Literature  
English Comp/Literature/AP  
Senior Humanities  
Creative Focus  
College and Career English  
Public Speaking  
AP Language and Composition  
AP Literature and Composition  
Oral Communications I  
Oral Communications II  
Junior Humanities

## **Social Science**

American Government  
American Government/AP  
American History  
AP European History  
AP World History  
US History/AP  
Economics  
Psychology  
Psychology/AP  
Sociology  
World Studies  
World Studies/Honors  
World War II  
AP European Studies

## **Mathematics**

Algebra I  
Algebra II  
Algebra II/H  
Algebra I 2B (1cr/year max)  
Calculus  
Calculus/H  
Calculus AB/AP, BC/AP  
College Prep Math  
Geometry I 2B (1cr/year max)  
Modern Geometry  
Modern Geometry/H  
Pre-Calculus  
Pre-Calculus/H  
Statistics /AP  
Calculus BC/AP  
College Prep Math

## **Additional Core Courses**

Chinese I  
Chinese II  
French I  
French II  
Honors French III  
Honors French IV  
French Language/AP  
German I  
German II  
Honors German III  
Honors German IV  
Spanish I  
Spanish II  
Honors Spanish III  
Honors Spanish IV  
Spanish Language/AP

## **Natural/Physical Science**

Anatomy  
Honors Anatomy  
Anatomy & Physiology  
Astronomy I  
Astronomy II  
Biology  
BiologyAP  
Chemistry  
ChemistryAP  
Bio-Chem (SV)  
Environmental Science I  
Environmental Science II  
Forensic Science  
Conceptual Physics  
Physics I  
Honors Physics  
Physics B/AP  
Research Methods in Science IV  
AP Seminar  
AP Research  
Physical Science 9  
Physical Science 9 H

Actual registration can also be completed online with Internet access. Students should take the ACT test or the SAT test (or both) beginning their junior year. These scores plus the grade point average (GPA) will be used by the NCAA clearinghouse to determine eligibility to participate in college sports at the Division I and Division II levels.

***More information and registration forms are available through [www.ncaaclearinghouse.net](http://www.ncaaclearinghouse.net)***

# Special Programs

## ADVANCED PLACEMENT COURSES

Sylvania offers Advanced Placement (AP) courses in English, Mathematics, Social Studies, World Languages and Science. These courses provide an opportunity for students to enroll in college-level courses while still in high school. AP classes are rigorous, demanding, challenging in-depth approaches to the subject matter. They prepare students for college level work.

### The following are the AP course offerings:

United States History	Physics 1	English Language and Composition	Music Theory (NV)
Statistics	Calculus AB	English Literature & Composition	Computer Science A
Biology	Calculus BC	United States Government	Computer Science Principles
Environmental Science	French Language	and Politics	Art History
Chemistry	Spanish Language	Psychology	World History (NV)
			AP Seminar
			AP Research
			European History (SV)

*(Prerequisites for AP courses are listed in the course description.)*

**AP Course offerings are subject to change according to the AP Audit process conducted by the College Board**

**AP or Honors changes** - A teacher/parent conference is recommended before changes are made to a student's schedule.

### Selection Criteria

The measures listed below are required for admission to an AP course. The first item (teacher or department recommendation) is mandatory. One or more of the other six measures must be met depending on the individual course.

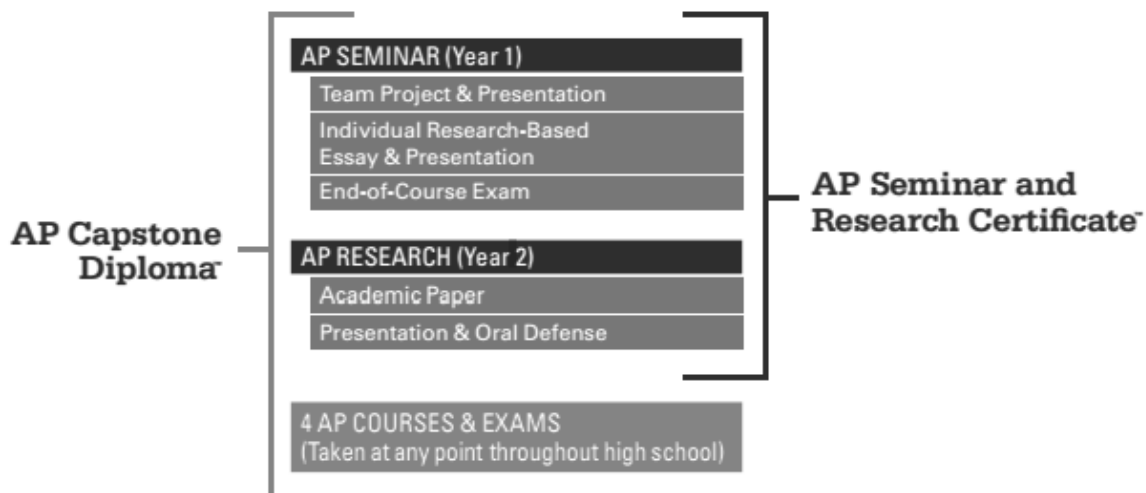
1. Teacher or department recommendation
2. Scholastic achievement
3. Counselor recommendation
4. Interview
5. Essay
6. Standardized test results
7. Required prerequisite courses

### AP Capstone Program

The College Board's AP Capstone is an innovative college-level program based on two new courses - AP Seminar and AP Research - that complement and enhance discipline-specific AP courses.

The program provides students with an opportunity to engage in challenging scholarly practice of the core academic skills necessary for successful college completion. The ability to think independently, write effectively, research, collaborate, and learn across disciplines is essential for success in college, career, and beyond.

Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing will receive the AP Capstone Diploma. This signifies their outstanding academic achievement and attainment of college-level academic and research skills. Students who earn scores of 3 or higher in both AP Seminar and AP Research but not on four additional AP Exams will receive the AP Seminar and Research Certificate.



### AP Examinations

AP courses also prepare students to take the AP Exams. Depending upon performance on these tests and the policies of the college they attend, students can earn college credit. Students enrolled in AP classes should consider taking the AP Exam.

Students who cannot afford to pay the AP Exam fee may be eligible to receive financial help. A request for financial aid must be filed with the Assistant Principal for Teaching and Learning by October 1 of each year.

### AP Grading Procedure

A weighted grading scale is in use for Honors and AP courses (Refer to grading scale, p. 16). Students who earn a grade of D at the end of the first 9 weeks in an AP course are encouraged to have a conference with the teacher, the student's counselor, and the parent. Existing procedures for dropping or transferring from a course will be used.

### Special AP Fee

Please note there is an annual fee of \$10 for enrolling in any AP course. The fee is \$10 each year the student enrolls in an AP class, regardless of the number of AP courses taken that year. This fee covers the cost of access to online review materials to help students prepare for exams.

## PROGRAMS FOR ACCELERATED STUDENTS

### HONORS COURSES

Eligibility for Honors Courses is based upon:

1. Teacher recommendation
2. Student achievement in subject matter

#### Honors Courses offered:

#### English

English 9 & 10

#### Science

Physical Science

Biology

Chemistry

Anatomy

Science Research Iv

Physics (SV)

#### Social Studies

World History

#### World Language

Spanish III

Spanish IV

French III

French IV

German III

German IV

#### Art

Senior Studio 2D Design

Senior Studio 3D Design

#### Math

Modern Geometry

Algebra II

Pre-calculus

Calculus

#### Communication

Journalism

Yearbook

Drama

Theatre Workshop

Public Speaking

#### Music

Band/Orchestra/Choir

#### Career Tech

Business Technology

Computer Programming

Education and Training

Engineering Tech Prep

Financial Management

Information Technology

Medical Technology

Visual Communications Design

## *Special Information*

### RECOMMENDATIONS

Teacher recommendations are made early in the school year, yet teachers have the opportunity to re-evaluate/change their decision as the year progresses. If the student's grade drops or a change in student performance occurs, the teacher can opt to change the recommendation. If that occurs, the student and parent will be notified by the child's counselor. If a parent/student disputes the change, he or she must contact the counselor to resolve the conflict.

### ATHLETIC ELIGIBILITY

Eligibility shall be determined on a quarter by quarter basis. The required 1.5 grade point average shall be cumulative of all courses taken the previous quarter. Student participants in athletics must meet OHSAA standards which is equivalent to **5 units of credit** the previous quarter and the Sylvania policy standard which is the 1.5 grade point average the previous quarter.

No player may transfer from one sport to another after the first scheduled contest. If a player quits, or is removed from a team, he/she may not join another sport or participate in any preseason conditioning, open gyms, open skates, etc., until the season which they are no longer participating in is completed.

## INCOMPLETE GRADES “I”

Students who receive an “I” for incomplete must make arrangements to make up the work within two (2) weeks of the end of the quarter or the grade will become an “F.” Exceptions to this must be approved by the principal.

## HONOR ROLL

Outstanding academic achievement is recognized by the Honor Rolls, compiled and published at the end of each nine week grading period. A student must take five courses to be considered for the honor roll.

Highest Honor	4.0 or better
Honor Roll	3.5 - 3.99
Merit Roll	3.0 - 3.499

## REPEATING COURSES

Required courses that are failed should be taken in summer school or through Sylvania GradPoint when possible. Failure to make up a course in the summer may ultimately delay graduation. Students must consult with their counselor to develop a credit recovery plan. Students who hire a private tutor to repeat coursework must have assistant principal of teaching and learning approval, sign a contract, and meet state guidelines. The student must take a department exam to earn course credit. The student should see a counselor BEFORE he or she considers this option. Grades from alternative learning opportunities (e.g. GradPoint) will be averaged with other grades. If any course is repeated via traditional delivery method, the higher grade will be counted in the GPA. The class being repeated must be the same class as originally taken. Courses taken during the summer must be completed prior to the start of the next school year.

## SEMESTER EXAMS

Semester exams are given at the end of the second and fourth grading periods. Please review the following guidelines:

- A. A student who receives two “F’s” in a semester will fail the semester regardless of the final average. A DNA (Did Not Attempt) is considered a 0% “F.”
- B. Senior Exam Policy: All seniors must take semester and final examinations. See the Student Handbook for any exemptions.
- C. New students attending Sylvania high schools less than nine weeks of a semester will not be required to take semester examinations.

## OPEN ENROLLMENT POLICY

Open enrollment for secondary schools begins the **first day school is in session in November through the last school day before the Winter Break of the current year.** Applications can be obtained through Student Services located on the first floor in the Administration Building between the hours of 7:30 am - 4:00 pm, Monday - Friday. Approval is contingent upon space availability in the school of your choice. A copy of the open enrollment policy will be provided with all applications.

## COLLEGE CREDIT PLUS

Eligible students can take a course and earn high school and college credit that appears on both the high school and college transcripts.

There is no cost for the student to participate in College Credit Plus when the student is enrolled in a public college or university. Students choosing to enroll in a participating private college or university might incur costs.

With both programs, there are several conditions that must be met. Students interested in participating in College Credit Plus must see their school counselor for full details. **Prior to the deadline, a required informational meeting will be scheduled to outline the details of this program. All interested students and parents must attend.**

For more information visit sylvania <http://www.sylvaniaschools.org/HighSchoolCurriculumAlternatives.aspx>

## CREDIT FLEXIBILITY

Students will have an opportunity to earn credits through the district's Credit Flexibility Plan. Please visit the district website at <http://www.sylvaniaschools.org/CreditFlex.aspx> to view and download the Sylvania Credit Flex Plan.



# GRADING SCALE

The grade card contains the following information each semester:

1. A letter grade for the first and second nine-week periods.
2. A letter grade for the exam.

Each reporting period is 40% of the semester average while the exam equals 20%. The final percentage determines the letter grade that is listed on the transcript.

The semester grade is determined by multiplying the 1<sup>st</sup> marking period grade by two as shown in the chart below. The 2<sup>nd</sup> marking period grade is also multiplied by two. Finally, the exam grade is added to the sum of both marking periods and divided by five.

Example:

1 <sup>st</sup> Quarter Grade	2 <sup>nd</sup> Quarter Grade	1 <sup>st</sup> Semester Exam
99/A+	91/A-	91/A-

$$A+ \text{ A- A-} = (99 \times 2) + (91 \times 2) + 91 = 471/5 = 94.2 = A$$

A minimum total of 298 is necessary to receive a passing grade for the semester.

Grading Scale & Conversion Chart

Grade	Grade Range	Conversion Equivalent	Honors Conversion Equivalent	Advanced Placement Conversion Equivalent
A+	98-100	4.0	4.5	5.0
A	93-97	4.0	4.5	5.0
A-	90-92	3.7	4.2	4.7
B+	87-89	3.3	3.8	4.3
B	83-86	3.0	3.5	4.0
B-	80-82	2.7	3.2	3.7
C+	77-79	2.3	2.8	3.3
C	73-76	2.0	2.5	3.0
C-	70-72	1.7	2.2	2.7
D+	67-69	1.3	1.3	1.3
D/P	60-66	1.0	1.0	1.0
F	50-59	0	0	0
DNA	Did Not Attempt	0	0	0

- The top of the grading scale is capped at 100 while the bottom is set at 50.
- For honors classes, a student earning the grade of A+ through C- will receive an additional .5 on the semester average GPA.
- For Advanced Placement (AP) classes, a student earning the grade of A+ through C- will receive an additional 1.0 on the semester average GPA.
- A student earning any combination of two F's in one semester automatically fails the course.
- A student may receive a grade of "P" if in the teacher's judgment the effort is commensurate with a passing grade.
- "I" is an incomplete. An "I" must be removed within ten school days or it becomes an "F" unless the administration grants an extension.
- "W" is a withdrawal from the course.
- "DNA" (Did Not Attempt) is a designation used for students who do not attempt an exam. The DNA value is zero. DNA designation may include by not be limited to: Non-attendance, attendance but not attempted, answers minimal questions, answers are random and indicates student had not read the questions, and final score is extremely low and does not show work if required.

# *Career Technical Education*

## **PROGRAM INFORMATION**

### ***PLAN NOW FOR YOUR LIFE AFTER HIGH SCHOOL***

Career Technical Education programs will provide all students with the knowledge, skills, and attitudes essential to meet a lifetime of career challenges in a competitive global society by recognizing and drawing upon the strengths and interests of each student. Programs offered respond to the needs of a fast changing global workforce and economy. The Career Technical Education programs provide career related experiences, advanced college placement and/or credits, and licensure/certification opportunities. Career Technical Education is the place where your career begins. The programs stress the importance and need of strong academic knowledge and skills along with the high school to postsecondary transitions. Career Technical Education brings education to life using problem-based and inquiry based curriculum. The classes provide a seamless pathway for students to easily advance to postsecondary education or the workforce.

Career Technical Education provides:

- A way to combine academic and career technical courses to achieve a first-class education
- Hands-on experiences that can unlock many new options
- Employability skills, from job-related skills to workplace ethics
- Career pathways that link secondary and postsecondary education
- Advanced credit and articulated credit options
- A way to explore a field that interests you
- A skill that can help you pay for your education
- Industry credentials and access to and enhanced eligibility for scholarships upon completion of Career Technical programs
- Opportunities for internships, job shadowing, clinicals and early placements
- A curriculum driven by business and industry partnerships

Career Technical Education involves technical, academic and employability skills needed to prepare you to make informed career choices and to successfully enter, compete and advance in a changing workforce. In the next 10 years, 65 percent of Ohio's new jobs will require high-tech skills. The skills you will learn with a Career Technical Education will give you the extra edge in post secondary education and today's competitive market.

## **COLLEGE TECH PREP PROGRAM OFFERINGS**

### ***Two Year Tech Prep Programs (11 & 12)***

Cosmetology  
Visual Communication Design  
Business Technology  
Construction Technology

Education and Training  
Financial Management  
Interactive Media  
Computer Programming

Engineering  
Medical Technology  
Horticulture

### ***Family & Consumer Science***

Career and College Readiness  
Child Development  
Food Science and Culinary Art (1 year)  
Principles of Nutrition and Wellness  
Personal Wellness and Development  
Transitions and Careers  
Principles of Food

### ***Career Cluster Pathways Offered***

Arts & Communications  
Business & Management  
Engineering & Industrial  
Horticulture  
Health, Education and Human Services  
Information Technology

# CAREER TECHNICAL EDUCATION

## ADMISSIONS AND ENROLLMENT POLICY

The selection and admission process for Sylvania's Career Technical Education programs begins in the sophomore year. Through the various career awareness activities held on both school campuses, students have an opportunity to learn about each program.

Students interested in applying for a Career Technical Education program must complete an application (available in the guidance office) that is signed by the parent/guardian and returned to the guidance counselor. Programs begin in the fall of the junior year. Credits earned for parts of the total program passed each semester will be added to the student's cumulative total. Students who fail their program will be withdrawn and rescheduled in other academic classes necessary for graduation.

Students who are entering their junior year are eligible to apply for a program if they have completed the minimum requirements of:

- 2 credits English
- 2 credits Math
- 2 credits Science
- 1 credit physical education/health

Seniors applying are required to have additional courses plus a minimum of 12 credits.

If a student does not meet the minimum eligibility requirements, and there is space available in the program, an educational plan may be used to admit that student.

***Some Career Tech Education programs can be taken for Honors credit. See your counselor for details.***

Students will be considered for admission to the Career Technical Program on the basis of scholastic record, attendance, and discipline record. Program space is limited and will be based on availability and application ranking.

Every effort will be made to place students in their proper programs based on the Career Pathways model as adopted by both Sylvania Northview and Southview. Some programs require, by law, background checks and/or medical releases for participation. See your guidance counselor for more details.

## CAREER TECHNICAL OVER-ENROLLMENT POLICY

Career Technical Programs are enrolled with students who can most benefit from class. Good behavior and attendance are extremely important to the success of the student in the programs. Programs will be enrolled to capacity using the following criteria:

1. Completion of the career tech application process.
2. Class status-Juniors will be given priority in the first year of a two year program. Seniors may enroll in the first year of a two year program if space is available. Seniors are not permitted to enroll in programs that require two year participation for licensing/industry credentialing.
3. Attendance-Most Career Technical programs meet more than one period per day over a two year period of time. Attendance is critical to the success of students in these programs.
4. Discipline history-The discipline history will be used for calculating scores on the enrollment rubrics.
5. The cumulative GPA will be used for the enrollment rubrics.

Every effort will be made to place students in their proper programs based on the Career Pathways model as adopted by both Sylvania Northview and Southview.

Seniors may choose to spend their senior year in the first year of a two year program, space permitting. It is not unusual that some seniors get to their final year in high school and realize that they don't (or won't) have any hands-on-experience in preparing for the world of work. The idea that "one year's experience is better than no experience" has worked for some pathway areas. Seniors are not permitted to enroll in programs that require two year participation for licensing/industry credentialing.

## HOME SCHOOL ENROLLMENT POLICY

All Career Technical Education programs are available to all juniors and seniors regardless of their home school. Home school designation is based on your residence and district boundaries. Enrollment in a Career Technical Education program does not change your designated home school.

## TRANSFER BUS POLICY

Students who travel between high schools for their Career Technical Education program will have the opportunity to take the school transfer bus. This option may not be available for single period Career Technical classes.

Students who wish to drive between buildings must follow the driving/parking procedures indicated in the students' home school handbook and complete a Permission to Drive form available from the Career Technical Office or program instructor.

## STUDENT ACTIVITIES

Career Technical Education students are encouraged to participate in their home school's extra-curricular activities such as sports, clubs, music, etc. The student will be under the eligibility rules established by the Sylvania Board of Education and the State of Ohio.

## EARLY PLACEMENT

Students who have demonstrated above average achievements and have a recommendation from their instructor may be eligible for early job placement. Students are placed in a job related to their field of technical training. Early placement will take place during the second semester as arranged by the instructor. They are graded on their work by their employer and may also be paid. The experience provides an opportunity for students to begin the transition from school to work with the encouragement and assistance of their career technical instructor.

## CAREER TECHNICAL STUDENT ORGANIZATIONS

Career Technical Education programs offer co-curricular activities in student organizations that provide leadership opportunities at the local, regional, state and national levels.

**Business Professionals of America-** Today's students—tomorrow's business professionals. This national organization for Business Technology, Financial Management, and Computer Programming and Interactive Media students provides the members with the opportunity for development of leadership skills, personal and professional growth, social awareness, civic responsibility and an understanding of the business community. Students may compete in regional, state, and national competitions.

**FFA-** Students enrolled in Horticulture are eligible to participate in FFA activities. Activities at the local, district, state and national level help students develop leadership skills in fulfilling occupational, social and civic responsibilities. Members are eligible for local, district, state and national awards in various contests and activities.

**FCCLA-** Family Community & Career Leaders of America helps prepare students with salable skills, opportunities to work with people in the business community and to participate in activities at district, state, and national levels. Students enrolled in Education in Training, and Family and Consumer Sciences programs are eligible for membership.

**Skills/USA -** Activities center on discussion and investigation of occupational opportunities, competition that displays skills learned, and efforts to better understand the citizenship responsibilities as they are unique to the individual person. Students enrolled in Construction Tech Prep, Cosmetology, Engineering Tech Prep, and Visual Communication Design may become members of Skills USA.

**HOSA –** Future health professionals in Medical Technology develop leadership and technical skills through participation in this intracurricular activity.

**\* Note: Fees are reviewed annually for Board of Education approval.**



# Career Pathways

# 2018-2019

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## Information to Parents

Defining and exploring a career path during high school that matches a student's interests and skills is crucial to attaining success in college and careers. This Career Connections Guide will help students and parents design a high school learning experience that will prepare students academically and technically for a career of their choice.

Sylvania Schools offers coursework in six career pathways and twelve career fields. Career Pathways provide a collective look at education and training, wage, and job outlook information for related occupations. A Career Pathway includes an Academic Pathway that serves as the foundation for related careers.

## Sylvania Schools Career Pathways

- Arts & Communications – page [22](#)
- Business & Management – page [24](#)
- Environmental & Agriculture – page [26](#)
- Health, Education & Human Service – page [28](#)
- Engineering & Industrial – page [30](#)
- Information Technology – page [32](#)

Our counselors and teachers will lead students through career advising activities and guide them to the completion of a student success plan. This process helps students understand how their personal interests, strengths, and values might predict satisfaction and success in school and related career fields, as well as how to link these interests and strengths to their academic and career goals. Students will create a high school schedule, which will prepare them for college and careers, by aligning academic coursework, career exploration, and career skill attainment.

## Overview of the Student Success Plan Outline

	6	7	8	9	10	11	12
Learning style	x			x			x
Career interests	x	x	x	x	x	x	x
Strengths/skills	x	x		x	x	x	x
Work values	x	x				x	x
Academic and career pathways	x	x	x	x	x	x	x
School courses and programs	x	x	x	x	x	x	x
Career exploration activities	x	x	x	x	x	x	x
Postsecondary education and training programs				x	x	x	x
College and career planning and preparation		x	x		x	x	x

## Getting Started

Complete [The Student Success Plan](#), and use the resources below to define a career path. Then, refer to the Career Pathways pages 22-33 to connect your high school courses to your chosen career. A sample schedule is provided for each pathway. All students are encouraged to take the academic and career courses that will prepare them for a future career. The pathway electives section highlights courses that will provide career-ready skills for the chosen career.

[Ohio Means Jobs K-12](#)

[Occupation Search](#)

[In-Demand Careers](#)

[Career Pathways](#)

Explore, Plan, Fund, Find Careers

Select Industry (Pathways) & Explore Interests

Current Job Market Trends

Overview of Career Options & Education Required

# CAREER PATHWAY HIGH SCHOOL

## *Occupations - Arts & Communications*

The **Arts & Communications** cluster includes the entry, technical and professional level career options within the performing, visual, written, and media arts. This cluster includes but is not limited to the following industries: theater, film, mass media, journalism, literature, fine arts, TV/radio broadcasting, advertising, public relations, graphic design, printing/publishing, telecommunications, and technical writing. Many of the skills learned in this area can be transferred to areas in business and human services. Because communication is a skill needed for success in working with people, this pathway is often considered a foundation skill for other areas.

### **IS THIS YOU?**

- Can you work accurately with detailed information?
- Can you read and follow directions?
- Do you have artistic ability?
- Do you visually like to express your feelings and ideas?
- Do you have clear written and verbal communication skills?
- Do you have observation skills?
- Do you have the ability to work alone and in groups?
- Are you creative and innovative?

If you answer "yes" to most of these questions, the Arts & Communications Pathway may be for you.

### **Career Opportunities by Educational Level**

#### ***Four Years of College and beyond***

Agents and Business Managers	Desktop Publishers	Painters & Illustrators
Architectural Drafters	Editors	Producers
Art Directors	Fashion Designers	Public Relations Specialists
Choreographers	Interpreters and Translators	Sculptors
Copy writers	Landscape architects	Audio/Video Equipment Technicians
Creative Writers	Music directors	Set & Exhibit Designers
Curators		Technical Writers

#### **1-2 Years Training/Education**

Actors	Interior designers	Paste up Workers
Broadcast Technicians	Interpreters & Translators	Pre-Press Technicians
Cartoonists	Jewelers	Professional Photographers
Commercial & Industrial Designers	Make-up Artists (Theatrical Performances)	Proofreaders
Computer Systems Analysts	Musical Instrument Repairs	Web Developers
Film & Video Editors		Telecommunications Line Installers & Repairers
Graphic Designers		

#### **High School**

Copy Writers	Film Lab Technicians	Job Printers
Craft Artist	Floral Designers	Stock Clerk, Sales Floor
Etchers & Engravers		Telemarketing

## Arts and Communications Career Cluster

Courses are offered at various academic levels (Honors and AP) and delivery systems (block and single period). Counselors will assist students in choosing the appropriate level at the time of scheduling.

Recommended Schedule						Pathway Electives	
Grade	Core	Additional requirements may be necessary for acceptance to some colleges. See your counselor for information.				Refer to course descriptions for further information about these electives or consecutive courses in the cluster.	
9	English Math Science World Studies	Health and Physical Education	World Language	Career Based Elective		Art Foundations Computer Graphics Found. Drama I Photojournalism (NV)	Orchestra(s) Band(s) Popular Music Studies Computer Graphic Design I Theater Workshop Choir(s)
10	English Math Science American History	Physical Education	World Language	Elective	Elective	Art Electives	Orchestra(s) Choir(s) Band(s) Computer Graphic Design II
11	American Literature Math Science Social Studies Elective	World Language (recommended for college preparatory)	Elective	Elective	Elective	Journalism Yearbook Advanced Art Electives Public Speaking (NV) Broadcast Journalism(NV)	Orchestra(s) Band(s) Choir(s) Interactive Media* Visual Communication Design I*
12	Senior English Math Science American Government	Elective	Elective	Elective	Elective	Journalism Yearbook Advanced Art Electives Band(s) Orchestra(s) Choir(s)	Interactive Media II* Visual Communication Design II*

### Industry Credential Opportunities:

Unavailable

**Fine Arts credit required for the class or 2014 and beyond**

\*Dual enrollment or articulated college credits may be awarded upon successful completion of CTE program.

Refer to course descriptions for further information about electives.



# CAREER PATHWAY HIGH SCHOOL

## *Occupations - Business & Management*

**Business & Management** careers include a variety of jobs in areas related to administration and management as well as marketing, finance, accounting, and data processing. Workers in this group use mathematical and analytical skills to design financial systems and interpret records. Others set policies and priorities as well as participate in marketing and sales activities. Professional occupations in this area which require high educational attainment and offer high earnings are expected to grow rapidly.

### **IS THIS YOU?**

Is it important for you to have day-to-day contact with the public?

Are you able to use logical thinking and personal judgment to perform a variety of office tasks?

Are you able to make decisions based on your own judgment and company policy?

Are you able to follow instructions without close supervision?

Are you able to deal with people?

Are you able to change work activities frequently?

If you answer "yes" to most of these questions, the Business & Management Pathway may be for you.

### **Career Opportunities by Educational Level**

#### ***Four Years of College and beyond***

Administrative Services Managers	Credit Analysts	Marketing Managers
Accountants	Financial Examiners	Purchasing Managers
Actuaries	Financial Managers	Sales Agents
Advertising & Promotions Managers	Human Resources Specialists	Statisticians
Budget Analysts	Insurance Underwriters	Treasurers, Controllers
Computer Hardware Engineers	Loan Officers	Chief Financial Officers
Computer Systems Analysts		Management Analysts

#### ***1 – 2 Years Training/Education***

Bookkeeping, Accounting, Auditing Clerks	Court Reporters	Lodging Managers
Budget Analysts	First-line Supervisors	Medical Transcriptionist
Communication Equipment Mechanics, Installers, Repairers	Food Service Managers	Operations Research Analysts
Computer Programmers	Insurance Adjusters	Real Estate Brokers
Computer, Automated Teller, and Office Machine Repairs	Job Analysis Specialists	Sales Representatives
		Technical Writers
		Travel Agents
		Wholesale and Retail Buyers

#### ***High School***

Assessors	Insurance Claims Clerks	Payroll & Timekeeping Clerks
Bill & Account Collectors	Insurance Sales Agent	Postal Service Mail Carriers
Brokerage Clerks	Loan Interviewers and Clerks	Reservation & Transportation Ticket Agents
Computer Operators	Meter Readers, Utilities	Retail Salespersons
Customer Service Representatives	Office Clerks, General	Tellers
Data Entry Keyers		
Energy Brokers		

## Business & Management Career Cluster

Courses are offered at various academic levels (Honors and AP) and delivery systems (block and single period). Counselors will assist students in choosing the appropriate level at the time of scheduling.

Recommended Schedule						Pathway Electives	
Grade	Core	Additional requirements may be necessary for acceptance to some colleges. See your counselor for information.				Refer to course descriptions for further information about these electives or consecutive courses in the cluster.	
9	English Math Science World Studies	Health and Physical Education	World Language	Career Based Elective	Elective	Business & Management Foundation	Public Speaking(NV)
10	English Math Science American History	Physical Education	World Language	Business & Management Foundation	Elective	Software Applications	<b>Southview</b> Accounting System Tech I
11	American Literature Math Science Social Studies Elective	World Language (recommended for college preparatory)	Elective	Elective	Elective	Money Management Financial Management I* Business Technology I*	Money Management Financial Management I* Business Technology I*
12	Senior English Math Science American Government	Elective	Elective	Elective	Elective	Financial Management II* Business Technology II*	Financial Management II* Business Technology II*

### Industry Credential Opportunities:

Unavailable

Fine Arts credit required for the class or 2014 and beyond.

\*Dual enrollment or articulated college credits may be awarded upon successful completion of CTE program.

Refer to course descriptions for further information about electives.

# CAREER PATHWAY HIGH SCHOOL

## *Occupations - Environmental & Agricultural*

The **Environmental & Agriculture Systems** career cluster includes a variety of jobs within environmental and agricultural industries. This cluster includes careers related to service, research, education and production. Numerous career opportunities exist in agricultural sales and services, animal and crop production, education, engineering and mechanical systems, food processing, horticulture, and natural resources.

### **IS THIS YOU?**

Working in a wide variety of working conditions, inside and outside?

Having contact with plants and animals?

Can you read scientific information and follow directions?

Enjoy working with equipment?

Like to be creative?

Like working with your hands?

If you answer "yes" to most of these questions, the Environmental & Agricultural Systems Pathway may be for you.

### **Career Opportunities by Educational Level**

#### ***Four Years of College and beyond***

Agricultural Engineers  
Agricultural Inspectors  
Animal Scientists  
Biologists  
Criminal Investigators  
Environmental Scientists

Farmers & Ranchers  
Food Scientists & Technologists  
Foresters  
Hydrologists  
Landscape Architects  
Nursery & Greenhouse Managers

Park Naturalists  
Plant Scientists  
Range Managers  
Soil Conservationists  
Veterinarians  
Zoologists & Wildlife Biologists

#### ***1 – 2 Years Training/Education***

Animal Breeders  
Animal Scientists  
Animal Trainers  
Biological Technicians  
Bus & Truck Mechanics  
Farmers & Ranchers  
Fish & Game Wardens

Floral Designers  
Forest Fire Inspectors & Prevention  
Specialists  
Foresters  
Landscaping & Groundskeeping  
Workers

Nursery & Greenhouse Managers  
Pest Control Workers  
Veterinary Assistants  
Laboratory Animal Caretakers  
Veterinary Technologists &  
Technicians

#### ***High School***

Agricultural Equipment Operators  
Animal Trainers  
Butchers & Meat Cutters  
Farmers & Ranchers  
Food Batchmakers

Forest & Conservation Workers  
General Farm Workers  
Landscaping & Grounds Keeping  
Workers  
Materials Inspectors

Nursery Workers  
Pesticide Handlers  
Pest Control Workers  
Retail Salespersons  
Welder-Fitters

## Environmental & Agricultural Career Cluster

Courses are offered at various academic levels (Honors and AP) and delivery systems (block and single period). Counselors will assist students in choosing the appropriate level at the time of scheduling.

Recommended Schedule						Pathway Electives	
Grade	Core	Additional requirements may be necessary for acceptance to some colleges. See your counselor for information.				Refer to course descriptions for further information about these electives or consecutive courses in the cluster.	
9	English Math Science World Studies	Health and Physical Education	World Language	Animal and Plant Science	Elective	Public Speaking	Business & Management Foundation
10	English Math Science American History	Physical Education	World Language	Plant and Horticulture	Elective	Agriculture & Environmental Systems Introduction to Alternative Energy Engineering Applications Engineering Design CAD	Agriculture & Environmental Systems Plant and Horticulture Introduction to Alternative Energy Engineering Applications Engineering Design CAD
11	American Literature Math Science Social Studies Elective	World Language (recommended for college preparatory)	Elective	Elective	Elective	Horticulture I	Money Management
12	Senior English Math Science American Government	Elective	Elective	Elective	Elective	Horticulture II	

### Industry Credential Opportunities:

Unavailable

Fine Arts credit required for the class of 2014 and beyond.

\*Dual enrollment or articulated college credits may be awarded upon successful completion of CTE program.

Refer to course descriptions for further information about electives.

Course descriptions for further information about electives.

# CAREER PATHWAY HIGH SCHOOL

## *Occupations - Health, Education & Human Services*

**Health & Human Services** careers include a variety of jobs in law and legal services, community support areas such as education, medical technician, personal services such as cosmetology, and community support areas such as fire and city services. Medical and educational services are projected to be some of the fastest growing occupations. The jobs in this sector are charted to increase dramatically in the next several years.

### IS THIS YOU?

- Can you work accurately with detailed information?
- Can you work independently?
- Do you have excellent physical condition and stamina?
- Do you have knowledge of basic math and biology?
- Do you have clear verbal skills?
- Can you use judgment and reasoning to cope with emergencies such as illnesses, accidents, or interrupted service?
- Can you direct, manage, or supervise the activities of others?

If you answer "yes" to most of these questions, the Health & Human Services Pathway may be for you.

### Career Opportunities by Educational Level

#### *Four Years of College and beyond*

Biostatisticians  
Dietitians & Nutritionists  
Fitness Trainers & Aerobics  
Instructors  
Health Educators  
Occupational Therapists  
Physical Therapists

Registered Nurses  
Veterinarians  
Child, Family & Social Workers  
Coaches & Scouts  
Food Service Managers

Medical Scientists  
Mental Health Counselors  
Molecular Biologists  
Psychologists  
Respiratory Specialists  
Special Education Teacher  
Training & Development Specialists

#### 1 – 2 Years Training/Education

Chefs and Head Cooks  
Child Care Workers  
Dental Assistants  
Dietetic Technicians  
Embalmers  
Fashion Designers  
Fitness Trainers  
Flight Attendants  
Hairdressers, Hairstylists &  
Cosmetologists

Loan Counselors  
Massage Therapists  
Social & Human Service  
Assistants  
Cardiovascular Technologists &  
Technicians  
Dental Hygienists  
Dental Laboratory Technicians

Emergency Medical Technicians  
Paramedics  
Medical Assistants  
Medical Equipment Repairers  
Nuclear Medicine Technologists  
Occupational Therapist Assistants  
Pharmacy Technicians  
Phlebotomists  
Physician Assistants  
Surgical Technologists

#### High School

Ambulance Drivers  
Bus Drivers  
Dental Assistants  
Commercial Pilots  
Home Health Aides  
Medical Assistants  
Nursing Aides, Orderlies  
Nursing Attendants

Psychiatric Aides  
Cashiers  
Child Care Workers  
Fire Inspectors  
Food Preparation Workers  
Hotel, Motel & Resort Desk Clerks

Medical Records  
Ophthalmic Laboratory Technicians  
Patient Representatives  
Receptionists  
Information Clerks  
Recreation Workers  
Security Guards  
Teacher Assistants



## Health, Education & Human Services Career Cluster

Courses are offered at various academic levels (Honors and AP) and delivery systems (block and single period). Counselors will assist students in choosing the appropriate level at the time of scheduling.

Recommended Schedule						Pathway Electives	
Grade	Core	Additional requirements may be necessary for acceptance to some colleges. See your counselor for information.				Refer to course descriptions for further information about these electives or consecutive courses in the cluster.	
9	English Math Science World Studies	Health and Physical Education	World Language	Career Based Elective	Elective	Public Speaking(NV) Teen Issues	Intro. to Education Health Careers Foundation
10	English Math Science American History	Physical Education	World Language	Elective	Elective	Nutrition & Healthy Lifestyles	Child Development
11	American Literature Math Science Social Studies Elective	World Language (recommended for college preparatory)	Elective	Elective	Elective	Psychology AP Psychology Sociology Contemporary Law Healthy Foods	Medical Tech I* Money Management Education and Training I* Cosmetology I
12	Senior English Math Science American Government	Elective	Elective	Elective	Elective	Life After Graduation Child Development Healthy Foods	Medical Tech II* Education and Training II* Cosmetology II

### Industry Credential Opportunities:

Early Childhood Education-First Aid/CPR, Child Abuse Awareness, Communicable Disease Awareness

Medical Technology-First Aid/CPR, First Responder, CERT, Ohio Nurse Aide

Cosmetology-State Cosmetology License

Exploring Careers in Education-First Aid/CPR, Child Abuse Awareness, Communicable Disease Awareness

**Fine Arts credit required for the class of 2014 and beyond.**

Refer to course descriptions for further information about electives.

**\*Dual Enrollment or articulated college credits may be awarded upon successful completion of CTE program.**

# CAREER PATHWAY HIGH SCHOOL

## *Occupations - Engineering, Industrial, Civil, Biomedical & Aeronautical*

The **Industrial & Engineering** careers include a variety of jobs in the automotive, industrial, construction, manufacturing and engineering industries. Often jobs in this area do not require a college degree but must have specific post-secondary training in a specific area. After receiving this training many offer higher than average earnings. Workers in this group collect, record, and coordinate technical information and solve problems related to production. Others operate and maintain equipment or inspect and/or test materials and products to be sure they meet quality standards.

### IS THIS YOU?

- Can you work independently and with a team to complete projects?
- Can you read scientific information and follow directions?
- Do you have above average mathematics and science skills?
- Can you use the scientific method and arrive at logical solutions?
- Do you enjoy solving problems using facts and judgments?
- Can you work accurately with detailed information?

If you answer "yes" to most of these questions, the Industrial & Engineering Pathway may be for you.

### Career Opportunities by Educational Level

#### *Four Years of College and beyond*

Airplane Pilots	Biomedical Engineer	Industrial Production Manager
Construction Managers	Air Traffic Controllers	Industrial Safety Engineer
Electronics Engineer	Chemical Engineers	Materials Engineers
Mechanical Engineer	Construction & Building Inspector	Occupational Health & Safety Specialists
Aeronautical Engineer	Cost Estimators	Remote Sensing Technologists
Quality Control Engineer		Sales Engineers
Civil Engineer		

#### *1 – 2 Years Training/Education*

Auto body Repairer	Construction Capenters	Power generating Plant Operators
Aircraft Mechanics	Cost estimators	Production Inspectors
Architectural drafters	Electro-Mechanical Technicians	Production, Planning, and Expediting Clerks
Avionics Technicians	Engineering Technicians	Surveyors
Civil Engineer Tech	Mechanical Drafters	Quality Control Analysts
Computer Service Tech		

#### *High School*

Aircraft Structure Assemblers	Energy Auditors	Operating Engineers
Appliance Services	First Line Supervisors of Construction Trades	Purchasing Agents
Construction Laborers	Heating & Air Conditioning Mechanics	Roofers
Conveyor Operators & Tenders	Elevator Installers & repairers	Stationary Engineers & Boiler Operators
Drywall Installers	Industrial Machinery Mechanics	Tool & Die Makers
Electricians Assistance		Welders & Cutters
Electrical Powerline Installers		

## Engineering & Industrial Career Cluster

Courses are offered at various academic levels (Honors and AP) and delivery systems (block and single period). Counselors will assist students in choosing the appropriate level at the time of scheduling.

Recommended Schedule						Pathway Electives	
Grade	Core	Additional requirements may be necessary for acceptance for some colleges. See your counselor for information.				Refer to course descriptions for further information about these electives or consecutive courses in the cluster.	
9	English Math Science World Studies	Health and Physical Education	World Language	Career Based Elective	Elective	<b>NORTHVIEW</b> Engineering Applications Engineering Design CAD	<b>SOUTHVIEW</b> Engineering Applications Engineering Design CAD
10	English Math Science American History	Physical Education	World Language	Elective	Elective	<b>NORTHVIEW</b> Introduction to Alternative Energy	<b>SOUTHVIEW</b> Introduction to Alternative Energy
11	American Literature Math Science Social Studies Elective	World Language (recommended for college preparatory)	Elective	Elective	Elective	<b>NORTHVIEW</b> Money Management Engineer. Tech Prep I*	<b>SOUTHVIEW</b> Money Management Construction Tech. I* Engineer. Tech Prep I*
12	Senior English Math Science American Government	Elective	Elective	Elective	Elective	<b>NORTHVIEW</b> Engineer. Tech Prep II*	<b>SOUTHVIEW</b> Automotive Collision II* Construction Tech II* Engineer. Tech Prep II*

### Industry Credential Opportunities:

Construction Technology: OSHA Safety Certification  
Engineering: FEMA and HAZMAT Certification

Fine Arts credit required for the class of 2014 and beyond.

\*Dual enrollment or articulated college credits may be awarded upon successful completion of CTE program

Refer to course descriptions for further information about electives.

# CAREER PATHWAY HIGH SCHOOL

## Occupations - Information Technology

The **Information Technology** cluster includes the entry, technical and professional level career options within the information management, commercial art, visual, written, and media arts, marketing, and computer information systems. Workers in this group use technical knowledge, artistic expression to communicate and maintain the operations of technical equipment including workstation, systems and networks. Employers in this cluster seek lifelong learners who can locate and use information.

### IS THIS YOU?

- Are you a logical thinker?
- Are you able follow instructions and specific procedures?
- Do you have artistic ability?
- Are you capable of expressing yourself visually?
- Do you like solving problems?
- Do you like to direct, modify and assess your own work?

If you answer "yes" to most of these questions, the Information Technology Pathway may be for you.

### Career Opportunities by Educational Level

#### *Four Years of College and beyond*

Art Directors  
Computer & Information Systems  
Manager  
Computer Hardware Engineering  
Computer Programmers

Computer Systems Analysts  
Creative writers  
Database Administrators  
Desktop Publishers  
Graphic Designers

Information Security Analysts  
Network Architects  
Network & Computer Systems  
Admininistrators  
Software Developers

#### *1 – 2 Years Training/Education*

Cartoonists  
Computer, Automated Teller  
& Office Machine Repairs  
Computer User Support Specialists  
Database Administrators  
Electronic Drafters

Film & Video Editors  
Graphic Designers  
Network Support Specialists  
Operations Reserch Analysts

Radio Mechanics  
Screen Printing Machine Setters  
& Set-up Operators  
Telecommunications Line  
Installers & Repairers  
Web Developers

#### *High School*

Audio Visual Collections  
Specialists  
Computer Operators  
Data Entry Keyers  
Job Printers

Office Clerks, General  
Photoengravers  
Photographers Assistants  
Receptionists & Information  
Clerks

Sound Engineering Technicians  
Visual Artists  
Sound Engineering Techicians  
Telemarketer  
Word Processor

## Information Technology Career Cluster

Courses are offered at various academic levels (Honors and AP) and delivery systems (block and single period). Counselors will assist students in choosing the appropriate level at the time of scheduling.

Recommended Schedule						Pathway Electives	
Grade	Core	Additional requirements may be necessary for acceptance to some colleges. See your counselor for information.				Refer to course descriptions for further information about these electives or consecutive courses in the cluster.	
9	English Math Science World Studies	Health and Physical Education	World Language	Career Based Elective	Elective	Info. Tech Found.	Computer Graphics Foundation
10	English Math Science American History	Physical Education	World Language	Elective	Elective	Software Applications	<b>SOUTHVIEW</b> Computer Graphic Design I Computer Graphic Design II AP Computer Science Principles 2D Game Design
11	American Literature Math Science Social Studies Elective	World Language (recommended for college preparatory)	Elective	Elective	Elective	Interactive Media I* Money Management	Visual Communication Design I* Computer Science I
12	Senior English Math Science American Government	Elective	Elective	Elective	Elective	Interactive Media II*	Visual Communication Design II* Computer Science II

### Industry Credential Opportunities:

Unavailable

Fine Arts credit required for the class of 2014 and beyond.

\*Dual enrollment or articulated college credits may be awarded upon successful completion of CTE program.

Refer to course descriptions for further information about electives.

# *Course Descriptions*

## 2018-2019



[www.sylvaniasouthview.org](http://www.sylvaniasouthview.org)



# Telephone Numbers

**Sylvania Southview High School.....419-824-8580**

## **Administration**

Kasey Vens, *Principal* ..... 6101  
Pam Wetmore, *Secretary* ..... 6100  
Claire Kozlowski, *Records Secretary* ..... 6105  
Alexander Clarkson, *Assistant Principal, Teaching and Learning* ..... 6102  
Kathie Witt, *Secretary* ..... 6103  
Stan Joplin, *Assistant Principal, Student Services* ..... 6104  
Cindy Edwards, *Secretary* ..... 6106  
Jim Huss, *Athletic Director* ..... 6115

## **Guidance**

Lisa Yoshino, *Guidance Secretary* ..... 6112  
Michelle Peer, *A - Fe School Counselor* ..... 6110  
Tony Geha, *Fi - Le School Counselor* ..... 6111  
Jodi Hess, *Li - Ro School Counselor* ..... 6113  
Teresa Ontko, *Su - Z School Counselor* ..... 6114

## **Resource Center**

Laurie McCrary, *Media Specialist* ..... 6123

## **Department Chairs/Liaisons**

Career Technology ..... Dale Busdieker  
English ..... Paul Moffitt  
Guidance ..... Teresa Ontko  
Math ..... Matt Fojtik  
Science ..... Abbey Cappel  
Social Studies ..... Lee Boyer  
Special Education ..... Chris Awls  
Supporting Disciplines ..... Sara Snead  
World Language ..... Lucas Hoffman



# GRADUATION REQUIREMENTS

It is the student's responsibility to see that the requirements for graduation are met. Northview High School will make every effort to keep up-to-date records and students and parents informed about the status of progress toward completing the necessary course work for graduation. However, it is the student's responsibility to be acquainted with necessary graduation requirements.

In order to meet the prescribed standards set forth by the State Department of Education and Sylvania Board of Education and to help pupils select the proper sequence of courses, the following regulations and suggestions are listed:

•Twenty-two (22) units of satisfactory work at the high school level are required for graduation.

•Sylvania Board of Education Policy 6140 (Promotion Through the Grades) requires that some identified students with learning difficulties will be assigned to appropriate classes for remediation. Successful completion of these courses shall take precedence over taking other courses outside the core curriculum.

## CLASSES OF 2019 and Beyond

•Students must pass the Ohio Core Curriculum, participate in end of course exams, and meet one of the **state-required pathways** to graduation (<https://education.ohio.gov/getattachment/Topics/Ohio-s-Graduation-Requirements-rev/Earning-an-Ohio-High-School-Diploma-for-the-Cl-1/GradReq2019.pdf.aspx>) Follow this link for updated information on Graduation Pathways requirements.

- 1.** Earn the required individual and cumulative scores on end-of-course Ohio State Tests. The scores will be set by the State Board of Education.
- 2.** Earn a "remediation-free" score on a nationally recognized college admission exam such as ACT or SAT.
- 3.** Earn a State Board of Education-approved, industry-recognized credential or a state-issued license for practice in a career and achieve a score that demonstrates workforce readiness and employability Work Keys.

\*Additional graduation options may exist. Refer to the ODE website for updated details. <http://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements>

- 1. One credit of World Studies, 1 credit American History, .5 credit American Government, remaining 1 credit elective.*
- 2. Math units must include Algebra II.*
- 3. Students must complete at least two semesters of fine arts. Students following a career-technical pathway are exempted from the fine arts requirement. Please see your guidance counselor for details.*
- 4. Five of the 6 electives must be chosen from foreign language, fine arts, business, career-technical education, family and consumer sciences, technology, agricultural education, or English, mathematics, or science, social studies courses not otherwise required.*
- 5. Please see the course descriptions for qualifying courses.*

<i>Sylvania Requirement</i>	<i>Credits</i>
<b>English</b>	<b>4</b>
<b>Social Studies<sup>1</sup></b>	<b>3</b>
<b>Science</b>	<b>3</b>
<b>Math<sup>2</sup></b>	<b>4</b>
<b>Health/Physical Education</b>	<b>1</b>
<b>Fine Arts<sup>3</sup></b>	<b>1</b>
<b>Electives<sup>4</sup></b>	<b>6.0</b>
<b>Total Credits</b>	<b>22</b>

## SCHEDULING PROCEDURES

1. All eighth, ninth, tenth and eleventh grade students must fill out registration forms for the next year even though they may plan to attend another school.
2. Students should discuss course selections for the following year with their parents.
3. The registration form must be filled out and signed by both student and parent (Recommended courses will be indicated). Course Selection will be completed online.
4. The recommended course load is six (6) periods of course work per semester for seniors and seven (7) periods for underclassmen.
5. Juniors and seniors may request an AM or PM flexible schedule. An AM flexible schedule will allow for a delayed starting time. A PM flexible schedule will allow for an early release time (Please see your counselor for the flex scheduling paperwork detailing rules and restrictions.).
6. The school reserves the right to limit or cancel any classes which are offered in the program of studies.

## POST SECONDARY TRANSITION ACTIVITIES (FLEX SCHEDULING)

Post Secondary Transition Activities provide the opportunity to explore educational and work options outside of the traditional school day. This student-centered format encourages students to explore job shadowing, internships, or early job placement through the creation of a flexible schedule.

Juniors and seniors may request an AM or PM flexible schedule. An AM flexible schedule will allow for a delayed starting time. A PM flexible schedule will allow for an early release time. With this flexible schedule option, the district is not responsible for transportation outside regular scheduled routes. All flexible schedule requests are contingent upon the master schedule and course requirements for graduation.

The following contract (located on the student registration sheet) will need to be signed by the student and parent in order for a flexible schedule to be enacted.

1. I understand that the student is responsible for meeting all Sylvania course requirements for graduation as well as Ohio State Graduation Pathways requirements. A flexible schedule may be cancelled in order to meet these requirements.
2. I understand that the student is responsible for knowing changes to the time schedule and attending all scheduled classes when in session (e.g. assembly or two-hour delay).
3. If the student participates in extra-curricular activities, he or she must maintain athletic eligibility. All athletes must pass a minimum of five full credit courses per quarter according to OHSAA Bylaws. Students who plan to participate in collegiate-level athletics must also follow NCAA Clearinghouse regulations.
4. Students with a flexible schedule must enter or leave the building at the designated time period. Students are not permitted to remain at school at unauthorized times.
5. The student and/or parent are responsible for the transportation to and/or from school at times other than the regularly scheduled bus routes.
6. Sylvania Schools is not responsible for students scheduled out of the building during the flexible scheduling time.
7. The Sylvania administration reserves the right to revoke a student's privilege for early release or late arrival for violations of the code of conduct, attendance issues, or academic concerns.

## SCHEDULE CHANGES

Planning a schedule for the next school year is a difficult task, and situations may occur requiring a change in that schedule. Changes have a serious effect on class size, teacher assignments, and the overall master schedule. **Thus, students and parents are urged NOT to plan a program with the idea that it can be changed.** If a parent-approved schedule change is to be considered, you should see your counselor prior to the closing of the school year. **No personal preference changes will be made after the start of school.** Space availability will be a major factor in honoring your request. A student/parent may not request a specific teacher.

Only the following reasons will constitute a need for a change:

1. A technical error was made in the process of scheduling the student's requests.
2. The student has been academically misplaced.
3. There is a scheduling conflict.
4. There is a scheduling overload.

Schedule changes are official when the following conditions are met:

1. All schedule changes must go through the assigned counselor.
2. Schedules will not be changed without appropriate signatures on the change form.
3. The schedule change has been entered into the computer.
4. The student has been given a new, updated copy of the schedule.

**ADDING A CLASS AFTER SCHOOL BEGINS:** Course additions must occur no later than five (5) school days after the beginning of a course. A course may be scheduled in place of a study hall or commons. The student's schedule will not be rearranged to accommodate an additional course.

**COURSE WITHDRAWAL AFTER SCHOOL BEGINS:** Students may drop a course without penalty until the end of the tenth (10th) school day of a semester or year-long course with the teacher and parent permission. The course will be replaced with a study hall. Freshmen and sophomores will not be permitted to drop the course if their course load would drop below the seven (7) recommended course load each semester. Juniors and seniors are required to maintain course loads to meet scheduled graduation requirements.

Students dropping a course after ten school days will receive an "F" for the semester unless it is dropped with written teacher recommendation. Teacher recommendation will be based on the following criteria:

1. The student has sought assistance from the teacher.
2. The student has taken advantage of any available tutorial services.
3. The student's work does not indicate the ability to meet minimum course requirements with conscientious effort.

Students will be assigned to a study hall (not commons) for the remainder of the semester if the course is dropped. Students are expected to complete all year-long classes; however, a semester's credit will be given to a student who has successfully passed one semester of a year-long course if the student was enrolled in the course for the entire year or special circumstances exist to warrant a drop at the end of the first semester.

# FRESHMAN: Course Offerings

It is strongly recommended that students review the **Career Pathways** schedules and Pathway Electives online before beginning the scheduling process. Refer to the following course descriptions to finalize course selections.

A freshman schedule should include the required courses listed below plus a minimum of one elective.

**Required Courses:** *English 9, Math, Physical Science, World Studies, Health, Physical Education*

The following course descriptions are designed to assist in scheduling the freshman year. Southview has a nine-period day. It is recommended that freshman take seven courses with a lunch and study hall each semester. Open periods will be filled with an additional study hall.

*Note: The school reserves the right to limit or cancel course offerings.*

## ENGLISH CURRICULUM

### 3100 ENGLISH 9

Year	Credit 1	Grade 9	Est. Fee \$35
English in 9 curriculum combines the study of literature, composition, research skills and vocabulary. Composition focuses on a variety of different kinds of writing that require a multi-paragraph development. Grammar, spelling, mechanics, and usage are taught in the context of written and oral communication. Vocabulary is approached through the study of words having common Greek and Latin prefixes, roots and suffixes. English 9 students must complete summer reading. Please check the school website for details.			

### 3101 HONORS ENGLISH 9

Year	Credit 1	Grade 9	Est. Fee \$35
This course of intensified study in literature, composition, grammar, and vocabulary expands the English 9 curriculum. Students read and analyze a minimum of three novels in addition to the English 9 core curriculum. Grammar, spelling, mechanics, and usage are taught in the context of written and oral communication. A minimum of one major paper per quarter, in addition to other selected writings, is required. Honors English 9 students must complete summer reading. Please check the school website for details.			

## MATH CURRICULUM

**\*\*See Math Course Flow Chart pg 71**

### 3306 ALGEBRA I

Year	Credit 1	Grades 9-12
Algebra I generalizes the concepts of arithmetic (addition, subtraction, multiplication, division) through the use of literal symbols. Students must develop the ability to reason abstractly. Topics include basic operations on signed numbers, fundamental concepts of exponents, factoring, solution of linear and quadratic equations. Algebra I is a prerequisite for such high school courses as modern geometry, chemistry and physics. It is strongly recommended a student have a TI-83, TI-83 Plus, or TI-84 calculator. Please see website for summer work assignments.		

### 3308 GEOMETRY

Year	Credit 1	Grades 9-12
<b>Prerequisite:</b> <i>Algebra I (2B) or Algebra I</i> This course in modern geometry discusses the properties of plane and space figures. Among the figures discussed are the triangle, parallelogram, trapezoid and circle. Among the concepts taught are congruence, parallelism, perpendicularity, equality and area. It is expected that the student will learn how to use mathematical logic. Proofs are presented in a variety of ways with a concentration on formal two-column proofs. Students will discover geometry concepts in the math lab with the use of Geometer's Sketchpad to enhance the learning of postulates and theorems. It is strongly recommended a student have a TI-83, TI-83 Plus, or TI-84 calculator. Please see website for summer work assignments.		

### 3309 HONORS GEOMETRY

Year	Credit 1	Grades 9-10
<b>Prerequisite:</b> <i>Algebra I</i> This course is for selected students who want a more rigorous study of geometrical concepts and algebraic applications. This course places greater emphasis on formal proofs. Students will discover geometry concepts in the math lab with the use of Geometer's Sketchpad to enhance the learning of postulates and theorems. It is strongly recommended a student have a TI-83, TI-83 Plus, or TI-84 calculator. Please see website for summer work assignments.		

## SCIENCE CURRICULUM

**A full year of physical science, a full year of biological science and a full year of elective science are required for graduation.**

### 3401 PHYSICAL SCIENCE

Year	Credit 1	Grade 9	Est. Fee: \$7
<b>Students must have a non-programmable scientific calculator. Fee includes cost of goggles.</b> Physical Science offers an overview of the fields of chemistry and physics. Through collaborative group work, discussion, and lab activities, students are introduced to the physical science standards that include concepts of matter and its properties, atoms and elements, molecules and compounds, chemical reactions, force, motion, energy and waves. In addition to the subject matter, students are further trained in the techniques of the scientific method through assembling lab equipment, conducting investigations, collecting and analyzing data and writing lab reports. This course is aligned with the Ohio Content Standards.			

### 3402 HONORS PHYSICAL SCIENCE

Year	Credit 1	Grade 9	Est. Fee: \$7
<b>Prerequisite:</b> <i>Algebra I (or pass math test)</i> <b>Corequisite:</b> <i>Geometry</i> <b>Student must have a non-programmable scientific calculator. Fee includes cost of goggles.</b> Physical Science Honors is designed to introduce academically achieving freshmen to chemistry and physics. The course covers the same topics as Physical Science but at an accelerated rate and in more depth. Concepts are learned through lectures and analysis of laboratory experiments. It is assumed that most Honors Physical Science students will continue their secondary science education and this course is designed as an introduction to upper-level science courses. Course work requires ability to manipulate algebraic equations.			

## **SOCIAL STUDIES CURRICULUM**

### **3200 WORLD STUDIES**

**Year**                      **Credit 1**                      **Grade 9**

This course completes a chronological study of world history from 1750 to the present. This study includes not only history, but integrates each of the other six social studies standards. As students study each historical event, they consider the geographic setting, the cultural perspectives, the economic implications and the role of the governments. They develop a deeper understanding of their role as citizens and continue to expand their command of social studies skills and methods.

### **3201 HONORS WORLD STUDIES**

**Year**                      **Credit 1**                      **Grade 9**

The Honors course covers the World Studies content in greater depth. Students are required to complete a considerable amount of reading and extended writing assignments. Students will be expected to express themselves well both orally and in writing. A recommendation from 8th grade Social Studies and English teachers is required as well as an A or B in both Social Studies and English

### **32191 AP EUROPEAN HISTORY**

**Year**                      **Credit 1**                      **Grade 9**                      **Est. Fee: \$2**

The AP European History course focuses on developing students' understanding of European history from approximately 1450 to the present. Students will investigate the content of European history for significant events, individuals, developments, and processes in four historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides six themes (interaction of Europe and the world, poverty and prosperity, objective knowledge and subjective visions, states and other institutions of power, national and European identity, and individual and society) that students explore throughout the course in order to make connections among historical developments in different times and places.

## **HEALTH / PHYSICAL ED. CURRICULUM**

### **3502 HEALTH**

**Semester**                      **Credit 1/2**                      **Grade 9-10**

Health is a required course that presents the subject of health in relation to the needs of adolescents. The course approaches the subject from a position which realizes that the student can begin to assume responsibility for his or her own health and safety, and is designed with a positive approach to healthful living. The course meets five times each week for one semester.

### **3500 PHYSICAL EDUCATION**

**Semester**                      **Credit 1/4**                      **Grades 9-10**                      **2 Semesters**

Southview High School requires physical education for all students. See Graduation Requirements. The units in Physical Education have been divided between the two semesters.

Boys and girls are required to wear gym shorts, a top for girls and T-shirts for boys. Gym shoes are also required. No denim jeans will be permitted. Warm-ups, sweat suits and jackets will be needed for outdoor activities. Students may be exempted from participation only with a physicians note. If 25% of the days in a semester are missed for any reason, the semester will have to be repeated.

Our objectives are to promote fitness with aerobic activities and training, influence proficiency traits and abilities not dealt with in classrooms, improve posture, develop desirable character traits and establish an interest in sports for future life patterns.



# FRESHMAN: Electives

## ARTS & COMMUNICATION

- 3740** Art Foundations: *Year, 1 credit*  
**3739** Art Appreciation, *Semester, .5 credit*  
**3742** AP Art History: *Year, 1 credit*  
**8446** Computer Graphic Design I, *Semester, .5 credit*  
**8448** Computer Graphic Design II, *Semester, .5 credit*  
**8598** Intro to Visual Technology, *.5 credit*  
**8599** Careers in Visual Technology, *.5 credit*  
**86061** 3D Game Design, *Year, 1 credit*  
**8597** 3D Animation, *Semester, .5 credit*  
**3103** Oral Communications: *Semester, .5 credit*  
**3104** Honors Oral Communication: *Semester, .5 credit*  
**3105** Oral Communications II *Semester, .5 credit*  
**3113** Drama I: *Semester, .5 credit*  
**3132** Honors Drama: *Semester, .5 credit*  
**3114** Theatre Workshop: *Semester, .5 credit*  
**3120** Journalism Writing and Design: *Semester, .5 credit*  
**Music**  
**3770** Band/Marching, Concert, Symphonic: *Year, 1 credit*  
**3750** Auxiliary Band: *9 Weeks, .5 credit*  
**3763** Jazz Band: *Year, .25 credit*  
**3751** Orchestra/Honors: *Year, 1 credit*  
**3764** A Cappella/Honors: (NV) *Year, 1 credit*  
**3759** Symphonic Choir: *Year, 1 credit*  
**3768** Popular Music Studies: *Semester, .5 credit*

## BUSINESS & MANAGEMENT

- 8410** Business Foundations: *Semester, .5 credit*  
**8313** Intro to Marketing: *Semester, .5 credit*  
**8311** Software Applications: (NV), *Semester, .5 credit*

## ENGINEERING & INDUSTRIAL

- 8394** Engineering Applications: *Semester, .5 credit*  
**8392** Engineering Design: *Semester, .5 credit*  
**8396** Introduction to Alternative Energy:  
*Semester, .5 credit*  
**8398** Computer Aided Design: *Semester, .5 credit*  
**8399** Green Systems and Design, *Year, 1 credit*  
**8391** Robotics Technology, *Year, 1 credit*

## ENVIRONMENTAL & AGRICULTURE

- 8441** Agriculture & Environmental Systems *Year, 1 credit*  
**8442** Plant and Horticulture: *Year, 1 credit*

## HEALTH, EDUCATION & HUMAN SERVICES

- 8375** Transition and Careers, *Semester, .5 credit*  
**8376** Personal Wellness and Development,  
*Semester, .5 credit*  
**8377** Principals of Nutrition and Wellness,  
*Semester, .5 credit*  
**8380** Principles of Food: *Semester, .5 credit*  
**8460** Introduction to Education:  
*semester, .5 credit*  
**8430** Health Careers Foundation:  
*Semester, .5 credit*

## INFORMATION TECHNOLOGIES

- 8309** Today's Technology: *Semester, .5 credit*  
**8415** Intro to Programming, *Semester, .5 credit*  
**8545** 2D Game Design, *Semester, .5 credit*  
**85433** AP Computer Science Principles: *Year, 1 credit*

## WORLD LANGUAGES

- 3700** French I: *Year, 1 credit*  
**3701** French II: *Year, 1 credit*  
**3720** German I: *Year, 1 credit*  
**3730** Spanish I: *Year, 1 credit*  
**3731** Spanish II: *Year, 1 credit*  
**3726** Chinese I, *Year, 1 credit*  
**3727** Chinese II, *Year, 1 credit*



# SOPHOMORE: Course Offerings

It is strongly recommended that students review the **Career Pathways** schedules and Pathway Electives online before beginning the scheduling process. Refer to the following course descriptions to finalize course selections.

A sophomore schedule should include the required courses listed below plus a minimum of 1.5 electives.

**Required Courses: English 10, Math, Biology, American History, Physical Education**

The following course descriptions are designed to assist in scheduling the sophomore year. Southview has a nine-period day. It is recommended that sophomores take seven courses with a lunch and study hall each semester. Open periods will be filled with an additional study hall.

*Note: The school reserves the right to limit or cancel course offerings.*

## ENGLISH CURRICULUM

### 3110 ENGLISH 10

Year Credit 1 Grade 10 Est. Fee \$35

**Prerequisite:** English 9

The English 10 curriculum encompasses literature, grammar, composition, and vocabulary. The literature emphasizes universal themes from a variety of cultural and historical contexts. Grammar and composition focuses on the development of a clear and effective expository style, especially through the development of logically-developed expository essays. Vocabulary emphasizes the continuity among words due to their use of Greek and Latin roots, prefixes, and suffixes. Students in English 10 must complete summer reading. Please check the school website for details.

### 3112 HONORS ENGLISH 10

Year Credit 1 Grade 10 Est. Fee \$35

**Prerequisite:** English 9

Honors English 10 addresses all aspects of the English 10 core curriculum. In addition, students learn advanced skills of literary analysis through a study of classical Greek and Shakespearean texts. Writing focuses on literary analysis and logically-developed expository essays. Students in Honors English 10 must complete summer reading. Please check the school website for details.

## MATH CURRICULUM

**\*\*See Math Course Flow Chart pg 71**

### 3306 ALGEBRA I

Year Credit 1 Grades 9-12

Algebra I generalizes the concepts of arithmetic (addition, subtraction, multiplication, division) through the use of literal symbols. Students must develop the ability to reason abstractly. Topics include basic operations on signed numbers, fundamental concepts of exponents, factoring, solution of linear and quadratic equations. Algebra I is a prerequisite for such high school courses as modern geometry, chemistry and physics. It is strongly recommended a student have a TI-83, TI-83 Plus, or TI-84 calculator. Please see website for summer work assignments.

### 3308 GEOMETRY

Year Credit 1 Grades 9-12

**Prerequisite:** Algebra I (2B) or Algebra I

This course in modern geometry discusses the properties of plane and space figures. Among the figures discussed are the triangle, parallelogram, trapezoid and circle. Among the concepts taught are congruence, parallelism, perpendicularity, equality and area. It is expected that the student will learn how to use mathematical logic. Proofs are presented in a variety of ways with a concentration on formal two-column proofs. Students will discover geometry concepts in the math lab with the use of Geometer's Sketchpad to enhance the learning of postulates and theorems. It is strongly recommended a student have a TI-83, TI-83 Plus, or TI-84 calculator. Please see website for summer work assignments.

### 3309 HONORS GEOMETRY

Year Credit 1 Grades 9-10

**Prerequisite:** Algebra I

This course is for selected students who want a more rigorous study of geometrical concepts and algebraic applications. This course places greater emphasis on formal proofs. Students will discover geometry concepts in the math lab with the use of Geometer's Sketchpad to enhance the learning of postulates and theorems. It is strongly recommended a student have a TI-83, TI-83 Plus, or TI-84 calculator. Please see website for summer work assignments.

### 3312 ALGEBRA II

Year Credit 1 Grades 10-12

**Prerequisite:** Algebra I (2B) or Algebra I and Modern Geometry (Reg., Honors or 2B)

Algebra II studies the problems of Algebra I in greater depth and is a more sophisticated treatment of those problems. The content of the course ranges from simple abstract reasoning to the complexities of functions and probability. It is recommended that students have a "C" average or better in Algebra I and Modern Geometry. Students are required to purchase a TI-83, TI-83 Plus, or TI-84 graphing calculator for use in and out of class. Please see website for summer work assignments.

### 3313 HONORS ALGEBRA II

Year Credit 1 Grades 10-12

**Prerequisites:** Algebra I and Modern Geometry

This course is for selected students who have completed Algebra I and Geometry. The material parallels the regular Algebra II course but develops a more theoretical approach rather than a problem-solving approach. Modern terminology and notations are used extensively. Students are required to purchase a TI-83, TI-83 Plus, or TI-84 graphing calculator for use in and out of class. Please see website for summer work assignments.

## SCIENCE CURRICULUM

### 3413 BIOLOGY

Year Credit 1 Grades 10-12 Est. fee: \$10

**Prerequisites:** Physical Science

**Student must have a non-programmable scientific calculator.**

This course investigates the composition, diversity, complexity and interconnectedness of life on Earth. Fundamental concepts of cells, heredity, and evolution 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.

### 3411 HONORS BIOLOGY

Year Credit 1 Grades 10-12 Est. Fee: \$10

**Prerequisite:** Physical Science and teacher recommendation

**Student must have a non-programmable scientific calculator.**

The honors biology curriculum investigates the composition, diversity, complexity and interconnectedness of life on Earth. Fundamental concepts of cells, heredity, and evolution provide a framework through inquiry-based instruction to explore the living world, the physical environment and the interactions within and between them, along with a comparative anatomy unit that includes some dissection. This course will be a faster paced, more expanded curriculum than the biology course. It is a laboratory and activity based course with emphasis on inquiry-based learning. The course will stress the development of critical thinking skills, experimental design, accurate recording, data interpretation and analysis.

## SOCIAL STUDIES CURRICULUM

### **3204 AMERICAN HISTORY**

**Year**                      **Credit 1**                      **Grade 10**

This course completes the chronological study of the history of the United States begun in eighth grade. This study includes not only history from 1877 to the present, but integrates each of the other six social studies standards. As students study historic events, they consider the geographic setting the cultural perspectives, the economic implications and the role of the government. They develop a deeper understanding of their role as citizens and continue to expand their command of social studies skills and methods.

### **3207 AP UNITED STATES HISTORY**

**Year**                      **Credit 1**                      **Grade 10**

This course is a survey study equivalent to the demands of an introductory college course in United States history. The AP test may receive advanced placement and/or waiving of course work by some colleges. From the colonies to the present, course content is given in-depth consideration by means of a chronological and/or topical approach. Students will evaluate historical materials to weigh the evidence and interpretations presented by historical research. Students will be expected to complete a considerable amount of reading of both primary and source materials including texts, paperbacks, maps and charts. Students should be able to express themselves well both orally and in writing. They may write analytical and research papers as well as essay examinations. Admission to the class will be based upon teacher recommendation, meeting the department standards for advanced placement work (including grade average, possible testing and interview by the teacher).

## HEALTH / PHYSICAL ED. CURRICULUM

### **3500 PHYSICAL EDUCATION**

**Semester**                      **Credit 1/4**                      **Grades 9-10**                      **2 Semesters**

Southview High School requires physical education for all students. See Graduation Requirements. The units in Physical Education have been divided between the two semesters.

Boys and girls are required to wear gym shorts, a top for girls and T-shirts for boys. Gym shoes are also required. No denim jeans will be permitted. Warm-ups, sweat suits and jackets will be needed for outdoor activities. Students may be exempted from participation only with a physicians note. If 25% of the days in a semester are missed for any reason, the semester will have to be repeated.

Our objectives are to promote fitness with aerobic activities and training, influence proficiency traits and abilities not dealt with in classrooms, improve posture, develop desirable character traits and establish an interest in sports for future life patterns.

# SOPHOMORE: Electives

## ARTS & COMMUNICATION

- 3740** Art Foundations: *Year, 1 credit*
- 3739** Art Appreciation, *Semester, .5 credit*
- 3742** AP Art History: *Year, 1 credit*
- 3743** 2D Design—Drawing/Painting: *Year, 1 credit*
- 4746** 3D Design—Ceramics/Sculpture: *Year, 1 credit*
- 4748** 3D Design—Metals: *Year, 1 credit*
- 8446** Computer Graphic Design I, *Semester, .5 credit*
- 8448** Computer Graphic Design II, *Semester, .5 credit*
- 8598** Intro to Visual Technology, *.5 credit*
- 8599** Careers in Visual Technology, *.5 credit*
- 86061** 3D Game Design, *Year, 1 credit*
- 8597** 3D Animation, *Semester, .5 credit*
- 3103** Oral Communications: *Semester, .5 credit*
- 3104** Honors Oral Communication: *Semester, .5 credit*
- 3105** Oral Communications II *Semester, .5 credit*
- 3113** Drama I: *Semester, .5 credit*
- 3132** Honors Drama: *Semester, .5 credit*
- 3114** Theatre Workshop: *Semester, .5 credit*
- 3120** Journalism Writing and Design: *Semester, .5 credit*

### Music

- 3770** Band/Marching, Concert, Symphonic: *Year, 1 credit*
- 3750** Auxiliary Band: *9 Weeks, .5 credit*
- 3763** Jazz Band: *Year, .25 credit*
- 3751** Orchestra/Honors: *Year, 1 credit*
- 3764** A Cappella/Honors: **(NV)** *Year, 1 credit*
- 3759** Symphonic Choir: *Year, 1 credit*

## BUSINESS & MANAGEMENT

- 8410** Business Foundations: *Semester, .5 credit*
- 8313** Intro to Marketing: *Semester, .5 credit*
- 8311** Software Applications: **(NV)**, *Semester, .5 credit*

## ENGINEERING & INDUSTRIAL

- 8394** Engineering Applications: *Semester, .5 credit*
- 8392** Engineering Design: *Semester, .5 credit*
- 8396** Introduction to Alternative Energy:  
*Semester, .5 credit*
- 8398** Computer Aided Design: *Semester, .5 credit*
- 8399** Green Systems and Design, *Year, 1 credit*
- 8391** Robotics Technology, *Year, 1 credit*

## ENVIRONMENTAL & AGRICULTURE

- 8441** Agriculture & Environmental Systems *Year, 1 credit*
- 8442** Plant and Horticulture: *Year, 1 credit*

## HEALTH, EDUCATION & HUMAN SERVICES

- 8376** Personal Wellness and Development,  
*Semester, .5 credit*
- 8377** Principals of Nutrition and Wellness,  
*Semester, .5 credit*
- 8380** Principles of Food: *Semester, .5 credit*
- 8472** Child Development: *Semester, .5 credit*
- 8460** Introduction to Education:  
*Semester, .5 credit*
- 8430** Health Careers Foundation:  
*Semester, .5 credit*

## INFORMATION TECHNOLOGIES

- 8415** Intro to Programming, *Semester, .5 credit*
- 8309** Today's Technology: *Semester, .5 credit*
- 8545** 2D Game Design, *Semester, .5 credit*
- 85433** AP Computer Science Principles: *Year, 1 credit*

## SCIENCE

- 3434** Astronomy I: *Semester, .5 credit*
- 3444** AP Seminar, AP Research: *Year, 1 credit*

## WORLD LANGUAGES

- 3700** French I: *Year, 1 credit*
- 3701** French II: *Year, 1 credit*
- 3702** Honors French III: *Year, 1 credit*
- 3720** German I: *Year, 1 credit*
- 3721** German II: *Year, 1 credit*
- 3730** Spanish I: *Year, 1 credit*
- 3731** Spanish II: *Year, 1 credit*
- 3732** Honors Spanish III: *Year, 1 credit*
- 3726** Chinese I, *Year, 1 credit*
- 3727** Chinese II, *Year, 1 credit*
- 3728** Honors Chinese III, *Year, .5 credit*
- 3160** Test Preparation, *Semester, .5 credit*

# JUNIOR: Course Offerings

It is strongly recommended that students review the **Career Pathways** schedules and Pathway Electives online before beginning the scheduling process. Refer to the following course descriptions to finalize course selections.

A junior schedule should include the required courses listed below plus a minimum of 1.5 electives.

**Required Courses:** *American Literature, Math, Science.*

The following course descriptions are designed to assist in scheduling the junior year. Southview has a nine-period day. It is recommended that juniors take five courses with a lunch and study hall each semester. Open periods will be filled with an additional study hall.

Juniors may request an AM or PM flexible schedule. An AM flexible schedule will allow for a delayed starting time. A PM flexible schedule will allow for an early release time. With a flexible schedule option, the district is not responsible for transportation outside regular scheduled routes (see pages 36-37 for more details).

*Note: The school reserves the right to limit or cancel course offerings.*

## ENGLISH CURRICULUM

### 3124 AMERICAN LITERATURE

Year	Credit 1	Grade 11-12	Est. Fee \$35
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**Prerequisite:** *English 9 & 10*

This course is a study of well-known American authors with an emphasis on the historical context and American ideals presented in the literature. The program of study includes critical writing skills with an emphasis on organized, complete, analytical compositions, vocabulary development, and five major American novels. Students in American Literature must complete summer reading. Please check the school website for details.

### 3126 AP ENGLISH LANGUAGE AND COMPOSITION

Year	Credit 1	Grade 11-12	Est. Fee \$35
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**Prerequisite:** *English 9 & 10*

This course provides a college level study of the American literature primarily through the exploration of a variety of fiction and nonfiction works in the American literary canon. Special emphasis is placed on critical reading and writing about expository, argumentative, and analytical prose in order to prepare students for the English Language and Composition Exam administered in May. AP Language and Composition students must complete summer reading. Please check the school website for details.

## MATH CURRICULUM

**\*\*See Math Course Flow Chart pg 71**

### 3306 ALGEBRA I

Year	Credit 1	Grades 9-12
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Algebra I generalizes the concepts of arithmetic (addition, subtraction, multiplication, division) through the use of literal symbols. Students must develop the ability to reason abstractly. Topics include basic operations on signed numbers, fundamental concepts of exponents, factoring, solution of linear and quadratic equations. Algebra I is a prerequisite for such high school courses as modern geometry, chemistry and physics. It is strongly recommended a student have a TI-83, TI-83 Plus, or TI-84 calculator. Please see website for summer work assignments.

### 3308 GEOMETRY

Year	Credit 1	Grades 9-12
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**Prerequisite:** *Algebra I (2B) or Algebra I*

This course in modern geometry discusses the properties of plane and space figures. Among the figures discussed are the triangle, parallelogram, trapezoid and circle. Among the concepts taught are congruence, parallelism, perpendicularity, equality and area. It is expected that the student will learn how to use mathematical logic. Proofs are presented in a variety of ways with a concentration on formal two-column proofs. Students will discover geometry concepts in the math lab with the use of Geometer's Sketchpad to enhance the learning of postulates and theorems. It is strongly recommended a student have a TI-83, TI-83 Plus, or TI-84 calculator. Please see website for summer work assignments.

### 3300 INTERMEDIATE ALGEBRA

Year	Credit 1	Grades 11-12
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**Prerequisite:** *Geometry or Geometry (2B)*

**Not an NCAA approved course.**

Reviews topics from Algebra I and extends these topics to prepare students for Algebra II. Specific topics include: Solving linear equations and inequalities; solving quadratic equations using factoring, completing the square, quadratic formula, and graphical techniques; graphing not only linear functions, but quadratic, absolute value, radical, and exponential functions; applications of radical and rational functions; systems of equations and their applications; writing equations of lines based on given information or data collection extensions of simplifying techniques of exponents and polynomials. This course will use technology (computer programs, graphing calculators, and internet research) and more project based learning. Students are required to have a graphing calculator. Please see website for summer work assignments.

### 3312 ALGEBRA II

Year	Credit 1	Grades 10-12
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**Prerequisite:** *Algebra I (2B) or Algebra I and Modern Geometry (Reg., Honors or 2B)*

Algebra II studies the problems of Algebra I in greater depth and is a more sophisticated treatment of those problems. The content of the course ranges from simple abstract reasoning to the complexities of functions and probability. It is recommended that students have a "C" average or better in Algebra I and Modern Geometry. Students are required to purchase a TI-83, TI-83 Plus, or TI-84 graphing calculator for use in and out of class. Please see website for summer work assignments.

### 3313 HONORS ALGEBRA II

Year	Credit 1	Grades 10-12
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**Prerequisites:** *Algebra I and Modern Geometry*

This course is for selected students who have completed Algebra I and Geometry. The material parallels the regular Algebra II course but develops a more theoretical approach rather than a problem-solving approach. Modern terminology and notations are used extensively. Students are required to purchase a TI-83, TI-83 Plus, or TI-84 graphing calculator for use in and out of class. Please see website for summer work assignments.

### 3315 STATISTICS

Year	Credit 1	Grade 11-12
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**Prerequisite:** *Algebra II*

Statistics is a course that offers a change from a traditional math course. Although proficiency in algebra skills is needed, students will also learn to analyze and represent their answers graphically. Students will use real-world data (collected or given) to explore these specific topics: sampling techniques, probability, measures of central tendency, visual data descriptions using technology, hypothesis testing, and correlation and regression. Students will complete several writing and technology projects to reinforce the analysis of these real-world situations. Statistics may be taken as a student's lone math course or concurrently with any course after Algebra II.

### 3325 AP STATISTICS

Year Credit 1 Grade 11-12

**Prerequisite:** *Algebra II*

This college level course is for the student who desires all the knowledge of statistics above and beyond the general statistics class. The course provides instruction on four broad conceptual themes – Exploring Data, Sampling and Experimentation, Anticipating Patterns, and Statistical Inference. Students will draw connections between all aspects of the statistical process, including design, analysis, and conclusions. Students will learn how to communicate methods, results, and interpretations using the vocabulary of statistics and how to use graphing calculators and computers to enhance the development of statistical understanding. AP Statistics is for high achieving math students and may be taken as a student's lone math course or concurrently with any course after Algebra II.

### 3321 PRE-CALCULUS

Year Credit 1 Grades 11-12

**Prerequisites:** *Modern Geometry and Algebra II*

This course introduces the students to the trigonometric functions, polynomial functions, rational functions, logarithmic and exponential functions. The behavior of these functions and their inverses is studied in depth. The course is presented with a graphing point of view using graphing calculators. A TI-83, TI-83 Plus or TI-84 graphing calculator is required.

### 3320 HONORS PRE-CALCULUS

Year Credit 1 Grades 11-12

**Prerequisites:** *Modern Geometry and Algebra II*

This course studies in depth trigonometric, polynomial, rational, logarithmic and exponential functions and the inverses of these functions. This course will include chapter projects where the students will be required to explain solutions thoroughly in the form of essays. A graphing calculator point of view is used to present the concepts. A TI-83, TI-83 Plus or TI-84 graphing calculator is required.

## SCIENCE CURRICULUM

### 3421 AP BIOLOGY

Year Credit 1 Grades 11-12 Est. Fee: \$12  
7 periods per week

**Prerequisites:** *Physical Science or Physical Science Honors, Biology, Chemistry (concurrent) and teacher recommendation.*

**Student must have a non-programmable scientific calculator.**

This college level course is an in-depth study of molecular, cellular, organismal, and population biology. Selected laboratory activities, some requiring substantial outside research, may involve such topics as macromolecules, enzymes, photosynthesis, respiration, mineral nutrition, plant hormones, genetics, comparative plant and animal anatomy, microbiology and ecology. Topics, labs and tests prepare students for the AP Biology Exam in May.

### 3435 ENVIRONMENTAL SCIENCE

Year Credit 1 Grade 11-12 Est. Fee: \$10

**Prerequisite:** *Physical Science and Biology*

Environmental Science is a high school level course, which satisfies the Ohio Core science graduation requirements and engages students in asking valid scientific questions and gathering and analyzing information. It incorporates biology, chemistry, physics and physical geology. It uses real-world scenarios to examine the environmental impact of population growth on natural resources; mineral and resource extraction; water resource use and water pollution; air pollution and climate change; and conventional and sustainable energy supplies. Emphasis is placed on a holistic approach to environmental science using class discussions, laboratory exercises, and environmental surveys to reinforce scientific principles.

### 3419 AP ENVIRONMENTAL SCIENCE

Year Credit 1 Grade 11-12 Est. Fee \$10

**Prerequisite:** *Biology, Chemistry, and Algebra*

The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science. The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. A summer assignment outside of class is required. It is expected that all students will take the AP Exam.

### 3434 ASTRONOMY I

Semester Credit 1/2 Grades 10-12

**Prerequisite:** *Algebra I and Physical Science*

**Student must have a non-programmable scientific calculator.**

Astronomy I is a general survey course first introducing the student to the night sky, its many constellations, brighter stars and motions. The historical development of astronomical thought and our place in the Universe is the second major topic of study. The course concludes with a study of the moon, lunar exploration, planets, and other bodies in our solar system. The manned and unmanned exploration of the planets will also be discussed. Field trips to local planetariums and observing session (s) (weather permitting) are planned as parts of the course. Note: Availability of this course depends upon staffing constraints.

### 3420 BIOCHEMISTRY

Year Credit 1 Grades 11-12 Est. Fee: \$10

**Student must buy goggles (\$3 est.), and a combination lock (cost varies). Student must have a non-programmable scientific calculator.**

**Prerequisite:** *Physical Science*

Biochemistry is an integrated course combining chemistry and biology with the major emphasis on chemistry. It is designed for the 11th or 12th grade student who does not have the math prerequisite for Chem I. Topics include bio/medical applications, environmental technology, and engineering technology. It is an applications based course.

### 3415 APPLICATIONS OF BIOLOGY

Year Credit 1 Grades 11-12 Est. Fee: \$10

This course will be offered to juniors and seniors that do not intend to pursue a college degree in science. The following topics will be discussed throughout the year: Botany (9 weeks), Zoology (9 weeks), and Human Biology (18 weeks). A significant portion of this class will be held in a laboratory setting. Lab activities will include plant science, animal dissections, and various human biology simulations.

### 3416 FORENSIC SCIENCE

Year Credit 1 Grade 11-12 Est. Fee: \$10

**Prerequisite:** *Physical Science 9 and Biology*

Forensics is the rigorous application of science in the processing of physical evidence during criminal investigations. The field of forensic science uses analytical and empirical evidence to help support the legal system in its prosecution of the perpetrators of a crime. You will study the various principles and methods used in the sciences to evaluate evidence at a crime scene, ultimately using the evidence and your deductive reasoning skills to solve the crime. Sciences used in forensics include any discipline that can aid in the collection, preservation and analysis of evidence, such as chemistry, physics, or biology.

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### 3422 CHEMISTRY

Year Credit 1 Grades 10-12 Est. Fee: \$10  
Student must buy goggles (\$3 est.) and combination lock (cost varies).  
Student must have a non-programmable scientific calculator.

**Prerequisite:** *Physical Science, Algebra I*

Chemistry is a lab-lecture course. It includes topics such as atomic theory, bonding, periodic law, stoichiometry, kinetic molecular theory, gas laws, energy of reactions, solutions, equilibrium, oxidation and reduction, organic chemistry and qualitative analysis. Chemistry is designed for students who are (a) interested in a more rigorous chemistry course and/or (b) preparing for further study in science or a science-related field. (With permission of instructor, Chemistry may be taken concurrently with Biology as a sophomore.)

### 3431 HONORS CHEMISTRY

Year Credit 1 Grades 10-12 Est. Fee: \$10  
Student must buy goggles (\$3 est.) and combination lock (cost varies).

**Prerequisite:** *Algebra I, Physical Science, with teacher recommendation required*

**Corequisite:** *Algebra II*

*May be taken concurrently with Biology. (Instructor's approval required)* Student must have a non-programmable scientific calculator.

Honors Chemistry covers the same general topics as Chemistry but at an accelerated pace and greater depth. Students in Honors Chemistry must complete a summer packet. This is due at the start of the course in the fall. Each student should pick up a welcome letter from the instructor detailing the work required. This is also located on the course website (Mr. C's Honors Chemistry) at [www.moodle.sylvaniaschools.org](http://www.moodle.sylvaniaschools.org).

### 3423 AP CHEMISTRY

Year Credit 1 Grades 11-12 Est. Fee: \$15  
7 periods per week

Student must buy goggles (\$3 est.) and combination lock.

**Prerequisites:** *Science 9 (C and P), Chemistry I, Algebra I, Algebra II (can be taken concurrently), teacher recommendation*

Advanced Placement Chemistry is a study of the first year of college chemistry. The topics include those on the Advanced Placement Chemistry Test. Topics such as the structure of matter, kinetic-molecular theory of gases, chemical equilibria, chemical kinetics, and basic thermodynamics are presented. This is a rigorous, fast-paced chemistry course. The grades are based primarily on tests in conjunction with homework, quiz and laboratory grades. Students in AP Chemistry must complete a summer packet. This is due at the start of the course in the fall. Each student should pick up a welcome letter from the instructor detailing the work required. This is also located on the course website (Mr. C's AP Chemistry) at [www.moodle.sylvaniaschools.org](http://www.moodle.sylvaniaschools.org).

### 3430 ANATOMY AND PHYSIOLOGY

Year Credit 1 Grade 11-12 Est. Fee: \$15

**Prerequisite:** *Physical Science, Biology, Chemistry (can be taken concurrently)*

Student must have a non-programmable scientific calculator.

Anatomy and Physiology is the study of human structure and function. The course encompasses the structure, biochemical, and biophysical processes of cells, primary tissues, and the eleven body systems with associated organs. Lecture, cat dissection and selected laboratory investigations are the basic activities of the course. (This is a senior course—junior year only as a second science, and the first science must be chemistry or physics.)

### 3445 HONORS ANATOMY AND PHYSIOLOGY

Year Credit 1 Grade 11-12 Est. Fee: \$25

**Prerequisites:** *Physical Science, Biology, Chemistry and teacher recommendation*

Students must have a non-programmable scientific calculator.

Honors Anatomy and Physiology covers the same general topics as Anatomy and Physiology, but at an accelerated pace and in greater depth. It is the study of human structure and function. The course encompasses the structure, biochemical, and biophysical processes of cells, primary tissues, and the eleven body systems with associated organs. This course requires reading, writing, and oral expression, with an emphasis on higher level critical thinking skills. All students wanting to take CCP Anatomy and Physiology must enroll in this honors section. for grades 11-12

### 3425 PHYSICS

Year Credit 1 Grades 10-12 Est. Fee: \$10  
7 periods per week

**Prerequisites:** *Physical Science, Algebra II,*

**Corequisite:** *Precalculus or College Prep Math*

Student must have a non-programmable scientific calculator.

This first year course in Physics covers topics in mechanics and waves with additional work in thermodynamics and electricity as time permits. The main focus of the course will be laboratory work, conceptual development and problem solving. This course is designed for college-bound students.

### 3429 HONORS PHYSICS

Year Credit 1 Grades 11-12 Est. Fee: \$10

7 periods per week

**Prerequisites:** *Physical Science, Algebra II, teacher recommendation*

**Corequisite:** *Pre-calculus or Calculus*

Student must have a non-programmable scientific calculator.

This first year course in Physics is designed for the student who is planning on pursuing a career in a science, engineering or medical related field of study in college. Students who enroll in those programs of study are generally required to take a Physics course. Honors Physics would be the course to take in high school to prepare you for college physics. Coursework in Honors Physics will include the mechanics of motion, waves, sound, optics, and electricity. Extensive lab work, data analysis and problem solving are the main foci of the course.

### 3426 AP PHYSICS 1

Year Credit 1 Grade 11-12 Est. Fee \$10

7 periods a week

**Corequisite:** *Honors Precalculus and a teacher recommendation*

AP Physics 1 will cover the same content as described by the College Board to prepare for the AP Physics 1 exam. According to the College Board: AP Physics 1 is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits.

### 3444 AP SEMINAR

Year Credit 1 Grade 10-11

**Prerequisite:** *Honors Science 9 and Honors English 9 or Teacher Approval*

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.

### 3444 AP RESEARCH

Year Credit 1 Grade 11-12

**Prerequisites:** *AP Seminar and teacher recommendation*

AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000-5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.



# **SOCIAL STUDIES CURRICULUM**

## **3209 WORLD WAR II**

**Semester**      **Credit ½**      **Grades 11 – 12**

Students will investigate the political, social, military, and cultural history of World War II and the Holocaust. Students will explore the origins and course of the war in both the European and Pacific Theater. In addition, students will examine major political figures important to the war; the tactics and technology used during combat; the military history of major battles like Stalingrad and Iwo Jima; and the social impact of the war on civilians both on the home front and those living in conquered regions. Students will also explore the history of the Holocaust through an in-depth look at Auschwitz and through a collection of resources and activities from the United States Holocaust Memorial Museum. The overall theme of understanding genocide to prevent/stop it in today's world is also examined.

## **3210 PSYCHOLOGY**

**Semester** **Credit ½**      **Grades 11-12**

This is a survey class that offers an overview of major themes in Psychology. Topics include; research methods and history, abnormal behavior, states of consciousness, learning, memory, personality and development. Students explore topics through outside research, reports and class presentations. This course requires both written and oral expression with an emphasis on higher level critical thinking skills.

## **3212 AP PSYCHOLOGY**

**Year**      **Credit 1**      **Grade 11-12**

*Prerequisites: Overall GPA of 3.5 and/or teacher recommendation.*

AP Psychology is designed to prepare students for the AP National Psychology Exam. It is equivalent to an introductory college course in psychology. The course receives honors credit. Students who successfully complete the national exam may receive and advance placement and/or waiving of course work at the university level. All areas of psychology are covered. This includes but is not limited to; history and methodology, biological basis of behavior, states of consciousness, learning and cognition, memory, personality, sensation and perceptions, motivation, social psychology abnormal psychology and child development. Students are expected to complete a considerable amount of reading in the text and supplemental materials. This course requires students to synthesize and evaluate all material presented through both oral and written format. There is a heavy emphasis on study skills and genuine class participation in activities and discussion. Space preference will go to students who have not already taken a regular Psychology course.

## **3205 SOCIOLOGY**

**Semester**      **Credit ½**      **Grades 11-12**

This course will study the causes and effects of social problems in society with an emphasis on discussion and research. Students will investigate topics such as social groups; norms of society; poverty; deviant behavior; the family; aging; and crime as those issues have been considered in the past as well as their impact on today's world. Students will have an opportunity to design and conduct sociological research with encouragement to propose solutions to those problems of society they investigate.

## **3222 GLOBAL STUDIES CAPSTONE**

**Semester**      **Credit ½**      **Grades 11-12**

*Prerequisite: Completion of first 2 Global Studies Diploma badges*

The Global Studies Capstone course provides support and guidance to students completing the capstone portion of the Global Studies Diploma program. Students will work with an advisor to apply their accumulated skills and knowledge from participation in the Global Studies Diploma program in a constructive and positive way. Capstone projects will be designed by students based on their interests and will help students complete the "Action" badge of the Global Studies Diploma.

## JUNIOR: Electives

### ARTS & COMMUNICATION

- 3740** Art Foundations: *Year, 1 credit*
- 3739** Art Appreciation, *Semester, .5 credit*
- 3742** AP Art History, *Year, 1 credit*
- 3743** 2D Design—Drawing/Painting: *Year, 1 credit*
- 4746** 3D Design—Ceramics/Sculpture: *Year, 1 credit*
- 4748** 3D Design—Metals: *Year, 1 credit*
- 3747** 2D-Advanced Studio/Senior Studio: *Year, 1 credit*
- 3746** 3D-Advanced Studio/Senior Studio: *Year, 1 credit*
- 8446** Computer Graphic Design I, *Semester, .5 credit*
- 8448** Computer Graphic Design II, *Semester, .5 credit*
- 8598** Intro to Visual Technology, *.5 credit*
- 8599** Careers in Visual Technology, *.5 credit*
- 8607** Visual Communications Design I: *Year, 2 credits*
- 3103** Oral Communications: *Semester, .5 credit*
- 3104** Honors Oral Communication: *Semester, .5 credit*
- 3105** Oral Communications II *Semester, .5 credit*
- 3113** Drama I: *Semester, .5 credit*
- 3132** Honors Drama: *Semester, .5 credit*
- 3114** Theatre Workshop: *Semester, .5 credit*
- 3128** Journalism: *Year, 1 credit*
- 3129** Yearbook: *Year, 1 credit*

#### Music

- 3770** Band/Marching, Concert, Symphonic: *Year, 1 credit*
- 3750** Auxiliary Band: *9 Weeks, .5 credit*
- 3763** Jazz Band: *Year, .25 credit*
- 3751** Orchestra/Honors: *Year, 1 credit*
- 3764** A Cappella/Honors: **(NV)** *Year, 1 credit*
- 3759** Symphonic Choir: *Year, 1 credit*

### BUSINESS & MANAGEMENT

- 8311** Software Applications: **(NV)** *Semester, .5 credit*
- 8313** Intro to Marketing: *Semester, .5 credit*
- 8419** Money Management: *Semester, .5 credit*
- 8314** Business Technology I: *Year, 2 credits*
- 8610** Financial Management I: *Year, 2 credits*

### ENGINEERING & INDUSTRIAL

- 8394** Engineering Applications: *Semester, .5 credit*
- 8392** Engineering Design: *Semester, .5 credit*
- 8396** Introduction to Alternative Energy:  
*Semester, .5 credit*
- 8398** Computer Aided Design *Semester, .5 credit*
- 8399** Green Systems and Design, *Year, 1 credit*
- 8391** Robotics Technology, *Year, 1 credit*
- 8485** Engineering I: *Year, 2 credits*
- 8489** Construction I: *Year, 3 credit*

### ENVIRONMENTAL & AGRICULTURE

- 8433** Horticulture I: *Year, 2 credits*

## HEALTH, EDUCATION & HUMAN SERVICES

- 8376** Personal Wellness and Development,  
*Semester, .5 credit*
- 8377** Principals of Nutrition and Wellness,  
*Semester, .5 credit*
- 8378** Career and College Readiness, *Semester, .5 credit*
- 8472** Child Development: *Semester, .5 credit*
- 8379** Culinary Fundamentals, *Year, 1 credit*
- 8380** Food Science, *Semester, .5 credit*
- 8364** Education in Training: **(NV)** *Year, 3 credits*
- 8351** Cosmetology I: **(NV)** *Year, 4 credits*
- 8331** Medical Technology I: **(NV)** *Year, 2 credits*

### INFORMATION TECHNOLOGIES

- 8309** Today's Technology: *Semester, .5 credit*
- 8545** 2D Game Design, *Semester, .5 credit*
- 85433** AP Computer Science Principles: *Year, 1 credit*
- 8541** Honors Programming: *Year, 2 credit*
- 8505** Interactive Media I: **(NV)** *Year, 2 credit*
- 8546** Honors Computer Programming I **(NV)**:  
*Year, 2 Credits*

### SCIENCE

- 3444** AP Seminar: *Year, 1 credit*
- 3444** AP Research: *Year, 1 credit*
- 3430** Anatomy: *Year, 1 credit*
- 3444** Honors Anatomy: *Year, 1 credit*
- 3435** Environmental Science: *Year, 1 credit*
- 3419** AP Environmental Science: *Year, 1 credit*
- 3416** Forensic Science: *Year, 1 credit*
- 3426** AP Physics 1, *Year, 1 credit*
- 3441** Honors Research Methods in Science IV  
*Year, 1 credit*

### SOCIAL STUDIES

- 3221** Psychology: *Semester, .5 credit*
- 3212** AP Psychology: *Year, 1 credit*
- 3205** Sociology: *Semester, .5 credit*
- 3209** World War II: *Semester, .5 credit*
- 3222** Global Studies Capstone: *Semester, .5 credit*

### WORLD LANGUAGES

- 3700** French I: *Year, 1 credit*
- 3701** French II: *Year, 1 credit*
- 3702** Honors French III: *Year, 1 credit*
- 3705** Honors French IV: *Year, 1 credit*
- 3720** German I: *Year, 1 credit*
- 3721** German II: *Year, 1 credit*
- 3722** Honors German III: *Year, 1 credit*
- 3730** Spanish I: *Year, 1 credit*
- 3731** Spanish II: *Year, 1 credit*
- 3732** Honors Spanish III: *Year, 1 credit*
- 3735** Honors Spanish IV: *Year, 1 credit*
- 3726** Chinese I, *Year, 1 credit*
- 3727** Chinese II, *Year, 1 credit*
- 3728** Honors Chinese III, *Year, .5 credit*
- 3160** Test Preparation, *Semester, .5 credit*

# SENIOR: Course Offerings

It is strongly recommended that students review the **Career Pathways** schedules and Pathway Electives online before beginning the scheduling process. Refer to the course descriptions below to finalize course selections.

A senior schedule should include the required courses listed below plus electives.

**Required Courses: Full-year courses in English, Math, and Government.**

The following course descriptions are designed to assist in scheduling the senior year. Southview has a nine-period day. It is recommended that Seniors take five courses with a lunch and study hall each semester. Open periods will be filled with an additional study hall.

Seniors may request an AM or PM flexible schedule. An AM flexible schedule will allow for a delayed starting time. A PM flexible schedule will allow for an early release time. With a flexible schedule option, the district is not responsible for transportation outside regular scheduled routes (see pages 36-37 for more details).

*Note: The school reserves the right to limit or cancel course offerings.*

## ENGLISH CURRICULUM

### 31511 SENIOR HUMANITIES

**Full year      Credit: 1      Grade: 12      Est. fee: \$35**

*Prerequisite: English 9, English 10, American Literature*

Senior Humanities is a college preparatory class that explores the connections between literature, philosophy, history visual and musical arts. Critical and analytical skills will be employed to evaluate the effects of Eastern and Western thought, culture and tradition on society and the world. Writing experiences for this course will connect literature to the humanities through exposition, research and persuasive essays. Supplemental texts are required and must be purchased or supplied by the student. A summer reading, located on the Southview website at [www.sylvaniasouthview.org](http://www.sylvaniasouthview.org) is required for this course.

### 31515 COLLEGE AND CAREER ENGLISH

**Full year      Credit: 1      Grade: 12      Est. fee: \$35**

*Prerequisite: English 9, English 10, American Literature*

This course helps students develop the skills necessary to research, interpret and display information for documents relevant to both college and workplace writing. Students will practice clear and concise communication in a variety of media formats. The course is highly recommended for students with an interest in the following majors and career fields: science and engineering, business systems and finance, law enforcement and public safety and health and human services.

### 3135 AP LITERATURE AND COMPOSITION

**Year      Credit 1      Grade 12      Est. Fee \$35**

**Prerequisites: English 9,10, and 11**

AP English provides students with an in-depth look at techniques of critical analysis while exposing them to a variety of the world's great literature. A composition workshop allows students to analyze the strengths and weaknesses of their personal writing style. This course is designed for students who want the challenge of college level work. Note that students taking AP English are required to complete the following summer readings: *The Fountainhead* (Rand); *Never Let Me Go* (Ishiguro); and *How to Read Literature like a Professor* (Foster).

### 3126 AP ENGLISH LANGUAGE AND COMPOSITION

**Year      Credit 1      Grade 11-12      Est. Fee \$35**

*Prerequisite: English 9 & 10*

This course provides a college level study of the American literature primarily through the exploration of a variety of fiction and nonfiction works in the American literary canon. Special emphasis is placed on critical reading and writing about expository, argumentative, and analytical prose in order to prepare students for the English Language and Composition Exam administered in May. Note that students taking AP English are to complete summer reading. Please check the website for details.

### 31513 CREATIVE FOCUS

**Full year      Credit: 1      Grade: 12      Est. fee: \$35**

*Prerequisite: English 9, English 10, American Literature*

This course provides students an opportunity to read, research and create literature that interests them. Students will research a genre; read a variety of student-selected texts within the genre; research analyze and argue the subtleties of genre-specific writing styles and then synthesize findings in a variety of assignments including short story, poetry, personal narrative essays and multimedia presentations. Students will also study the nuances of fiction including sensory language, figurative language, concrete detail, purposeful dialogue, dialogue punctuation, world-building, indirect and direct characterization, specific word choice, theme, mechanics, grammar, usage, vocabulary and style. Analysis, narrative and argument writings will follow MLA format guidelines, while short story and poetry will follow industry formats. The course will culminate with a publishing unit where students research publishing avenues, write query letters and compose a one-page synopsis.

## MATH CURRICULUM

**\*\*See Math Course Flow Chart pg 71**

### 3308 GEOMETRY

**Year      Credit 1      Grades 9-12**

*Prerequisite: Algebra I (2B) or Algebra I*

This course in modern geometry discusses the properties of plane and space figures. Among the figures discussed are the triangle, parallelogram, trapezoid and circle. Among the concepts taught are congruence, parallelism, perpendicularity, equality and area. It is expected that the student will learn how to use mathematical logic. Proofs are presented in a variety of ways with a concentration on formal two-column proofs. Students will discover geometry concepts in the math lab with the use of Geometer's Sketchpad to enhance the learning of postulates and theorems. It is strongly recommended a student have a TI-83, TI-83 Plus, or TI-84 calculator. Please see website for summer work assignments.

### 3300 INTERMEDIATE ALGEBRA

**Year      Credit 1      Grades 11-12**

*Prerequisite: Geometry or Geometry (2B)*

*Not an NCAA approved course.*

Reviews topics from Algebra I and extends these topics to prepare students for Algebra II. Specific topics include: Solving linear equations and inequalities; solving quadratic equations using factoring, completing the square, quadratic formula, and graphical techniques; graphing not only linear functions, but quadratic, absolute value, radical, and exponential functions; applications of radical and rational functions; systems of equations and their applications; writing equations of lines based on given information or data collection extensions of simplifying techniques of exponents and polynomials. This course will use technology (computer programs, graphing calculators, and internet research) and more project based learning. Students are required to have a graphing calculator. Please see website for summer work assignments.

### 3312 ALGEBRA II

Year Credit 1 Grades 10-12

**Prerequisite:** *Algebra I (2B) or Algebra I and Modern Geometry (Reg., Honors or 2B)*

Algebra II studies the problems of Algebra I in greater depth and is a more sophisticated treatment of those problems. The content of the course ranges from simple abstract reasoning to the complexities of functions and probability. It is recommended that students have a “C” average or better in Algebra I and Modern Geometry. Students are required to purchase a TI-83, TI-83 Plus, or TI-84 graphing calculator for use in and out of class. Please see website for summer work assignments.

### 3313 HONORS ALGEBRA II

Year Credit 1 Grades 10-12

**Prerequisites:** *Algebra I and Modern Geometry*

This course is for selected students who have completed Algebra I and Geometry. The material parallels the regular Algebra II course but develops a more theoretical approach rather than a problem-solving approach. Modern terminology and notations are used extensively. Students are required to purchase a TI-83, TI-83 Plus, or TI-84 graphing calculator for use in and out of class. Please see website for summer work assignments.

### 3321 PRE-CALCULUS

Year Credit 1 Grades 11-12

**Prerequisites:** *Modern Geometry and Algebra II*

This course introduces the students to the trigonometric functions, polynomial functions, rational functions, logarithmic and exponential functions. The behavior of these functions and their inverses is studied in depth. The course is presented with a graphing point of view using graphing calculators. A TI-83, TI-83 Plus or TI-84 graphing calculator is required.

### 3320 HONORS PRE-CALCULUS

Year Credit 1 Grades 11-12

**Prerequisites:** *Modern Geometry and Algebra II*

This course studies in depth trigonometric, polynomial, rational, logarithmic and exponential functions and the inverses of these functions. This course will include chapter projects where the students will be required to explain solutions thoroughly in the form of essays. A graphing calculator point of view is used to present the concepts. A TI-83, TI-83 Plus or TI-84 graphing calculator is required.

### 3316 HONORS CALCULUS

Year Credit 1 Grade 12

**Prerequisite:** *Pre-Calculus*

This course is for the student willing to work hard to gain knowledge of calculus prior to entering college but without the pressure and time constraints placed on the AP course. Topics included limits, functions (special attention given to polynomial, trigonometric and other transcendentals), differentiation, integration and applications of these concepts. Students should be confident in their knowledge of algebra and trigonometry. A TI-83, TI-83 Plus or TI-84 graphing calculator is required. Please see website for summer work assignments.

### 3317 AP CALCULUS AB

Year Credit 1 Grade 12

**Prerequisite:** *Pre-Calculus*

This college level course is for the student with a solid knowledge of Algebra II and trigonometry. Topics included limits, functions (special attention given to polynomial, trigonometric and other transcendentals), differentiation, integration and applications of these concepts. Course work is intended to be covered by early April to allow time for review for the AP exam. It is recommended that students have higher than a 3.0 average in all previous math courses. A TI-83, TI-83 Plus or TI-84 graphing calculator is required. Please see website for summer work assignments.

### 3323 AP CALCULUS BC

Year Credit 1 Grade 12

**Prerequisite:** *Honors Precalculus with teacher recommendation*

AP Calculus BC includes the concepts listed for AP Calculus AB, but because students are required to have taken Honors Precalculus (which includes some introductory calculus concepts), BC covers several additional topics that are not part of the AB course. These topics include: differentiation and integration of parametric, polar, and vector functions; simple partial fractions; improper integrals; solving logistic differential equations; polynomial approximations and series; and additional applications of derivatives and integrals. AP Calculus BC is not designed to follow AB as approximately 60% of the BC curriculum is covered in AB. Students must have an AP approved graphing calculator. Summer work is required for this course.

### 3314 COLLEGE PREP. MATHEMATICS

Year Credit 1 Grade 12

**Prerequisite:** *Algebra II*

This course prepares students for a college of business mathematics requirement. It is **not** an alternative for the pre-calculus advanced mathematics courses for math, science, engineering, or computer science majors. The course will include business applications of mathematical models used within other business courses such as marketing, economics and statistics. The mathematics will be rigorous with applications of Algebra I and Algebra II. A TI-83, TI-83 Plus or TI-84 graphing calculator is required.

### 3315 STATISTICS

Year Credit 1 Grade 11-12

**Prerequisite:** *Algebra II*

Statistics is a course that offers a change from a traditional math course. Although proficiency in algebra skills is needed, students will also learn to analyze and represent their answers graphically. Students will use real-world data (collected or given) to explore these specific topics: sampling techniques, probability, measures of central tendency, visual data descriptions using technology, hypothesis testing, and correlation and regression. Students will complete several writing and technology projects to reinforce the analysis of these real-world situations. Statistics may be taken as a student's lone math course or concurrently with any course after Algebra II.

### 3323 AP CALCULUS BC

Year Credit 1 Grade 12

**Prerequisite:** *Honors Precalculus with teacher recommendation*

AP Calculus BC includes the concepts listed for AP Calculus AB, but because students are required to have taken Honors Precalculus (which includes some introductory calculus concepts), BC covers several additional topics that are not part of the AB course. These topics include: differentiation and integration of parametric, polar, and vector functions; simple partial fractions; improper integrals; solving logistic differential equations; polynomial approximations and series; and additional applications of derivatives and integrals. AP Calculus BC is not designed to follow AB as approximately 60% of the BC curriculum is covered in AB. Students must have an AP approved graphing calculator. Summer work is required for this course.

### 3325 AP STATISTICS

Year Credit 1 Grade 11-12

**Prerequisite:** *Algebra II*

This college level course is for the student who desires all the knowledge of statistics above and beyond the general statistics class. The course provides instruction on four broad conceptual themes – Exploring Data, Sampling and Experimentation, Anticipating Patterns, and Statistical Inference. Students will draw connections between all aspects of the statistical process, including design, analysis, and conclusions. Students will learn how to communicate methods, results, and interpretations using the vocabulary of statistics and how to use graphing calculators and computers to enhance the development of statistical understanding. AP Statistics is for high achieving math students and may be taken as a student's lone math course or concurrently with any course after Algebra II.



# SOCIAL STUDIES CURRICULUM

## 3215 AMERICAN GOVERNMENT

Year Credit 1 Grade 12

This is a required course for all seniors who are not in the AP course in American Government. This course will examine the three branches of government (executive, legislative and judicial) at the national, state and local levels from a historical as well as contemporary viewpoint. In addition, an in-depth study of voter behavior and political campaigns will be examined in relation to primary and/or general elections being held at the same time.

## 3216 AP UNITED STATES GOVERNMENT & POLITICS

Year Credit 1 Grade 12

This course is a survey study equivalent to the demands of an introductory college course in American Government. The course receives honors credit, and those students who successfully complete the AP test may receive advanced placement and/or waiving of course work by some colleges. This course is concerned with the nature of the American political system, its development over the past two hundred years and how it works today. Students will examine in some detail the principal processes and institutions through which the political system functions, as well as some of the public policies that these institutions establish and how they are implemented. Students will be expected to complete a considerable amount of reading including texts and paperbacks. Students should be able to express themselves well both orally and in writing. They will complete several researched based papers as well as a multitude of projects. Admission to the class will be based upon teacher recommendation, meeting the department standards for advanced placement work (including grade average, possible testing and interview by the teacher).

## 3222 GLOBAL STUDIES CAPSTONE

Semester Credit 1/2 Grades 11-12

**Prerequisite:** *Completion of first 2 Global Studies Diploma badges*

The Global Studies Capstone course provides support and guidance to students completing the capstone portion of the Global Studies Diploma program. Students will work with an advisor to apply their accumulated skills and knowledge from participation in the Global Studies Diploma program in a constructive and positive way. Capstone projects will be designed by students based on their interests and will help students complete the "Action" badge of the Global Studies Diploma.

# SENIOR: Electives:

## ARTS & COMMUNICATION

- 3740** Art Foundations: *Year, 1 credit*
- 3739** Art Appreciation, *Semester, .5 credit*
- 3742** AP Art History, *Year, 1 credit*
- 3743** 2D Design—Drawing/Painting *Year 1 credit*
- 4746** 3D Design—Ceramics/Sculpture: *Year, 1 credit*
- 4748** 3D Design—Metals: *Semester, 1 credit*
- 3747** 2D-Advanced Studio/Senior Studio: *Year, 1 credit*
- 3746** 3D-Advanced Studio/Senior Studio: *Year, 1 credit*
- 8446** Computer Graphic Design I, *Semester, .5 credit*
- 8448** Computer Graphic Design II, *Semester, .5 credit*
- 8598** Intro to Visual Technology, *Semester, .5 credit*
- 8599** Careers in Visual Technology, *Semester, .5 credit*
- 8607** Visual Communications Design I: *Year, 2 credits*
- 8608** Visual Communications Design II: *Year, 2 credits*
- 3103** Oral Communications: *Semester, .5 credit*
- 3104** Honors Oral Communication: *Semester, .5 credit*
- 3105** Oral Communications II *Semester, .5 credit*
- 3113** Drama I: *Semester, .5 credit*
- 3132** Honors Drama: *Semester, .5 credit*
- 3114** Theatre Workshop: *Semester, .5 credit*
- 3128** Journalism: *Year, 1 credit*
- 3129** Yearbook: *Year, 1 credit*

## Music

- 3770** Band/Marching, Concert, Symphonic: *Year, 1 credit*
- 3750** Auxiliary Band: *9 Weeks, .5 credit*
- 3763** Jazz Band: *Year, .25 credit*
- 3751** Orchestra/Honors: *Year, 1 credit*
- 3764** A Cappella/Honors: (NV) *Year, 1 credit*
- 3759** Symphonic Choir: *Year, 1 credit*
- 3776** Women's Chorus, *1 credit*

## BUSINESS & MANAGEMENT

- 8311** Software Applications: (NV) *Semester, .5 credit*
- 8313** Intro to Marketing: *Semester, .5 credit*
- 8419** Money Management: *Semester, .5 credit*
- 8315** Business Technology II: *Year, 2 credits*
- 8611** Financial Management II: *Year, 2 credits*

## ENGINEERING & INDUSTRIAL

- 8396** Introduction to Alternative Energy *Semester, .5 credit*
- 8398** Computer Aided Design *Semester, .5 credit*
- 8399** Green Systems and Design, *Year, 1 credit*
- 8488** Engineering II: *Year, 2 credits*
- 8490** Construction II: *Year, 3 credits*

## ENVIRONMENTAL & AGRICULTURE

- 8434** Horticulture II: *Year, 2 credits*

## SENIOR: Electives (continued):

### HEALTH, EDUCATION & HUMAN SERVICES

- 8376** Personal Wellness and Development,  
*Semester; .5 credit*
- 8377** Principals of Nutrition and Wellness,  
*Semester; .5 credit*
- 8472** Child Development: *Semester; .5 credit*
- 8378** Career and College Readiness, *Semester; .5 credit\**
- 8379** Culinary Fundamentals , *Year; 1 credit*
- 8380** Food Science, *Semester; .5 credit*
- 8367** Education & Training II: *Year; 3 credits*
- 8355** Cosmetology II: (NV) *Year; 4 credits*
- 8338** Medical Technology II: (NV) *Year; 3 credits*

### INFORMATION TECHNOLOGIES

- 8394** Engineering Applications: *Semester; .5 credit*
- 8392** Engineering Design: *Semester; .5 credit*
- 8309** Today's Technology: *Semester; .5 credit*
- 8545** 2D Game Design, *Semester; .5 credit*
- 85433** AP Computer Science Principles: *Year; 1 credit*
- 85422** Honors Computer Programming, *Year; 2 credit*
- 8506** Interactive Media II: (NV) *Year; 2 credit*

### SCIENCE

- 3421** AP Biology: *Year; 1 credit*
- 3435** Environmental Science: *Year; 1 credit*
- 3419** AP Environmental Science: *Year; 1 credit*
- 3430** Anatomy & Physiology: *Year; 1 credit*
- 3430** Anatomy: *Year; 1 credit*
- 3444** Honors Anatomy: *Year; 1 credit*
- 3434** Astronomy I: *Semester; .5 credit*
- 3437** Astronomy II: (NV) *Semester; .5 credit*
- 3422** Chemistry: *Year; 1 credit*
- 3431** Honors Chemistry: *Year; 1 credit*
- 3423** AP Chemistry: *Year; 1 credit*
- 3425** Physics: *Year; 1 credit*
- 3429** Honors Physics: *Year; 1 credit*
- 3426** AP Physics 1: *Year; 1 credit*
- 3416** Forensic Science: *Year; 1 credit*
- 3444** AP Seminar: *Year; 1 credit*
- 3444** AP Research: *Year; 1 credit*
- 3441** Honors Research Methods in Science IV  
*Year; 1 credit*

### SOCIAL STUDIES

- 3221** Psychology: *Semester; .5 credit*
- 3212** AP Psychology: *Year; 1 credit*
- 3205** Sociology: *Semester; .5 credit*
- 3209** World War II: *Semester; .5 credit*
- 3222** Global Studies Capstone: *Semester; .5 credit*

### WORLD LANGUAGES

- 3700** French I: *Year; 1 credit*
- 3701** French II: *Year; 1 credit*
- 3702** Honors French III: *Year; 1 credit*
- 3705** Honors French IV: *Year; 1 credit*
- 3706** AP French V: *Year; 1 credit*
- 3720** German I: *Year; 1 credit*
- 3721** German II: *Year; 1 credit*
- 3722** Honors German III: *Year; 1 credit*
- 3723** Honors German IV: *Year; 1 credit*
- 3730** Spanish I: *Year; 1 credit*
- 3731** Spanish II: *Year; 1 credit*
- 3732** Honors Spanish III: *Year; 1 credit*
- 3735** Honors Spanish IV: *Year; 1 credit*
- 3736** AP Spanish V: *Year; 1 credit*
- 3726** Chinese I, *Year; 1 credit*
- 3727** Chinese II, *Year; 1 credit*
- 3728** Honors Chinese III, *Year; .5 credit*



# Southview High School Art Department

Computer Graphic Design I  
.5 credit

Computer Graphic Design II  
.5 credit

Art Foundations  
1 credit

AP Art History  
1 credit

Art  
Appreciation  
1/2 credit

2D Design  
Drawing/Painting  
1 credit

3D Design  
Metal/Jewelry  
1 credit

3D Design  
Ceramics/Sculpture  
1 credit

2D—Advanced  
Studio/Senior Studio  
*\*Students may take this class as an  
Advanced Studio for one year and  
then as Senior Studio the following  
year.*  
1 credit

3D—Advanced  
Studio/Senior Studio  
*\*Students may take this class as an  
Advanced Studio for one year and  
then as Senior Studio the following  
year.*  
1 credit

3D—Advanced  
Studio/Senior Studio  
*\*Students may take this class as an  
Advanced Studio for one year and  
then as Senior Studio the following  
year.*  
1 credit

## ART

### 3740 ART FOUNDATIONS

**Year**      **Credit 1**      **Grades 9-12**      **Est. Fee \$27**  
Creativity, problem-solving and critical thinking skills are the basis for most careers and activities. Art Foundations builds and strengthens these skills for the future. This class is designed for all students. No previous experience is required and all skills are taught in class. There are projects for everyone! Projects will include drawing, painting, clay, sculpture, printmaking, design and many more. This class is a prerequisite for future art classes. Project based lessons will explore the elements of art and principles of design as well as various conceptual ideas that allow a breath of creativity and individual expression from each student.

[Return to course offering page: 9, 10, 11, 12](#)

### 3742 AP ART HISTORY

**Year**      **Credit 1**      **Grades 9-12**  
This course gives students the opportunity to study art history through the ages. Students will use critical thinking to examine and analyze major forms of artistic expression from diverse cultures and understand their contributions to the arts. A variety of art media and styles will be studied as the students look at architecture, manuscripts, painting, drawing, printmaking and sculpture, as a reflection of a given civilization and time period. This course uses a combination of materials such as, selected readings, visual presentations, research papers, educational videos, and museum visits. Students' active participation and discussions related to reading assignments and slide show lectures are required for the class. Students learn to write about art using a specialized vocabulary to describe and critically analyze works of art.

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### 3741 ART APPRECIATION

**Semester**      **Credit: .5**      **Grades: 9-12**      **Est Fee \$16**

Art appreciation is an introduction to contemporary art created for students to explore art for one semester. This class is a combination of art history, theory and criticism for the past century and art making using various styles and techniques of the past century. Students will write and talk about art as well as create art. Using elements and principles of art students will work individually and collaboratively to make interesting and thoughtful artwork. Projects will include (in part) collaboration, digital exploration, sculpture, painting, mixed media, history and theory. This class is open to all students and can be taken as a stepping stone to art foundations or as an extra art class at any time.

### 3743 2D DESIGN—DRAWING/PAINTING

**Year**      **Credit 1**      **Grades 10-12**      **Est. Fee \$35**

*Prerequisite: Art Foundations*

This course is designed for students who are interested in the exploring and gaining a better understanding of the two-dimensional arts. One semester will focus on the fundamentals of drawing, and the other will focus on painting. Students will experiment with pencil, charcoal, colored pencil, pastels, and scratchboard in the first semester. The second semester will include the exploration of watercolor, tempera, acrylics, and oils.

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#### 4746 3D DESIGN—CERAMICS/SCULPTURE

Year Credit 1 Grades 10-12 Est. Fee \$40

*Prerequisite: Art Foundations*

This course provides a hands-on opportunity for students to learn techniques to build sculptures with a wide variety of materials and express themselves, their views, and their opinions in a creative and thoughtful way. Sculptures can range from table top size to life size and include materials such as clay, wood, metal, foam, plaster, and any recycled or found objects. Techniques include relief, coil and slab-built clay, additive and subtractive techniques, as well as assemblage methods.

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#### 4748 3D DESIGN—METALS

Year Credit 1 Grades 10-12 Est. Fee \$40

1 period per day

This class is designed for students who would like to design and create their own metal works and jewelry pieces. Students will learn to make various types of adornment such as rings, necklaces, pins, and bracelets using metals such as silver, nu gold, pewter, nickel, silver, copper, and clay. Students will explore techniques of fabrication, cutting, piercing, sawing, soldering, and enameling.

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#### 8446 COMPUTER GRAPHIC DESIGN I

Semester Credit 1/2 Grades 9-12 Est. Fee \$20

In CGD you can learn the basic art and design skills it takes to go into the field of Computer Graphics and Visual Communications. In this introductory class, you can create and print images that focus on each of the Elements of Art and Principles of Design, all on a computer running state of the art software. Computer Graphic Design I is a class designed for technically-minded students who wish to develop the art skills needed to be a designer of any kind. Students also study art history and aesthetics to further develop their understanding and appreciation of visual media. Computer experience is recommended but not required.

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#### 8448 COMPUTER GRAPHIC DESIGN II

Semester Credit 1/2 Grades 9-12 Est. Fee \$30

*Prerequisite: Computer Graphic Design I*

In this advanced class, you can continue to explore the field of Computer Art and Illustration on the latest Adobe software. You can work with: Advanced topics in printing and scanning, such as color management and high resolution print media; development of page-layouts that combine text and graphics; further development of digital photography skills; further exploration in computer based commercial art and fine art; and advanced techniques in Illustrator and Photoshop.

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#### 3747 2D—ADVANCED STUDIO / SENIOR STUDIO

Semester Credit 1 Grades 11-12 Est. Fee \$40

2 periods per day

Fee Depends on area of study

*Prerequisite: Art Foundations, first year of study in chosen area, & Teacher Recommendation*

This course is designed for students who have an above-average interest and ability in art and are serious about continuing to improve their art skills develop a personal style. Students can take this class as an intermediate level of the 2D media such as drawing, painting, and mixed media. More sophisticated techniques in drawing, painting, and mixed media will be introduced as well. Seniors who are fourth year art students can take this class as an advanced level of their previously taken art discipline to work on their personal portfolios.

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#### 3746 3D—ADVANCED STUDIO / SENIOR STUDIO

Semester Credit 1 Grades 11-12 Est. Fee \$40

2 periods per day

Fee Depends on area of study

*Prerequisite: Art Foundations, first year of study in chosen area, & Teacher Recommendation*

This course is designed for students who are serious about continuing to improve their art skills as well as develop a personal style in the media of their choice. Students can take this class as an intermediate level of the 3D media, such as ceramics, sculpture and metals. More sophisticated techniques in sculpture, metals, and ceramics will be introduced. This class also introduces ceramic wheel-throwing. Seniors who are fourth year art students can take this class as an advanced level of their previously taken art discipline to work on their personal portfolios.

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## ARTS & COMMUNICATIONS PATHWAY

#### 8598 INTRODUCTION TO VISUAL TECHNOLOGY

Semester Credit 1/2 Grades 9-12 Est. Fee \$20

In IVT you can learn the basic art and design skills it takes to go into the field of Computer Graphics and Visual Communications. In this introductory class, you can create and print images that focus on each of the Elements of Art and Principles of Design, all on a computer running state of the art software. Introduction to Visual Technology is a class designed for technically-minded students who wish to develop the skills needed in today's visual driven world. Students also study art history and aesthetics to further develop their understanding and appreciation of visual media.

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#### 8599 CAREERS IN VISUAL TECHNOLOGY

Semester Credit 1/2 Grades 9-12 Est. Fee \$30

*Prerequisite: Intro to Visual Technology*

In this advanced class, you can continue to explore the field of Computer Art and Illustration on the latest Adobe software. You will discover the variety of fields in which visual technology is a vital piece of equation and how the visual medial influences nearly everything in our world. You can work with: Advanced topics in printing and scanning, such as color management and high resolution print media; development of page-layouts that combine text and graphics; further development of digital photography skills; further exploration in computer based commercial art and fine art; and advanced techniques in Illustrator and Photoshop.

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#### 86061 3D GAME DESIGN

Year Credit 1 Grades 9-10

The job market for 3D modeling has exploded into one of the largest growing job markets in the United States and Europe. Key competencies that are learned are the basic 3D design principles, and modeling principles. The major software packages used in the movie and game industry are used in this course. Autodesk Maya, Mudbox, and the Unreal Game Engine. These software packages are commonly utilized by professionals in the 3D design industry today, including cutting edge games and Hollywood movies. Students will learn how to create 3D model and characters, as well as import them into the Unreal Game engine. Autodesk Maya is currently the staple 3D software in the game and movie industry and will be emphasized.

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#### 8597 3D ANIMATION

Semester Credit 1/2 Grades 9-10

The job market for 3D animation has exploded into one of the largest growing job markets in the United States and Europe. Key competencies that are learned are the basic 3D design principles, and animation principles. The major software packages used in the movie and game industry are used in this course. Autodesk Maya, Mudbox, and the Unreal Game Engine. These software packages are commonly utilized by professionals in the 3D design industry today, including cutting edge games and Hollywood movies. Students will learn how to create 3D model and characters, as well as import them into the Unreal Game engine. Autodesk Maya is currently the staple 3D software in the game and movie industry and will be emphasized.

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## VISUAL COMMUNICATION DESIGN I COLLEGE TECH PREP

Year	Credit 2	Grade 11	Est. Fee \$50
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### 2 periods per day

The job market for Visual Communication Design is one of the largest growing job markets in the United States and Europe. Key competencies that are learned are the basic design principles, type and image as information and communication, visual hierarchy, computer technology and process, presentation skills, and professionalism. Software packages learned include Adobe Photoshop, Illustrator, Premiere, Autodesk Maya and Mudbox. These software packages are commonly utilized by professionals in the 2D and 3D design industry today.

Students will have the opportunity to design a wide variety of 2D projects such as: logos, posters, packaging, magazine layouts, etc., and 3D projects such as: architecture, vehicles, humanoids, landscapes and more. Video creation with Adobe Premiere will constitute the last major project of the course. Career opportunities for Visual Communication Design are wide ranged, including: Graphic Designers, Multimedia Specialists, Game Designers, CGI Artists, 3D Animators and more.

### Honors Option:

In addition to completing the course requirements above, honors students will be required to refine all finished course projects until they meet the 2D and 3D design standards of entry-level college portfolios.

### 8601 VCD I: Digital Print & Design

### 8604 VCD I: Advertising & Communication

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## VISUAL COMMUNICATION DESIGN II COLLEGE TECH PREP

Year	Credit 2	Grade 12	Est. Fee \$50
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*Prerequisite: Visual Communication Design I*

Students will have the opportunity to design portfolio pieces using industry standard software. The course will also include a variety of print media design for the advanced VCD students in the second year of study. All students will have the opportunity to create their own portfolio for presenting their work for college entrance and post-secondary opportunities.

### 8605 VCD II: Digital Image Editing

### 8608 VCD II: Visual Creation

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## BUSINESS & MANAGEMENT PATHWAY

### 8410 BUSINESS FOUNDATIONS

Semester	Credit 1/2	Grade 9-10	Est. Fee \$10
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This class is the introductory course for the Business and Management pathway. Students will have the opportunity to investigate a variety of business fields while developing communication, critical-thinking, problem-solving, and life-long learning skills. Students will actively participate in multimedia instruction while exploring the following areas: introduction to business, marketing, economics and personal finance, business law, accounting, management, international business, and entrepreneurship.

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### 8313 INTRO TO MARKETING

Semester	Credit 1/2	Grade 9-12	Est. Fee \$10
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This course introduces students to the specializations offered in marketing. Students will obtain fundamental knowledge and skills in marketing communications, marketing management, marketing research, merchandising, and professional selling. They will acquire knowledge of marketing strategies, market identification techniques, employability skills, business ethics and law, economic principles, and international business. Technology, leadership, and communications will be incorporated in classroom activities.

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### 8419 MONEY MANAGEMENT

Semester	Credit 1/2	Grade 11-12	Est. Fee \$10
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Would you like to learn ways to maximize your earnings potential? Do you need to develop strategies for managing your financial resources? Do you want to gain insight into the different ways of investing your money? If so, this class is for you! This course will enable you to make wise decisions that will help in your financial future and make you a more effective consumer. You will study the following areas: buying/selling a car, purchasing insurance, preparing income taxes, comparison shopping, budgeting money, managing credit, using checking and savings accounts and other banking services, and investing in stocks and mutual funds.

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## FINANCIAL MANAGEMENT I COLLEGE TECH PREP

Year	Credit 2	Grade 11	Est. Fee \$65
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The Financial Management courses are for the career- or college-bound student who is interested in pursuing a career in business management. Career and academic skills are integrated and will grant you the opportunity to gain practical knowledge associated with real-world business situations. An emphasis is placed on critical thinking skills as they relate to financial management, money, investments, banking and credit, financial planning, professional development and networking. Special activities will introduce you to careers and professionals in the financial management industry. Members of the local business community will be utilized to bring experience and real-life application to the classroom. You will become a member of Business Professionals of America and may compete at regional, state, and national competitions. During second semester of senior year, you will internship at a local business to provide experiences to further prepare you for your business future.

### 86103 FINANCIAL MANAGEMENT I: Fundamentals of Financial Services

Students will develop knowledge and skills needed in the banking, insurance and investment industries. They will analyze banking products and services, determine ways in which insurance reduces risk, and calculate insurable losses. Students will also learn to sell financial products and build positive relationships with clients and colleagues. They will use financial ratios to evaluate company performance and select profitable investments for clients. Technology, employability skills, leadership and communications will be incorporated in classroom activities.

### Honors Option:

Students will be required to interview a local business leader, complete a research report and discuss the local business leader's philosophy in a formal presentation. Additional requirements include 8 hours of community service. This may be accomplished through volunteering in the local community or at the high school (approval required).

### 86104 FINANCIAL MANAGEMENT I: Financial Accounting

Students will track, record, summarize, and report a business's financial transactions. They will develop financial documents, project future income and expenses, and evaluate the accuracy of a business's financial information. Students will also apply tools, strategies, and systems to evaluate a company's financial performance and monitor the use of financial resources. Technology, employability skills, leadership and communications will be incorporated in classroom activities.

### Honors Option:

In addition to completing the requirements above, students will complete additional accounting "Challenge" problems. Also, students will be required to complete a research report and discuss a business leader's philosophy in a formal classroom presentation.

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## 8611 FINANCIAL MANAGEMENT II

### 8611 HONORS FINANCIAL MANAGEMENT II

#### COLLEGE TECH PREP

**Year**      **Credit 2**      **Grade 12**      **Est. Fee \$20**

*Prerequisite: Financial Risk Management I*

This senior level program is for students who wish to continue gaining valuable business management knowledge and skills. You will understand and apply various financial management techniques. During second semester, you will internship at a local business to provide experiences to further prepare you for your business future. You may become a member of Business Professionals of America and compete at regional, state, and national competitions. All Tech Prep students will be required to complete a senior project. Upon successful completion of this two-year program, you can earn transferable college credits.

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## 86113 FINANCIAL MANAGEMENT II:

### Corporate Finance

Students will manage policy and strategy for corporate budgeting, investment, and financial planning. They will calculate profitability, predict business success and the likelihood of failure, and compare business performance within and across industries. Students will also develop and track the achievement of financial goals. They will determine how to balance risk with return and select strategies for recovering from risky situations and disasters. Technology, employability skills, leadership and communications will be incorporated in classroom activities.

### Honors Option:

Explores the same content covered in Corporate Finance, but with higher level analysis of actual business and operations procedures. Students will research, analyze, and apply financial concepts to various case studies, writing assignments, research papers and professional presentations. Students are expected to pursue leadership roles in the classroom and student organization (BPA).

## 86114 FINANCIAL MANAGEMENT II:

### Management Principles

Students will apply management and motivation theories to plan, organize and direct staff toward goal achievement. They will learn to manage a workforce, lead change, and build relationships with employees and customers. Students will use technology to analyze the internal and external business environment, determine trends impacting business, and examine risks threatening organizational success. Ethical challenges, project management and strategic planning will also be addressed. Students may also earn college credit through "College Credit Plus".

### Honors Option:

Students are required to complete a Capstone senior project prior to internship involvement. The project may involve additional research and community activities. Students may also earn college credit through "College Credit Plus".

## BUSINESS TECHNOLOGY I (NV)

### COLLEGE TECH PREP

**Year**      **Credit 2**      **Grades 11**      **Est. Fee \$30**

*Prerequisite: Application & Introduction to Software Applications.*

*It is expected that all Tech Prep students will successfully complete Algebra II before graduating.*

This Tech Prep course is for the career- or college-bound student who is interested in pursuing a career in business. Students will be utilizing the popular software program Microsoft Office 2013. Students will develop an understanding of business practices that are needed by everyone to excel in a business field. Areas of emphasis are: accounting, finance, management, marketing, entrepreneurship, business communications, business economics, international business, technology, and career development in business. Business Technology students will acquire critical-thinking, decision-making, and business ethics skills. As members of Business Professionals of America, students will have the chance to participate in regional, state, and national competition. **These courses may be taken for honors credit. See the instructor for additional requirements.**

## 83143 BUSINESS TECH I:

### Strategic Entrepreneurship

Students will use innovation skills to generate ideas for new products and services, evaluate the feasibility of ideas, and develop a strategy for commercialization. They will use technology to select target markets, profile target markets, define the venture's mission, and create business plans. Students will take initial steps to establish a business. Students will calculate and forecast costs, break-even analysis, and sales. Establishing brand, setting prices, promoting products, and managing customer relationships will be emphasized. Students apply classroom learning segments to the successful operation of the school store, as well as various job shadowing experiences. Students are members of the student organization, Business Professionals of America. This class qualifies for three college credits with successful enrollment and completion of all College Credit Plus Program requirements.

## 83144 BUSINESS TECH I:

### Business Administration Marketing

This is the first course in the Marketing career field. It introduces students to the specializations offered in Marketing. Students will obtain fundamental knowledge and skills in marketing communications, marketing management, marketing research, merchandising and professional selling. They will acquire knowledge of marketing strategies, market identification techniques, employability skills, business ethics and law, economic principles and international business. Technology, leadership and communications will be incorporated in classroom activities. Students are members of the student organization, Business Professionals of America. This class qualifies for three college credits with successful enrollment and completion of all College Credit Plus Program requirements.

## 83146 HONORS BUSINESS TECH I:

### Strategic Entrepreneurship & Business Administration Marketing

Explores the same content covered in Business Tech I, but with higher level analysis of actual business and marketing processes. Students describe, research, synthesize, analyze, and apply entrepreneurial and marketing concepts to various case studies, writing assignments, research papers and professional presentations. Students are expected to pursue leadership roles in school store operations and student organizations. This class qualifies for three college credits with successful enrollment and completion of all College Credit Plus Program requirements.

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## BUSINESS TECHNOLOGY II (NV)

### COLLEGE TECH PREP

**Year**      **Credit 2**      **Grade 12**      **Est. Fee \$40**

*Prerequisite: Business Technology I*

This senior level program is for students who wish to continue gaining valuable business skills. Instructional emphasis will include professional development and networking, business law, human resource management, general administrative functions, accounting, business communications and technology. During second semester, students will be released during this class to take part in a part-time business internship experience with an area business. Students will become a member of Business Professionals of America and may compete at regional, state, and national competition. All Tech Prep students will be required to complete a senior project. Students may receive college credits through dual enrollment. **These courses may be taken for honors credit. See the instructor for additional requirements.**

## 83153 BUSINESS TECH II:

### Management Principles

Students will apply management and motivation theories to plan, organize and direct staff toward goal achievement. They will learn to manage a workforce, lead change, and build relationships with employees and customers. Students will use technology to analyze the internal and external business environment, determine trends impacting business, and examine risks threatening organizational success. Ethical challenges, project management and strategic planning will also be addressed. Students apply classroom learning segments to the successful completion of a second-semester internship. Students are members of the student organization, Business Professionals of America. This class qualifies for three college credits with successful enrollment and completion of all College Credit Plus Program requirements.



## 83154 BUSINESS TECH II:

### Human Resources Management

Students will develop human resources strategies to prepare job search portfolios as well as the skills necessary to obtain, retain, and effectively use talent throughout the organization. Students will utilize technology to create job applications, job descriptions, and job profiles to support the talent acquisition process. They will learn to recruit applicants, administer employment assessments, conduct background investigations, and make and communicate hiring decisions. Students will also develop employee handbooks and establish performance improvement processes. Rewards and recognition practices, relationship management and compliance will be addressed. Students will also participate in internship opportunities second semester of this course. Students apply classroom learning segments to the successful completion of a capstone job portfolio and second-semester internship experience. Students are members of the student organization, Business Professionals of America. This class qualifies for three college credits with successful enrollment and completion of all College Credit Plus Program requirements.

## 83155 HONORS BUSINESS TECH II:

### Management Principles & Human Resources Management

Explores the same content covered in Business Tech II, but with higher level analysis of actual management and human resource processes. Students describe, research, synthesize, analyze, and apply entrepreneurial and marketing concepts to various case studies, writing assignments, research papers and professional presentations. Honors students are required to network and engage with the business community through the completion of interviews, case studies, and research papers. Students are expected to pursue leadership roles in student organizations. All honors students are required to complete a Capstone senior project prior to internship involvement. This class qualifies for three college credits with successful enrollment and completion of all College Credit Plus Program requirements. [Return to course offering page: 12](#)

## COMMUNICATIONS

### 3103 ORAL COMMUNICATION I

#### 3104 HONORS ORAL COMMUNICATIONS

<b>Semester</b>	<b>Credit 1/2</b>	<b>Grades 9-12</b>
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Oral Communications is an introduction to ways people communicate both intra- and interpersonally. We will explore various types of communication and make several speeches/presentations over the course of the semester including impromptu, prose/poetry, storytelling, persuasive, informative, etc. Both Oral Communications courses will be offered within the same class period. Their will be additional assignments and requirements to receive honors credit.

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### 3105 ORAL COMMUNICATIONS II

<b>Semester</b>	<b>Credit: 1/2</b>	<b>Grades: 9-12</b>
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*Prerequisite: Oral Communications I*

This course is a continuation of Oral Communications I. Students will delve deeper into both intra- and interpersonal communication as well as verbal and nonverbal communications. Units include advertising, broadcasting, interviews, declamation, debate and impromptu.

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### 3113 DRAMA

<b>Semester</b>	<b>Credit 1/2</b>	<b>Grades 9-12</b>	<b>Est. Fee \$10</b>
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Drama I focuses on the basic theatrical elements every thespian should know including theater terminology, improvisation, acting, scenic design, movement and dance, vocal dexterity, etc. Students are also exposed to the principles of play evaluation. Students will leave this course with a better understanding of themselves (mind, body, and spirit) and the theatrical world. You do not need to participate in Southview productions to take Drama.

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## 3132 HONORS DRAMA

<b>Semester</b>	<b>Credit 1/2</b>	<b>Grades 9-12</b>	<b>Est. Fee \$10</b>
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*Prerequisite: Drama or instructor approval*

Honors Drama is a continuation and expansion of the principles and techniques discussed in Drama I. In addition, we study the various epochs of theater (Greek, Shakespearean, commedia del arte, musical theatre, etc.). This course will focus on different styles of acting (classical, children's theatre, etc.) and different acting methods (Stanislavsky, Brecht, Bogart, Hagen, etc.). You do not need to participate in SV drama productions to take Honors Drama.

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## 3114 THEATRE WORKSHOP

<b>Semester</b>	<b>Credit 1/2</b>	<b>Grades 9-12</b>	<b>Est. Fee: \$10 (for supplies)</b>
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Theater workshop will focus on the production aspects of theater including, but not limited to, set design, stage management, arts administration, publicity, playwriting, costumes, puppets, masks, etc. Students are also exposed to the principles of play evaluation. This class will work on the current student production throughout the semester. This course is aligned with the Ohio Academic Standards.

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## 3120 JOURNALISM WRITING AND DESIGN

<b>Semester</b>	<b>Credit 1/2</b>	<b>Grades 9-11</b>
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This course is designed to prepare students to write and design for the school newspaper or yearbook. This course stresses the role of computers in the design portion of the course. They will be designing news pages as well as yearbook spreads. The writing portion will give students practice in the various types of news writing. They will write a feature, a sports story, a movie review, a hard news story and an editorial. They will be taught basic interviewing skills, copy editing, and news gathering techniques. Sometimes, student work will be featured in the student newspaper for publication.

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## 3128 JOURNALISM

<b>Year</b>	<b>Credit 1</b>	<b>Grades 11-12</b>
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*Prerequisite: Journalism Writing and Design or by permission from the advisor and a submitted writing sample.*

This class produces the official school newspaper, the Catalyst. Staff members work in specialized assigned areas such as editing, copy, design, photography, art, business and advertising. The work demands some time beyond the regularly assigned publications period. Staff members are also expected to sell a quota of advertising. Staff assignments are made through application and appointment and students must maintain a 3.0 GPA or higher to remain on staff.

*\*A Pay-to-Participate fee is associated with this class*

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## 3129 YEARBOOK

<b>Year</b>	<b>Credit 1</b>	<b>Grades 11-12</b>
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*Prerequisite: Journalism Writing and Design or by permission from the advisor and a submitted writing sample.*

This class produces the official school annual, the Meridian. Staff members work in specialized assigned areas such as editing, copy, design, photography, art, business and advertising. The work demands some time beyond the regularly assigned publications period. Staff members are also expected to sell a quota of advertising. Staff assignments are made through application and appointment and students must maintain a 3.0 GPA or higher to remain on staff.

*\*A Pay-to-Participate fee is associated with this class*

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# ENGINEERING & INDUSTRIAL PATHWAY

## 8394 ENGINEERING APPLICATIONS

**Semester**      **Credit ½**      **Grades 9-12**      **Est. \$10**

Engineering Applications is designed for students who are interested in pursuing a career in engineering and/or design. Students involved should have an interest in math and sciences. Students will interact with each other and will be challenged to break through normal thinking skills with project-based learning. Students will also explore the following areas: electrical engineering, mechanical engineering, and structural engineering through design and prototyping of projects completed in class. Students completing two 1/2 credits or 1 full credit in this pathway will serve in place of the Fine Arts requirement for graduation.

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## 8396 INTRODUCTION TO ALTERNATIVE ENERGY

**Semester**      **Credit ½**      **Grades 9-12**      **Est. Fee \$20**

This course is designed for students who are interested in pursuing a career in engineering. One major objective of this course is for students to learn about and explore innovative ways to power our society. As our world changes, the need for individuals who are trained in this growing field are in high demand. "Green" concepts, energy trends, and potential ways to cut energy costs will be discussed. Particular areas of interest will include solar, wind, hydro, and geothermal energy. Basic electrical concepts will be introduced with lab activities. Students will also learn about fossil fuels, nuclear energy, biofuels, fuel cells, and biomass energy. Students completing two 1/2 credits or 1 full credit in this pathway will serve in place of the Fine Arts requirement for graduation.

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## 8392 ENGINEERING DESIGN

**Semester**      **Credit .5**      **Grades 9-12**      **Est. Fee \$20**

This course is designed to be a prerequisite to Computer Aided Design and an introduction to technical sketching and drawing. Emphasis will be on the fundamentals of mechanical, pictorial, and architectural drawing. Students will be expected to sketch and draw every day. Additional topics include geometric design, multi-views, section views, and auxiliary views. Students will complete a hands-on, problem solving activity by the end of the course. Students completing two 1/2 credits or 1 full credit in this pathway will fulfill the Fine Arts requirement for graduation.

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## 8398 COMPUTER AIDED DESIGN (CAD)

**Semester**      **Credit ½**      **Grades 9-12**      **Est. \$10**

This course is an introduction to the field of Computer Aided Design and is recommended as the second course in technical sketching and drawing (see Engineering Design). Students enrolled should have an interest in math and sciences. This course will introduce the first software package from the CAD ACADEMY curriculum as well as a wide variety of technologies relating to engineering, product design, and development. Classroom activities will be focused around geometric design as students learn how to operate basic functions of the software. This course will also require students to complete problem-solving projects relating to course material. Students completing two 1/2 credits or 1 full credit in this pathway will serve in place of the Fine Arts requirement for graduation.

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## 8399 GREEN SYSTEMS AND DESIGN

**Year**      **Credit 1**      **Grades 9-12**      **Est. \$20**

This course examines the impact of human activities on sustainability while exploring the basic principles and technologies that support sustainable design. Students learn about the potential for emerging energy technologies such as water, wind, and solar power. In this course, students develop a comprehensive understanding of this fast-growing field and its possible impacts on the impoverished in developing countries.

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## 8391 ROBOTICS TECHNOLOGY

**Semester**      **Credit 1**      **Grades 9-12**

This course studies the robot in various configurations through the use of hands on labs, lecture and assessment. Students will construct mid-scale stationary and mobile robots in order to complete assigned tasks.

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## ENGINEERING I HONORS ENGINEERING I COLLEGE TECH PREP

**Year**      **Credit 2**      **Grade 11**      **Est. Fee \$40**

**2 periods per day**

*Prerequisite: Application*

*It is expected that all Tech Prep students will successfully complete Algebra II before graduating.*

This course is part one of a two-year program. Students involved in this program will be eligible to earn transcript college credit. The instructor will issue a separate college grade upon completion of the course. This is a great opportunity for students who are interested in pursuing a college degree in engineering. In this course engineering standards will be reinforced along with employability skills. Unique problem solving projects such as Aeronautical and Underwater innovations will be used as a tool to instruct classroom activities. Students may also have the opportunity to tour local colleges and companies. Students completing two ½ credits or 1 full credit in this pathway will fulfill the Arts and Humanities requirement for Graduation.

**Honors Students may receive up to 8 college credits upon completion of this course and a total of 14 college credits upon completion of the program. Honors Requirements: students must participate in the Career Tech Student Organization(i.e SkillsUSA).**

## 8496 WELDING TECHNOLOGIES

Students will use fundamental welding principles involving shielded metal arc, oxyacetylene, gas tungsten, and gas metal arc welding in the flat, horizontal, and vertical positions. An emphasis is given to electrode selection, equipment setup, operating procedures, welding inspection, and testing. Students will learn joint designs and layout and will be introduced to welding codes and standards. Additional topics include employability skills and an emphasis will be given to personal safety.

## 8481 MANUFACTURING OPERATIONS

Students will learn about different processes found on a production line in a manufacturing setting and learn how these technologies overlap to create automated systems to mass produce products found in local manufacturing facilities. Using self-paced hands-on trainers, students will learn about Basic Electrical Concepts, Computer Aided Design, Robotics, Quality Control, Pneumatic Systems, Injection Molding Systems and Mechanical Systems. Students will demonstrate their knowledge through Powerpoint presentations.

## ENGINEERING II HONORS ENGINEERING II COLLEGE TECH PREP

**Year**      **Credit 2**      **Grade 12**      **Est. Fee \$40**

*Prerequisite: Engineering Tech Prep I*

This course is the second and final part of the Engineering program. It will enable students to fully prepare for their first year of an Associate's or Bachelor's degree in Engineering. Students will complete various projects throughout the course, and have an opportunity to visit and work beside local engineers who will assist students through a Mentorship / Job shadowing experience during the last semester. After completing this program, students will have 6 transcript college credit hours.

**Honors Students may receive up to 8 college credits upon completion of this course and a total of 14 college credits upon completion of the program. Honors Requirements: students must participate in the Career Tech Student Organization(i.e SkillsUSA).**

## 8485 DC/AC ELECTRONICS

Students will learn the fundamental principles of electricity with emphasis on DC (direct current) circuits and an introduction to AC (alternating current) circuits. Students will conduct lab experiments and build projects which use DC/AC theory, as well as, learn the basics of oscilloscopes. Students will develop a comprehensive understanding of the ever present electric forces in daily life.

## 84831 DIGITAL ELECTRONICS

Students will learn the inner workings of computer and smart phone in this course. They will experiment with Integrated circuit chips and use this knowledge in order to create a mid-sized mobile robot. Students will develop an understanding of how computer programs operate on the fundamental level.

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## 8497 ENGINEERING PRE-APPRENTICESHIP

The pre-apprenticeship program offers a collaborative partnership between Southview and local industry sponsors that provide exposure to the work environment. It allows students to go into the workforce in a paid position and actively participate in the work environment in the career field they have chosen.

## 84975 ENGINEERING CAPSTONE

The capstone course provides opportunities for students to apply knowledge, attitudes and skills that were learned in Engineering program in a more comprehensive and authentic way. Capstones often include project/problem based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience. This course can be delivered through a variety of delivery methods including cooperative education or apprenticeship.

## CONSTRUCTION I COLLEGE TECH PREP

Year	Credit 3	Grade 11	Est. Fee \$65
3 periods per day			

Tech Prep Program

*Prerequisite: Application*

Construction Technology is designed to offer students a well-rounded foundation and preparation for entry into the always-expanding construction industry. Students will learn about AC/DC circuits, residential wiring, controls wiring, heating/air conditioning & applied thermal science, rigging systems, and structural design through the use of self-directed modules. The principles learned will be tested through lab and field experiences. The students will learn carpentry skills and use tools that the professionals use. Qualifying students will be placed with a local employer for paid work experience and training during the second semester of senior year. Are you ready to work toward a high paying career in the construction industry?

## 84893 CONSTRUCTION I: Core & Sustainable Construction

Students will learn principles in basic safety (10-hr OSHA), construction math, hand and power tool use and operation, blueprint reading, material handling, communication and employability skills. An emphasis will be placed on safe and green construction practices.

## 84895 CONSTRUCTION I: Structural Systems

Students will learn procedures and techniques required for layout and framing of walls and ceilings, including roughing-in door and window openings, constructing corners and partitions; bracing walls and ceilings; and applying sheathing. Students will learn methods of roof, cold formed steel, and wood stair framing. Students will learn site and personal safety, material properties, design procedures, and code requirements for structural systems.

## 84897 CONSTRUCTION I LAB

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## CONSTRUCTION II COLLEGE TECH PREP

Year	Credit 3	Grade 12	Est. Fee \$56
3 periods per day			

*Prerequisite: Construction Technology I*

## 84903 CONSTRUCTION II: Carpentry & Masonry

This course will introduce to students the materials, methods, and equipment used in carpentry and masonry. Students will organize a project work sequence by interpreting plans and diagrams within a construction drawing set. They will layout and install basic wall, floor and roof applications. Students will perform introductory concrete applications including formwork, reinforcement, mixing, and finishing. Current advancements in technology, safety, applicable code requirements and correct practices are learned.

## 84905 CONSTRUCTION II: Structural Coverings and Finishes

This course will address applications of interior and exterior finish work. Students will identify material properties and select for appropriate application. Students will install thermal and moisture protection including roofing, siding, fascia and soffits, gutters, and louvers. Students will install drywall; trim-joinery and molding and apply wall, floor and ceiling coverings and finishes. Throughout the course, the safe handling of materials, personal safety, prevention of accidents and the mitigation of hazards are emphasized.

## 84907 CONSTRUCTION II LAB

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## ENVIRONMENTAL & AGRICULTURE PATHWAY

## 8441 AGRICULTURE AND ENVIRONMENTAL SYSTEMS

Year	Credit 1	Grades 9-10
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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.

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## 8442 PLANT & HORTICULTURE SCIENCE

Year	Credit 1	Grades 9-10
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This first course in the pathway focuses on the knowledge and skills required to research, develop, produce and market agricultural, horticultural, and native plants and plant products. Students will apply principles of plant physiology and anatomy, plant protection and health, reproductive biology in plants, plant nutrition and disorders to the management of soils and plants. Throughout the course, students will learn communication, leadership, and business management skills reflective of the industry.

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## HORTICULTURE I COLLEGE TECH PREP

Year	Credit 2	Grade 11	Est. Fee \$55
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The focus of the Horticulture program is to prepare individuals for and to assist them in obtaining a career in the agricultural field in conjunction with a purposeful education. The Horticulture program is designed to give students the opportunity to participate in a multifaceted and cooperative program by providing internships or work experiences in the specific area of the student's interest. The primary emphasis of the program is classroom instruction with hands-on projects.



## 8433 HORTICULTURE I:

### Parks & Recreation

Students will design facilities, develop educational programs and manage resources for use in public recreation. Students will maintain and operate equipment for maintaining wildlife habitat and supporting a variety of public recreational activities and facilities. Throughout the course, students will develop marketing and programming skills for park development, apply management practices to park operations and learn the systems required to maintain public safety. Students will understand different ecosystems and handle animals that are closely lived in our park system.

## 8434 HORTICULTURE I:

### Greenhouse & Nursery Management

Students will learn the operational practices needed for the successful growth of nursery stock and/or greenhouse plants. They will learn essential greenhouse practices including water and fertilizer distribution, lighting, ventilation and temperature control. Students will learn pest and disease identification and control along with bio-security practices. Students will demonstrate knowledge of propagation methods, plant health, nutrition, and growth stimulation. Throughout this course, business and employability skills will be emphasized.

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## HORTICULTURE II

### COLLEGE TECH PREP

Year	Credit 2	Grade 12	Est. Fee \$45
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## 8437 HORTICULTURE II:

### Landscape Systems Management

Students will learn methods for establishing and managing landscapes to promote growth and balance. The classification and care of woody and herbaceous landscape plants will be learned. Students will learn to optimize growing conditions, balance nutrients, and manage pests and disease. They will apply proper planting, fertilizing, and pruning techniques while safely operating well maintained specialized equipment. Throughout the course, students will assess implications of landscape installation on the environment, and employ communication, business, and management strategies.

## 8439 HORTICULTURE II:

### Business Management

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.

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## HEALTH, EDUCATION & HUMAN SERVICES PATHWAY

## 8472 CHILD DEVELOPMENT

Semester	Credit 1/2	Grade 11-12
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In this course, students will learn the principles of child growth, development, and behavior. An emphasis will be placed on the cognitive development of a child and sensory and motor skills. Additional topics include childhood diseases, immunizations, theories of development, learning styles, and childcare services evaluation.

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## 8378 CAREER AND COLLEGE READINESS

Semester	Credit 1/2	Grade 11-12
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In this course, students will develop effective learning strategies and skills to provide a strong foundation for successful lifelong learning. Throughout the course, students will research careers and occupations, review postsecondary admissions qualifications, develop interviewing skills and participate in internships. Additional topics will include principles and techniques of professionalism, networking, conflict-resolution, negotiation, leadership and entrepreneurship.

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## 8376 PERSONAL WELLNESS AND DEVELOPMENT

Semester	Credit 1/2	Grade 9-12
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In this course, students will analyze personal physical, emotional, social and intellectual growth for a healthy lifestyle. An emphasis will be placed on lifespan wellness by managing stress through relaxation, physical activity and sleep. Additional topics will include human growth development, mental health management, personal hygiene and preparing for emergency medical situations. This course may serve as the Health credit.

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## 8377 PRINCIPLES OF NUTRITION AND WELLNESS

Semester	Credit 1/2	Grade 9-12
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In this course, students will use principles of nutrition to ensure a healthy body throughout the lifecycle. An emphasis will be placed on planning and preparing meals with an understanding of nutrients and their benefits, portion control and dietary needs. Additional information will include steroid and supplemental use, body weight and management and the implementation of physical activity to maintain a healthy lifestyle.

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## 8379 CULINARY ARTS FUNDAMENTALS

Year	Credit: 1	Grades: 11-12	Est. Fee \$40
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In this course, students will apply fundamental culinary techniques, such as knife handling skills and the recognition, selection, and proper use of tools and equipment. An emphasis will be placed on mise en place, the management of time, ingredients and equipment. Students will apply standard recipe conversions, using proper scaling and measurement techniques. Basic nutrition, food safety and sanitation will be aligned to hospitality standards.

## 8380 FOOD SCIENCE

Semester	Credit 1/2	Grades 11-12	Fee: \$25
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In this course, students will apply basic culinary practices and understand how flavor, texture and appearance are affected during food preparation. Students will evaluate chemical reactions as they occur in cooking methods and assess how to control high-risk food safety situation. Food safety and sanitation techniques will align to industry-recognized certifications.

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## 8380 PRINCIPLES OF FOOD

Semester,	Credit 1/2,	Grade 9-10,	Est. Fee \$10
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In this course, students will gain knowledge in food selection criteria and apply preparation methods to promote a healthy lifestyle. Students will apply cooking methods, ingredient selection and nutritional information in the context of selected food dishes. Throughout the course, basic food safety and sanitation techniques will be emphasized.

## 8460 INTRODUCTION TO EDUCATION

Semester	Credit 1/2	Grades 9-10	Est. Fee \$5
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Class for students who are considering a career in education. Students will learn about early education, elementary education, special education, and secondary education. Related fields such as school counseling and social work are also introduced. By completing this FOUNDATIONS course students will have a greater understanding of opportunities available to them in the education field. If a student has a continued interest, they may explore other education options during their junior and senior years.

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## EDUCATION & TRAINING (NV) COLLEGE TECH PREP

Do you like working with young children, birth through grade 3? Have you considered a career in teaching, counseling, or support services? Would you like to have fun learning about children and their development? If you answered yes to these questions, Education & Training is the program for you. Education and Training is a commitment of 3 periods during both junior and senior years. In the junior year, students will learn fundamentals as well as participate in real-world field experiences in preschool settings. During the senior year, students will complete internships in the educational setting of their choice.

## EDUCATION & TRAINING I (NV)

Year Credit 3 Grade 11 Est. Fee \$75

### 83811 CURRICULUM AND INSTRUCTION

Students will develop age-appropriate learning experiences and curriculum to engage young children. They will determine curricular goals, create lesson plans, and employ observation and assessment strategies to evaluate children's growth and development. Application of foundational principles of reading, writing, speaking, and listening skills to enhance the learner's application of literacy will be emphasized.

### 83815 OBSERVATION AND ASSESSMENT

Students will formally and informally observe young children to determine learners' growth, personalities and required interventions. They will analyze children's behavior, record and categorize learner progress, and use observation to diagnose problems. The role of assessment data in developing suitable teaching responses and strategies will be examined.

## EDUCATION & TRAINING I

Year Credit 3 Grade 12 Est. Fee \$80

### 83821 PRINCIPLES: HISTORY AND PHILOSOPHY

Students will examine the history and philosophy of early childhood education, types of early childhood programs, and the roles, rights and responsibilities of learners and stakeholders in early childhood education. Students will assess developmental appropriate practices; legal, ethical and organizational issues; and the challenge of teaching and caring for young children with diverse needs. Career planning and professionalism will also be emphasized throughout the course.

### 83825 HEALTH, SAFETY, AND NUTRITION

Students will establish and maintain a physically and emotionally safe and healthful environment for young children. They will learn skills in first aid and CPR, identify signs and symptoms of common health issues and diseases, and develop meal and snack menus appropriate for young children of different ages and stages of development. The effects of nutrients on children's growth and development will also be emphasized.

### 83835 CAPSTONE

Students apply Education and Training program knowledge and skills in a more comprehensive and authentic way. Capstones are project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through partnerships, students combine classroom learning with work experience to benefit themselves and others. These can take the form of mentorship employment, cooperative education, apprenticeships and internships.

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## COSMETOLOGY I (at NV) COLLEGE TECH PREP

Year Credit 4 Grade 11 Est. Fee \$350

**4 periods Cosmetology per day plus 1 additional period of Anatomy.**

Cosmetology is a two-year program that studies in depth the beauty industry. Junior students will automatically be scheduled into Anatomy for one period per day and will work in both a lab and classroom setting four periods per day. Cosmetology is a \$52 billion a year industry that is growing. It is an industry with zero unemployment. It offers unlimited growth potential for those who set their own goals. Possible career choices for Cosmetology are Hair Stylist, Nail Technician, Make-up Artist, Esthetician, Salon Owner, Salon Manager, and more.

### 83501 COSMETOLOGY I: Trichology

Students will learn the anatomy of the head and scalp, structure of the hair and various techniques and procedures for analyzing hair, scalp disorders and diseases. Students will be able to determine hair porosity, elasticity, density, texture and growth patterns as well as conduct chemical tests for treated hair and ability to recommend corrective scalp treatment.

## 83503 COSMETOLOGY I: Fundamentals of Hair Cutting & Styling

Students will learn basic shampooing, conditioning and hair-cutting including trimming, wet styling and thermal styling techniques when working with natural and synthetic hair. Students will also learn infection control and safety along with the science of ergonomics, and ability to recommend corrective scalp treatment.

## 83505 COSMETOLOGY I: Fundamentals of Chemical Services

Students will apply basic skills, knowledge, and safety practices when giving permanent/chemical waves, curl re-forming, chemical relaxers and hair color techniques to include tinting, highlighting, bleaching and foiling.

## 83507 COSMETOLOGY I: Hand & Foot Treatments

Students will learn the knowledge and skills to perform both manicures and pedicures. They will learn how to maintain personal hygiene and infection control. Students will give plain/oil manicures, pedicures, and hand/harm and foot/leg massages. Enhanced hand and foot treatments using specialized products and techniques will be performed.

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## 8355 COSMETOLOGY II (at NV)

Year Credit 4 Grade 12 Est. Fee \$150

*Prerequisite: Cosmetology I*

This is the second year program for Cosmetology. Senior Cosmetology students can provide services for clientele, intern in an area salon, and practice for the upcoming licensing exam. Upon passing the exam, the student can be licensed by the State of Ohio as a professional Cosmetologist.

## 83511 COSMETOLOGY II: Advanced Hair Cutting & Styling

Students will learn advanced cutting and formal styling using specialized equipment and techniques. This course offers enhanced training in current trends and razor techniques.

## 83513 COSMETOLOGY II: Advanced Chemical Services

Students will learn advanced chemical services using specialized products and techniques. Students will do advanced coloring, dimensional coloring, corrective techniques, texturizing, and advanced chemical wave wrapping techniques.

## 83515 COSMETOLOGY II: Skin Care Fundamentals

Students will apply the principles of anatomy, skin analysis, infection control and safety to safe hair removal, skincare treatments, and facial massage. Students will use electrical and manipulative facial treatments including masks, packs, and make-up techniques. Students will also learn advanced skin care treatments, targeted massage, end enhancement applications using specialized products and techniques.

## 83517 COSMETOLOGY II: Salon Operations

Students will learn the fundamentals of managing a cosmetology salon. Students will learn about employment and customer liability, insurance, leases, record keeping, communication and sales.

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## MEDICAL TECHNOLOGY I (NV) COLLEGE TECH PREP

### 8333 ANATOMY

Year Credit 3 Grades 11 Est. Fee: \$175

**2 periods per day Med. Tech**

**Est. Anat. Fee \$10**

**1 period per day Anat.**

**College Tech Prep**

*Prerequisite: Application*

### 83311 MED TECH I:

#### Medical Terminology

This course explores the root words, suffixes and prefixes of the vocabulary used in medical offices, hospitals and other health settings. Students review the nervous, skeletal, cardiovascular, muscle and other major systems of the human body, and they discuss terms related to physiology, anatomy and pathological conditions. Students learn to spell, define and pronounce common medical terms.

3 College Credits

### 83351 Med Tech I: Principles of Allied Health

Students will be trained as emergency responders and instructed in basic management of emergency medical/pre-hospital care of the sick and injured. Emergency responders are trained to reach patients, find out what is wrong and provide emergency care. Students will receive the following certificates: American Heart Association Basic Life Support (BLS), CPR/AED and First Aid. Also covered: preventing disease transmission, diseases and disorders, ethics, communications, and vital signs. "Real-world" experience will be acquired through professional guest speakers, health care field trips and victim/patient care skills. All Med Tech students are required to take Anatomy & Physiology which will be automatically scheduled upon enrollment in this program.

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### 83353 HONORS MEDICAL TECHNOLOGY I

Honors students will have additional assignments related to pathophysiology, infection control, and case studies. Assignments will involve an understanding of both normal and abnormal body processes, critical thinking skills, and application skills. Students will be assigned to research patient case histories, current news reports, and pathology, and they will complete more complex writing assignments and deliver presentations. Students will work in collaboration with the instructor to become a master of specific topics to instruct their peers and individuals in our community. Students must demonstrate leadership inside and outside the classroom through HOSA (Health Occupation Skills of America), the classroom personnel system, and community service projects. Additional assignments, in-class experiences, and out of class experiences will be expected of the students who select honors.

### MEDICAL TECHNOLOGY II (NV)

#### COLLEGE TECH PREP

<b>Year</b>	<b>Credit 4</b>	<b>Grade 12</b>	<b>Est. Med. Fee \$131</b>
<b>3 periods per day Med Tech</b>			<b>Est. Chem. Fee \$10</b>
<b>7 periods per week Chemistry</b>			<b>College Tech Prep</b>

*Prerequisite: Medical Technology I*

### 83383 Med Tech II: Patient Care & Diagnostics

Med Tech II will help shape your future in the dynamic field of health care by exploring various professional health career options. You will gain knowledge in the Career Pathways of Medicine, physical therapy/sports medicine, nursing, pharmacy, laboratory, diagnostic services

### 83355 MED TECH II: Patient-Centered Care

Students will learn medical skills in the lab that are required to meet patients' needs such as: safety and infection control, body mechanics, patient mobility, vital signs, phlebotomy, electrocardiography, nutrition, basic lab procedures, wound care and sterile technique. Students meeting all requirements will be eligible to take part in Patient Care Clinical at Toledo Hospital and the State of Ohio Nurse Assisting Testing (STNA). This will prepare you for college and or immediate employment in the health care field.

### 8340 MED TECH II: PATHOPHYSIOLOGY

In this course, students will identify the causes, processes, and changes in body organs and tissues that occur with human illness. Topics include identification of clinical characteristics and effects of diseases, mechanisms causing alterations in cellular activity, maintenance of cellular tissue oxygenation, fluid and electrolyte balance, neuroendocrine control of the body, and diagnostic methodology. Students will interpret and use clinical data and patient health history to assemble a comprehensive health assessment.

### 83371 MED TECH II LAB: Capstone

The capstone course provides opportunities for students to apply knowledge, attitudes and skills in a more comprehensive and authentic way. Capstones include project/problem based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience. This course can be delivered through a variety of delivery methods including 50+ hours of shadowing, Health Occupation Students of America (HOSA) professional club membership, The Senior Project, community service projects, HOSA competition and travel.

### 83385 HONORS MEDICAL TECHNOLOGY II

This course will cover similar material as Medical Technology II, but students will complete additional writings and presentations in anatomy/physiology/pathophysiology, medical mathematics, patient case histories, medical terminology, and health care topics in the news. Students will be expected to take on leadership roles in the classroom personnel system, community service projects (including the blood drive) and the Health Occupations Students of America (HOSA) professional organization.

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## INFORMATION TECHNOLOGIES PATHWAY

### 8309 TODAY'S TECHNOLOGY

<b>Semester</b>	<b>Credit 1/2</b>	<b>Grade 9-12</b>	<b>Est. Fee \$5</b>
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This course is designed to improve students' proficiency in the use of digital technologies. Using communication and networking tools as well as social networks appropriately to access, manage, integrate, evaluate and create information. Through a hands-on approach this course enables students to actively explore web 2.0 applications. Areas of concentration may include digital citizenship, determining internet and research trustworthiness, presentation and collaboration tools, research, organization, and concept mapping tools, and other widgets in order to better complete academic, professional, and personal endeavors to successfully function in today's technologically driven society.

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### 8311 SOFTWARE APPLICATIONS (NV)

<b>Semester</b>	<b>Credit 1/2</b>	<b>Grade: 9-12</b>	<b>Est. Fee \$15</b>
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*Prerequisite: Software Applications*

The emphasis of this course is to extend your knowledge of Microsoft Office 2007 (Word, Excel, and PowerPoint). You will use the proper procedures and techniques to create more advanced documents, workbooks, databases, and presentations suitable for course work, professional purposes, and personal use. You will also learn how to use Publisher to produce attractive brochures and flyers.

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### 8415 INTRO TO PROGRAMMING

<b>Semester</b>	<b>Credit 1/2</b>	<b>Grades 9-12</b>
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This course will introduce students to skills needed in the field of computer programming. Students will learn the basics of programming while working in multiple languages like HTML and Java. Emphasis will be placed on learning how to logically process a problem and design a solution. Problem solving and critical thinking skills will be developed while fostering creativity and innovation. This course serves as a foundation for students with a desire to make their own programs and mobile apps.

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## 8545 2D GAME DESIGN

**Semester Credit:** ½ **Grades:** 9-12 **Est. fee:** \$10

*Prerequisite:* none

The 2D Game Design course is designed to be an introduction to the rapidly expanding market of game creation. Students will learn to design and program games using GameSalad Development Environment. They will learn industry standard programming constructs while creating a wide variety of two-dimensional games. Students will learn input method handling, animation, collision detection, game physics and basic artificial intelligence. Creative problem solving will be key as students plan the logic for contests that will challenge audiences of different ages. Graphic design and storyboarding will be used in conjunction with GameSalad to create applications that can be deployed in both the Apple and Android markets while also publishing online using HTML. After successfully completing this course, students will have the knowledge to create custom games from their original idea to final testing.

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## 85433 AP COMPUTER SCIENCE PRINCIPLES

**Year Credit:** 1 **Grades:** 9-12 **Est. fee:** \$15

*Prerequisite:* successful completion of Algebra I

This course is designed to be an equivalent to a first semester introductory college computing course. In this course, students will develop computational thinking vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course is unique in its focus on fostering student creativity. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore questions that interest them. They will also develop effective communication and collaboration skills, working individually and collaboratively to solve problems and discussing the importance of these problems and the impacts to their community, society and the world.

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## HONORS PROGRAMMING I COLLEGE TECH PREP

**Year Credit:** 2 **Grade:** 11 **Est. Fee:** \$50

Honors Programming I is part of a two-year college tech prep program. The first year of this program includes the courses Honors Object Oriented Programming and Honors Visual Programming. In Honors Programming I students learn and practice key computer science concepts by designing and developing new applications. Students will learn object-oriented principles that will apply to some of the most highly demanded industry languages while concentrating on Java. Honors Programming I focuses on the problem solving side of software development while covering basic programming principles and the effective use of appropriate syntax. Students will learn to create and test their own programs while preparing for a lucrative career in one of the best job markets in the country.

Students completing Honors Programming I will fulfill the Ohio Fine Arts requirement for graduation.

## 85412 HONORS PROGRAMMING I: Object Oriented Programming

This course is one part of Honors Programming I and must be taken in conjunction with Honors Visual Programming. Honors Object Oriented Programming presents a conceptual and practical introduction to object oriented programming, exemplified by Java while providing a foundation for the Java programming language. The course will cover basic programming principles in structured and object oriented frameworks. The course should enable students to develop programs that have the capacity to test and observe particular algorithms.

## 85402 HONORS PROGRAMMING I: Visual Programming

This course is one part of Honors Programming I and must be taken in conjunction with Honors Object Oriented Programming. Honors Visual Programming provides a foundation for the design and implementation of programs that utilize a visual user-interface. Topics covered will include: designing the interface; the message/event driven programming model; logical structure of programs; control containers such as graphics, dialogs, and forms; and controls, including buttons, sliders, mouse motion, and edit boxes. After this course, students will be able to design and create applications with a working Graphical User Interface.

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## HONORS PROGRAMMING II COLLEGE TECH PREP

**Year Credit:** 2 **Grade:** 12 **Est. Fee:** \$60

Honors Programming II is part of a two-year college tech prep program. The second year of this program includes the courses AP Computer Science A and Honors Computer and Mobile Applications. In Honors Programming II students learn and practice key computer science concepts by designing and developing new computer and mobile applications. Students will continue to develop object-oriented programs while focusing on mobile apps. Students will design, create, install, test, and modify their own mobile apps on different devices and operating systems. Honors Programming II provides preparation for the AP Computer Science A examination while also providing a solid background for students pursuing a career in the lucrative and rapidly expanding world of computer programming and mobile app development.

## 85431 HONORS PROGRAMMING II AP Computer Science A

This course is one part of Honors Programming II and must be taken in conjunction with Honors Computer and Mobile Applications. AP Computer Science A includes items covered in most college entry-level computer science courses. The curriculum follows the outline for AP Computer Science A developed by the College Board. Topics covered include problem solving using logic, programming methodology, procedural abstraction, and the use of algorithms and data structures. Students will gain familiarity with basic syntax, classes, objects, and data types focusing on, but not limited to, the Java programming language.

## 85421 HONORS PROGRAMMING II Honors Computer and Mobile Applications

This course is one part of Honors Programming II and must be taken in conjunction with AP Computer Science A. Honors Computer and Mobile Applications provides the training for students to create applications for mobile devices using commercial and open source software. Students will write code for mobile apps that will be compatible with millions of Android and iOS devices. Students will design and create applications, install these apps on mobile devices for testing, modify them, and develop the skills needed to handle user issues. Programming concepts will be taught with product life cycle and sustainability in mind so students learn to create updatable apps that can progress with the needs of clients.

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## INTERACTIVE MEDIA I (NV) COLLEGE TECH PREP

**Year Credit:** 2 **Grade:** 11 **Est. Fee:** \$35

This is a four course program. Students take two courses junior year and two courses senior year. Over two years in interactive media students will study design techniques, creating and editing digital images, web design, and video and sound.

### Software

Apple computers and the Adobe Master Suite of programs are utilized. Programs include but are not limited to: Photoshop, Illustrator, InDesign, Dreamweaver, Flash, Premiere Pro, and After Effects.

## 8512 INTERACTIVE MEDIA I: DESIGN TECHNIQUES

Students will learn techniques for transforming photographic images, through use of digital cameras, computers, and mobile devices. To accomplish this, they will learn software photo editing techniques including layering, color correction, masking, and special effects using current commercial and open source programs and applications.

## 8511 HONORS INTERACTIVE MEDIA I: DESIGN TECHNIQUES

In addition to the requirements for Interactive Media I: Design Techniques, students will demonstrate more complex Photoshop skills, learn professional photo retouching, and complete other higher-level thinking and real-world projects.

## 8510 INTERACTIVE MEDIA I: WEB DESIGN

Students will learn the dynamics of the Web environment while pursuing an in-depth study of both Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS). Web based protocols such as FTP, TCP/IP, and HTTP will be addressed. Students will create a website with tag text elements, special characters, lines, graphics, hypertext links, and graphical tables.

## 8514 HONORS INTERACTIVE MEDIA I: WEB DESIGN

In addition to the requirements for Interactive Media I: Web Design, students will apply their skills to real-world projects, such as re-designing the Northview Website or creating a website for a client.

## INTERACTIVE MEDIA II COLLEGE TECH PREP

Year	Credit 2	Grade: 12	Est. Fee \$35
2 periods per day			

College Tech Prep

## 85111 INTERACTIVE MEDIA II: (NV) CREATING AND EDITING DIGITAL IMAGES

Students will learn to design, develop, and produce interactive media projects, web sites, and social media contexts. Students will demonstrate methods of creating professional quality media using commercial and open source software.

## 85113 HONORS INTERACTIVE MEDIA II: CREATING AND EDITING DIGITAL IMAGES

In addition to the requirements for Interactive Media II: Creating and Editing Digital Images, students will complete additional projects. These projects might include competing in Business Professionals of America contests, creating advanced After Effects work, completing work for local businesses, running the social media for sports and clubs, or completing an internship.

## 8513 INTERACTIVE MEDIA II: VIDEO AND SOUND

Students will create professional video and audio productions for distribution in traditional and new media channels. Students will plan, produce, edit, and launch media products. Students will develop scripts and storyboards, compose shots and operate cameras, capture sounds using microphone hardware, apply special effect techniques, and edit to achieve the final product. Students will be able to use animation and graphic design for video.

## 85133 HONORS INTERACTIVE MEDIA II: VIDEO AND SOUND'

In addition to the requirements for Interactive Media II: Video and Sound, students will complete additional projects. These projects might include filming and editing news broadcasts, starting your own video blog, or completing an internship.

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## 8546 HONORS COMPUTER PROGRAMMING I (NV) College Tech Prep

Year	Credit 2	Grade 11	Est. Fee \$35
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Honors Programming I is part of a two-year college tech prep program. The first year of this program includes two courses focused on teaching basic computer programming principles through problem solving. Specifically, students will learn data base management and other programming applications within the business field. Students will learn to create and test their own programs while preparing for a lucrative career in one of the best job markets in the country. Students completing Honors Computer Programming I will fulfill the Ohio Fine Arts requirement for graduation.

## MUSIC Instrumental Music

### 3770 SYMPHONIC BAND/CONCERT BAND/MARCHING BAND

Year	Credit 1	Grades 9-12	Est. Fee: Uniform Rental \$30.00
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2 periods per day

Band meets five times a week to rehearse music for performance, improve skills and learn about the art of music. In the fall and late spring, the Marching Band performs at all football halftime shows as well as several concerts and parades. The remainder of the year, two separate concert band performances include contests, concerts and opportunities for small ensemble and solo playing. Participation in both the Marching Band and Concert band is required as are all performances.

*\*A Pay-to-Participate fee is associated with this class*

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### 3750 BAND AUXILIARY

First nine weeks	Credit 1/2	Grades 9-12
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This is the Southview flag corps and majorettes. Tryouts are during the spring of each year. Any current members of the auxiliary corps must get the director's recommendation to be a continuing member of the corps. **Attendance at all Marching Band performances is required.**

*\*A Pay-to-Participate fee is associated with this class*

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### 3763 JAZZ BAND

Year	Credit 1/4	Grades 9-12
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**Prerequisite:** Enrollment in band or by permission of director

The Jazz Band is a music group organized to study and perform the different styles jazz music, such as big band dance music, pop and rock, ballads and the blues. A basic understanding of improvisational techniques is also provided. There is opportunity for limited performance through the school year. **Attendance at performances is required.**

*\*A Pay-to-Participate fee is associated with this class*

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### 3751 ORCHESTRA

Year	Credit 1	Grades 9-12
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**Prerequisite:** Eighth grade orchestra and must be able to play 2 octave scales or audition by director

The Southview Orchestra will meet one period per day, 5 days per week. Students playing string instruments will be enrolled. Wind and percussion players will be taken from the Southview band to make a "full" orchestra. Instruction will be directed toward performance. Members will be instructed in techniques and theories designed to make them better able to perform with the orchestra. **Attendance at performances is required.**

*\*A Pay-to-Participate fee is associated with this class*

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## 3760 HONORS ORCHESTRA

**Year**                      **Credit 1**                      **Grades 9-12**

The Southview Honor's Orchestra meets 5 days a week and will be for only the highly developed string student in leadership, skills and technique. The honor student is involved in much more performance outside of school. Requirements are: private lessons, perform a class "A" solo at district contest, demonstrate 3 octave scales and do quarterly projects. Attendance at all major concerts including graduation is also required.

*\*A Pay-to-Participate fee is associated with this class*

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### Vocal Music

## 3759 SYMPHONIC CHOIR

**Year**                      **Credit 1**                      **Grades 9-12**

Symphonic Choir is a mixed chorus for grades 9-12. The chorus performs a wide variety of music that is of a lesser difficulty than that of the A Cappella Choir. It is required that participating students be able to carry a simple tune. Membership is by simple audition that requires no preparation during January and February of the previous year. **Attendance at scheduled performances is required. Prerequisite:** Incoming Freshmen must have the recommendation of their Junior High vocal music instructor. It is recommended that a student wishing to become a member of A Cappella Choir or Jazz Singers take this class in preparation for success in the auditioned groups. Note: The selection of choral music is based upon its historic and musical significance and at times will have religious text. New member fees for concert attire: Women: \$100; Men: \$150.

*\*A Pay-to-Participate fee is associated with this class*

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## 3776 HONORS WOMEN'S CHORUS

**Year**                      **Credit 1**                      **Grades 10-12**

The Southview women's chorus is a new opportunity for junior and senior women with at least one year of choir experience with Mrs. Andrews. We will be performing high level literature from various time periods and styles. In order to be scheduled for this course you must be recommended by Mrs. Andrews. If you do not meet the above requirements (you are a freshmen/sophomore, or have never been in choir) you may audition with Mrs. Andrews to earn a recommendation for the course.

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## 3764 A CAPPELLA CHOIR (NV)

**Year**                      **Credit 1**                      **Grades 11-12**

Southview's most select mixed chorus. In addition to concerts, A Cappella Choir will tour at least bi-annually out-of-state, with smaller local tours also on the schedule. A wide variety of music is performed, including some of the more demanding vocal literature. Membership is by simple audition that requires no preparation, during January and February of the previous year. While not required, it is recommended that a student wishing to become a member of the A Cappella Choir participate in Women's Chorus or Men's Chorus in preparation for this auditioned group. **Attendance at scheduled performances is required.** Note: The selection of choral music is based upon its historic and musical significance and at times will have religious text. New member fees for concert attire: Women: \$100; Men: \$150. (All performing ensembles have identical concert attire.)

*\*A Pay-to-Participate fee is associated with this class*

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## 3766 HONORS A CAPPELLA CHOIR (NV)

**Year**                      **Credit 1**                      **Grades 11-12**

Honors A cappella Choir students are selected by audition only. Student selected for this elite group must be enrolled in A cappella Choir. Honors A cappella Choir students perform more frequently throughout the school year than the other performing ensembles. In addition, a greater emphasis is placed on vocal jazz performance. Students enrolled in Honors A cappella Choir must perform a solo at the Ohio Music Education Association Solo and Ensemble Contest, and must prepare auditions for District Honors Choir. Students selected for Honors A cappella Choir must exhibit the highest rehearsal and performance integrity. **Attendance at scheduled performances is required.** Note: The selection of choral literature is based upon its historical, musical and technical significance and at times will have religious text. New member fees for concert attire: Women: \$100; Men: \$150. (All performing ensembles have identical concert attire.)

*\*A Pay-to-Participate fee is associated with this class*

## SCIENCE

A full year of physical science, a full year of biological science and a full year of elective science are required for graduation.

## 3421 AP BIOLOGY

**Year**                      **Credit 1**                      **Grades 11-12**                      **Est. Fee: \$12**

**7 periods per week**

**Prerequisites:** *Physical Science or Physical Science Honors, Biology, Chemistry (concurrent) and teacher recommendation.*

**Student must have a non-programmable scientific calculator.**

This college level course is an in-depth study of molecular, cellular, organismal, and population biology. Selected laboratory activities, some requiring substantial outside research, may involve such topics as macromolecules, enzymes, photosynthesis, respiration, mineral nutrition, plant hormones, genetics, comparative plant and animal anatomy, microbiology and ecology. Topics, labs and tests prepare students for the AP Biology Exam in May.

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## 3435 ENVIRONMENTAL SCIENCE

**Year**                      **Credit 1**                      **Grade 11-12**                      **Est. Fee: \$7**

**Prerequisite:** *Physical Science and Biology*

**Student must have a non-programmable scientific calculator.**

Environmental Biology is an elective science course involving the study of ecosystems, alternative energy sources, natural resources, and environmental protection. Topics may include (but are not limited to) ecology; water quality and water treatment, soil science; air, water, and soil pollution; waste management; the growth of human populations, and the impact of this growth. The class will consist of projects, lab investigations, research projects, and presentations, both in and out of the classroom.

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## 3434 ASTRONOMY I

**Semester**                      **Credit 1/2**                      **Grades 10-12**

**Prerequisite:** *Algebra I and Physical Science or Science Honors*

**Student must have a non-programmable scientific calculator.**

Astronomy I is a general survey course first introducing the student to the night sky, its many constellations, brighter stars and motions. The historical development of astronomical thought and our place in the Universe is the second major topic of study. The course concludes with a study of the moon, lunar exploration, planets, and other bodies in our solar system. The manned and unmanned exploration of the planets will also be discussed. Field trips to local planetariums and observing session (s) (weather permitting) are planned as parts of the course. Note: Availability of this course in the 2007-2008 school year depends upon staffing constraints.

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## 3437 ASTRONOMY II (NV)

**Semester**                      **Credit 1/2**                      **Grades 10-12**

**Prerequisite:** *Physical Science*

**Corequisite:** *Algebra II*

**Student must have a non-programmable scientific calculator.**

This course in Astronomy takes an in-depth look at the Universe outside our solar system. Students will be introduced to the use of telescopes and satellites as a tool of research in Astronomy. Because our knowledge of the Universe depends on gathering various forms electromagnetic waves an understanding of the properties of light will be investigated. The majority of the course will explore the origin, formation and evolution of stars. Lab work in this course will make extensive use of computer software and the Internet.

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### 3416 FORENSIC SCIENCE

Year	Credit 1	Grade 11-12	Est. Fee: \$10
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*Prerequisite:* Physical Science 9 and Biology

Forensics is the rigorous application of science in the processing of physical evidence during criminal investigations. The field of forensic science uses analytical and empirical evidence to help support the legal system in its prosecution of the perpetrators of a crime. You will study the various principles and methods used in the sciences to evaluate evidence at a crime scene, ultimately using the evidence and your deductive reasoning skills to solve the crime. Sciences used in forensics include any discipline that can aid in the collection, preservation and analysis of evidence, such as chemistry, physics, or biology.

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### 3419 AP ENVIRONMENTAL SCIENCE

Year	Credit 1	Grade 11-12	Est. Fee \$10
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*Prerequisite:* Biology, Chemistry, and Algebra

The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science. The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. A summer assignment outside of class is required. It is expected that all students will take the AP Exam.

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### 3420 BIO/CHEM

Year	Credit 1	Grades 11-12	Est. Fee: \$8
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**Student must buy goggles (\$3 est.), and a combination lock (cost varies). Student must have a non-programmable scientific calculator.**

*Prerequisite:* Physical Science or Physical Science Honors

Bio/Chem is an integrated course combining chemistry and biology with the major emphasis on chemistry. It is designed for the 11th or 12th grade student who does not have the math prerequisite for Chem I. Topics include bio/medical applications, environmental technology, and engineering technology. It is an applications based course.

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### 3422 CHEMISTRY

Year	Credit 1	Grades 10-12	Est. Fee: \$10
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7 periods per week

**Student must buy goggles (\$3 est.) and combination lock (cost varies). Student must have a non-programmable scientific calculator.**

*Prerequisite:* Physical Science or Physical Science Honors and Algebra I  
Chemistry is a lab-lecture course. It includes topics such as atomic theory, bonding, periodic law, stoichiometry, kinetic molecular theory, gas laws, energy of reactions, solutions, equilibrium, oxidation and reduction, organic chemistry and qualitative analysis. Chemistry is designed for students who are (a) interested in a more rigorous chemistry course and/or (b) preparing for further study in science or a science-related field. (With permission of instructor, may be taken concurrently with Biology as a sophomore.)

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### 3431 HONORS CHEMISTRY

Year	Credit 1	Grades 10-12	Est. Fee: \$10
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7 periods per week

**Student must buy goggles (\$3 est.) and combination lock (cost varies).**

*Prerequisite:* Algebra I and Physical Science, teacher recommendation required

*Corequisite:* Algebra II

**May be taken concurrently with Biology. (Instructor's approval required) Student must have a non-programmable scientific calculator.**

Honors Chemistry covers the same general topics as Chemistry but at an accelerated pace and greater depth.

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### 3423 AP CHEMISTRY

Year	Credit 1	Grades 11-12	Est. Fee: \$15
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8 periods per week

**Student must buy goggles (\$3 est.) and combination lock (cost varies).**

*Prerequisites:* Physical Science, Chemistry I, Algebra I, Algebra II (can be taken concurrently), teacher recommendation

Advanced Placement Chemistry is a study of the first year of college chemistry. The topics include those on the Advanced Placement Chemistry Test. Topics such as the structure of matter, kinetic-molecular theory of gases, chemical equilibria, chemical kinetics, and basic thermodynamics are presented. This is a rigorous, fast-paced chemistry course. The grades are based primarily on tests in conjunction with homework, quiz and laboratory grades.

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### 3430 ANATOMY AND PHYSIOLOGY

Year	Credit 1	Grade 11-12	Est. Fee: \$25
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*Prerequisite:* Physical Science, Biology, Chemistry (can be taken concurrently)

**Student must have a non-programmable scientific calculator.**

Anatomy and Physiology is the study of human structure and function. The course encompasses the structure, biochemical, and biophysical processes of cells, primary tissues, and the eleven body systems with associated organs. Lecture, cat dissection and selected laboratory investigations are the basic activities of the course. (This is a senior course—junior year only as a second science, and the first science must be chemistry or physics.)

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### 3445 HONORS ANATOMY AND PHYSIOLOGY

Year	Credit 1	Grade 11-12	Est. Fee: \$25
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*Prerequisites:* Physical Science, Biology, Chemistry and teacher recommendation

**Students must have a non-programmable scientific calculator.**

Honors Anatomy and Physiology covers the same general topics as Anatomy and Physiology, but at an accelerated pace and in greater depth. It is the study of human structure and function. The course encompasses the structure, biochemical, and biophysical processes of cells, primary tissues, and the eleven body systems with associated organs. This course requires reading, writing, and oral expression, with an emphasis on higher level critical thinking skills. All students wanting to take CCP Anatomy and Physiology must enroll in this honors section. for grades 11-12

### 3425 PHYSICS

Year	Credit 1	Grades 10-12	Est. Fee: \$10
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7 periods per week

*Prerequisites:* Physical Science, Algebra II,

*Corequisite:* Precalculus or College Prep Math

**Student must have a non-programmable scientific calculator.**

This first year course in Physics covers topics in mechanics and waves with additional work in thermodynamics and electricity as time permits. The main focus of the course will be laboratory work, conceptual development and problem solving. This course is designed for college-bound students.

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### 3429 HONORS PHYSICS

Year	Credit 1	Grades 10-12	Est. Fee: \$10
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7 periods per week

*Prerequisites:* Physical Science, Algebra II, teacher recommendation

*Corequisite:* Pre-calculus or Calculus

**Student must have a non-programmable scientific calculator.**

This first year course in Physics is designed for the student who is planning on pursuing a career in a science, engineering or medical related field of study in college. Students who enroll in those programs of study are generally required to take a Physics course. Honors Physics would be the course to take in high school to prepare you for college physics. Coursework in Honors Physics will include the mechanics of motion, waves, sound, optics, and electricity. Extensive lab work, data analysis and problem solving are the main foci of the course.

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## 3426 AP PHYSICS 1

Year Credit 1 Grade 11-12 Est. Fee \$10

7 periods a week

**Corequisite:** Honors Precalculus and a teacher recommendation

AP Physics 1 will cover the same content as described by the College Board to prepare for the AP Physics 1 exam. According to the College Board: AP Physics 1 is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits.

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## 3441 HONORS RESEARCH METHODS IN SCIENCE IV

Year Credit 1 Grades 12

**Prerequisite:** Physical Science or Physical Science Honors, Research Methods in Science I, II, III, and instructor approval

Students work independently on research projects of their own design. Students work on group projects for school and community. Class involves research, project development and implementation, data analysis and preparation of report and presentations. There are opportunities to enter a variety of science competitions. Advanced students are expected to mentor Level I students who are currently in the class. This course allows students to continue their research.

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## SOCIAL STUDIES

### 3321 PSYCHOLOGY

Semester Credit 1/2 Grades 11-12

This is a survey class that offers an overview of major themes in Psychology. Topics include; research methods and history, abnormal behavior, states of consciousness, learning, memory, personality and development. Students explore topics through outside research, reports and class presentations. This course requires both written and oral expression with an emphasis on higher level critical thinking skills.

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### 3212 AP PSYCHOLOGY

Year Credit 1 Grade 11-12 Est. Fee \$2

**Prerequisites:** Overall GPA of 3.5 and/or teacher recommendation.

AP Psychology is designed to prepare students for the AP National Psychology Exam. It is equivalent to an introductory college course in psychology. The course receives honors credit. Students who successfully complete the national exam may receive and advance placement and/or waiving of course work at the university level. All areas of psychology are covered. This includes but is not limited to; history and methodology, biological basis of behavior, states of consciousness, learning and cognition, memory, personality, sensation and perceptions, motivation, social psychology abnormal psychology and child development. Students are expected to complete a considerable amount of reading in the text and supplemental materials. This course requires students to synthesize and evaluate all material presented through both oral and written format. There is a heavy emphasis on study skills and genuine class participation in activities and discussion. Space preference will go to students who have not already taken a regular Psychology course.

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## 3205 SOCIOLOGY

Semester Credit 1/2 Grades 11-12

This course will study the causes and effects of social problems in society with an emphasis on discussion and research. Students will investigate topics such as social groups; norms of society; poverty; deviant behavior; the family; aging; and crime as those issues have been considered in the past as well as their impact on today's world. Students will have an opportunity to design and conduct sociological research with encouragement to propose solutions to those problems of society they investigate.

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## WORLD LANGUAGES

### Department Recommendations and Notes

1. Because success in the third and fourth levels of a world language depends so heavily on what was learned the previous years, those with a C average or less should continue only with the permission of the teacher.
2. Fifth year students will follow an Advanced Placement course that will cover all aspects of the language. Grades for these students will be weighted.
3. In many levels of French, Spanish and German, the chosen textbook is supplemented by student-purchased workbooks and/or Scholastic Magazine. Technology provides opportunities to hear the language from native speakers.
4. Since world language is an elective, students are not permitted to enroll in one level of a language more than twice.

### 3726 CHINESE I

Year Credit 1 Grades 9-12

Chinese I is designed around the Ohio World Language Standards and the [World-Readiness Standards for Learning Languages](#) by ACTFL. The course introduces the modes of communication in interpersonal conversations, presentational writing and speaking, and interpretive reading and listening skills. Units will utilize 21st century skills and authentic resources to engage learners in relevant and meaningful use of the new language and exploration of the culture through the study of topics such as school, family and weekend activities. Students will begin to learn how to pronounce words by writing with Pin Yin (Chinese phonetic writing system). Students will also learn how to write Chinese characters. The targeted proficiency level for students at this level is Novice-Low according to the [ACTFL Proficiency Guidelines](#) or the ability to identify with words and phrases and express ideas with memorized words and phrases.

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### 3727 CHINESE II

Year Credit 1 Grades 9-12

**Prerequisite:** Chinese I

Chinese II is designed around the Ohio World Language Standards and the World-Readiness Standards for Learning Languages by ACTFL. The course continues with the modes of communication in interpersonal conversations, presentational writing and speaking, and interpretive reading and listening skills. Units will utilize 21st century skills and authentic resources to engage learners in relevant and meaningful use of the new language and exploration of the culture. The targeted proficiency level for students at this level is Novice-Mid according to the ACTFL Proficiency Guidelines or the ability to identify words and phrases and express ideas with memorized words and phrases.

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### 3728 HONORS CHINESE III

Year Credit 1 Grades 10-12 Est. Fee \$10

**Prerequisite:** Chinese II

Chinese III is designed around the Ohio World Language Standards and the World-Readiness Standards for Learning Languages by ACTFL. The course continues with the modes of communication in interpersonal conversations, presentational writing and speaking, and interpretive reading and listening skills. Units will utilize 21st century skills and authentic resources to engage learners in relevant and meaningful use of the new language and exploration of the culture. The targeted proficiency level for students at this level is Novice-High according to the ACTFL Proficiency Guidelines or the ability to describe with phrases and identify with short sentences.

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### 3700 FRENCH I

Year Credit 1 Grades 9-11 Est. Magazine Fee: \$8

French I is designed around the Ohio World Language Standards and the [World-Readiness Standards for Learning Languages](#) by ACTFL. The course introduces the modes of communication in interpersonal conversations, presentational writing and speaking, and interpretive reading and listening skills. Units will utilize 21st century skills and authentic resources to engage learners in relevant and meaningful use of the new language and exploration of the culture through the study of topics such as school, family and weekend activities. Students will learn how to pronounce French with a native accent. They will also learn about cultural aspects and traditions of French speakers. The targeted proficiency level for students at this level is Novice-Mid according to the [ACTFL Proficiency Guidelines](#) or the ability to identify with words and phrases and express ideas with memorized words and phrases.

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### 3701 FRENCH II

Year Credit 1 Grades 9-11 Est. Magazine Fee: \$8

**Prerequisite:** French I

French II is designed around the Ohio World Language Standards and the [World-Readiness Standards for Learning Languages](#) by ACTFL. The course continues with the modes of communication in interpersonal conversations, presentational writing and speaking, and interpretive reading and listening skills. Units will utilize 21st century skills and authentic resources to engage learners in relevant and meaningful use of the new language and exploration of the culture. The targeted proficiency level for students at this level is Novice-High according to the [ACTFL Proficiency Guidelines](#) or the ability to the ability to describe with phrases and identify with short sentences in present time frame.

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### 3702 HONORS FRENCH III

Year Credit 1 Grades 10-12 Est. Magazine Fee: \$8

**Prerequisite:** French II

French III Honors is designed around the Ohio World Language Standards and the [World-Readiness Standards for Learning Languages](#) by ACTFL. Units will utilize 21st century skills and authentic resources to engage learners in relevant and meaningful use of the new language and exploration of the culture. This course enables the learner to advance beyond the novice level of language acquisition. An intermediate level of competency is attained by the end of the course in speaking, writing, and interpretive reading and listening. Students will gain deeper and more complex abilities to communicate in the presentational and interpersonal modes. The targeted proficiency level for students at this level is Intermediate-Low according to the [ACTFL Proficiency Guidelines](#).

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### 3705 HONORS FRENCH IV

Year Credit 1 Grades 11-12 Est. Magazine Fee: \$8

**Prerequisite:** French III

French IV Honors is designed around the Ohio World Language Standards and the [World-Readiness Standards for Learning Languages](#) by ACTFL. This course furthers your study of French through conversation and composition. The emphasis is on proficiency through listening and reading for comprehension, interpersonal communication, and written and spoken presentations. The topics may include personal relationships, important historical figures, issues in education, and other topics that interest the students and teachers. Students will frequently access authentic francophone sources, such as fiction and nonfiction texts, as well as audio and visual including the radio or podcasts and video or film. As an immersion class, the teacher and students speak almost exclusively French. The targeted proficiency level for students at this level is Intermediate-Mid according to the [ACTFL Proficiency Guidelines](#).

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### 3706 AP FRENCH LANGUAGE & CULTURE

Year Credit 1 Grade 12 Est. Workbook Fee: \$51

**Prerequisite:** French IV

AP French Language & Culture is designed around the Ohio World Language Standards, the recommended contexts and themes by College Board, and the [World-Readiness Standards for Learning Languages](#) by ACTFL. This course seeks to develop even more language proficiency in French through listening and reading for comprehension, interpersonal communication, and written and spoken presentations. The course is similar in rigor to that of a third year college French conversation and composition course. The course will reflect the interests shared by the students and teacher across the six AP themes: the arts, families and communities, contemporary life, personal and public identities, global challenges, and science and technology. Authentic francophone materials will be used including radio, films, current events, the Internet, magazines, poems, and excerpts from other short stories, and novels. As an immersion class, the teacher and students speak exclusively French. Students should see teacher for summer project, which will be due at the beginning of the school year. The targeted proficiency level for students at this level is Intermediate-High or Pre-Advanced according to the [ACTFL Proficiency Guidelines](#).

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### 3720 GERMAN I

Year Credit 1 Grades 9-12 Est. Workbook Fee: \$15

German I is designed around the Ohio World Language Standards and the [World-Readiness Standards for Learning Languages](#) by ACTFL. The course introduces the modes of communication in interpersonal conversations, presentational writing and speaking, and interpretive reading and listening skills. Units will utilize 21st century skills and authentic resources to engage learners in relevant and meaningful use of the new language and exploration of the culture through the study of topics such as school, family and weekend activities. Students will learn how to pronounce German with a native accent. They will also learn about cultural aspects and traditions of German speakers. The targeted proficiency level for students at this level is Novice-Mid according to the [ACTFL Proficiency Guidelines](#) or the ability to identify with words and phrases and express ideas with memorized words and phrases.

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### 3721 GERMAN II

Year Credit 1 Grades 10-12 Est. Workbook Fee: \$8

**Prerequisite:** German I

German II is designed around the Ohio World Language Standards and the [World-Readiness Standards for Learning Languages](#) by ACTFL. The course continues with the modes of communication in interpersonal conversations, presentational writing and speaking, and interpretive reading and listening skills. Units will utilize 21st century skills and authentic resources to engage learners in relevant and meaningful use of the new language and exploration of the culture. The targeted proficiency level for students at this level is Novice-High according to the [ACTFL Proficiency Guidelines](#) or the ability to the ability to describe with phrases and identify with short sentences in present time frame.

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### 3724 HONORS GERMAN III

Year Credit 1 Grades 11-12 Est. Magazine Fee: \$8

**Prerequisite:** German II

German III Honors is designed around the Ohio World Language Standards and the [World-Readiness Standards for Learning Languages](#) by ACTFL. Units will utilize 21st century skills and authentic resources to engage learners in relevant and meaningful use of the new language and exploration of the culture. This course enables the learner to advance beyond the novice level of language acquisition. An intermediate level of competency is attained by the end of the course in speaking, writing, and interpretive reading and listening. Students will gain deeper and more complex abilities to communicate in the presentational and interpersonal modes. The targeted proficiency level for students at this level is Intermediate-Low according to the [ACTFL Proficiency Guidelines](#).

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### 3723 HONORS GERMAN IV

Year Credit 1 Grades 12 Est. Magazine Fee: \$8

**Prerequisite:** *German III*

German IV Honors is designed around the Ohio World Language Standards and the [World-Readiness Standards for Learning Languages](#) by ACTFL. This course furthers your study of German through conversation and composition. The emphasis is on proficiency through listening and reading for comprehension, interpersonal communication, and written and spoken presentations. The topics may include personal relationships, current events, and other topics that interest the students and teachers. Students will frequently access authentic German sources, such as fiction and nonfiction texts, as well as audio and visual including podcasts and video or film. As an immersion class, the teacher and students speak almost exclusively German. The targeted proficiency level for students at this level is Intermediate-Mid according to the [ACTFL Proficiency Guidelines](#).

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### 3730 SPANISH I

Year Credit 1 Grades 9-11 Est. Magazine Fee: \$8

Spanish I is designed around the Ohio World Language Standards and the [World-Readiness Standards for Learning Languages](#) by ACTFL. The course introduces the modes of communication in interpersonal conversations, presentational writing and speaking, and interpretive reading and listening skills. Units will utilize 21st century skills and authentic resources to engage learners in relevant and meaningful use of the new language and exploration of the culture through the study of topics such as school, family and weekend activities. Students will learn how to pronounce Spanish with a native accent. They will also learn about cultural aspects and traditions of Spanish speakers. The targeted proficiency level for students at this level is Novice-Mid according to the [ACTFL Proficiency Guidelines](#) or the ability to identify with words and phrases and express ideas with memorized words and phrases.

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### 3731 SPANISH II

Year Credit 1 Grades 9-12 Est. Magazine Fee: \$8

**Prerequisite:** *Spanish I*

Spanish II is designed around the Ohio World Language Standards and the [World-Readiness Standards for Learning Languages](#) by ACTFL. The course continues with the modes of communication in interpersonal conversations, presentational writing and speaking, and interpretive reading and listening skills. Units will utilize 21st century skills and authentic resources to engage learners in relevant and meaningful use of the new language and exploration of the culture. The targeted proficiency level for students at this level is Novice-High according to the [ACTFL Proficiency Guidelines](#) or the ability to describe with phrases and identify with short sentences in present time frame.

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### 3732 HONORS SPANISH III

Year Credit 1 Grades 10-12 Est. Magazine Fee: \$8

**Prerequisite:** *Spanish II*

Spanish III Honors is designed around the Ohio World Language Standards and the [World-Readiness Standards for Learning Languages](#) by ACTFL. Units will utilize 21st century skills and authentic resources to engage learners in relevant and meaningful use of the new language and exploration of the culture. This course enables the learner to advance beyond the novice level of language acquisition. An intermediate level of competency is attained by the end of the course in speaking, writing, and interpretive reading and listening. Students will gain deeper and more complex abilities to communicate in the presentational and interpersonal modes. The targeted proficiency level for students at this level is Intermediate-Low according to the ACTFL Proficiency Guidelines.

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### 3735 HONORS SPANISH IV

Year Credit 1 Grades 10-12 Est. Fee \$8

**Prerequisite:** *Spanish III*

Spanish IV Honors is designed around the Ohio World Language Standards and the [World-Readiness Standards for Learning Languages](#) by ACTFL. This course furthers your study of Spanish through conversation and composition. The emphasis is on proficiency through listening and reading for comprehension, interpersonal communication, and written and spoken presentations. The topics may include the environment, family life, life in a city, current events, and food as a study of culture, as well as other topics that interest the students and teachers. Students will frequently access authentic Spanish language sources, such as fiction and nonfiction texts, as well as audio and visual including the radio or podcasts and video or film. As an immersion class, the teacher and students speak almost exclusively Spanish. The targeted proficiency level for students at this level is Intermediate-Mid according to the [ACTFL Proficiency Guidelines](#).

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### 3736 AP SPANISH LANGUAGE

Year Credit 1 Grades 12 Est. Fee \$47

**Prerequisite:** *Spanish IV*

AP Spanish Language & Culture is designed around the Ohio World Language Standards, the recommended contexts and themes by College Board, and the [World-Readiness Standards for Learning Languages](#) by ACTFL. This course seeks to develop language proficiency in Spanish through listening and reading for comprehension, interpersonal communication, and written and spoken presentations. The course will reflect the interests shared by the students and teacher across the six AP themes: the arts, families and communities, contemporary life, personal and public identities, global challenges, and science and technology. Authentic Spanish and Hispanic materials will be used including radio, films, current events, the Internet, magazines, poems, and excerpts from other short stories, novels. As an immersion class, the teacher and students speak exclusively Spanish. This course prepares students to take the AP Spanish Language and Culture exam at the end of the year. Students should see teacher for summer project, which will be due at the beginning of the school year. The targeted proficiency level for students at this level is Intermediate-High or Pre-Advanced according to the [ACTFL Proficiency Guidelines](#).

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## OTHER

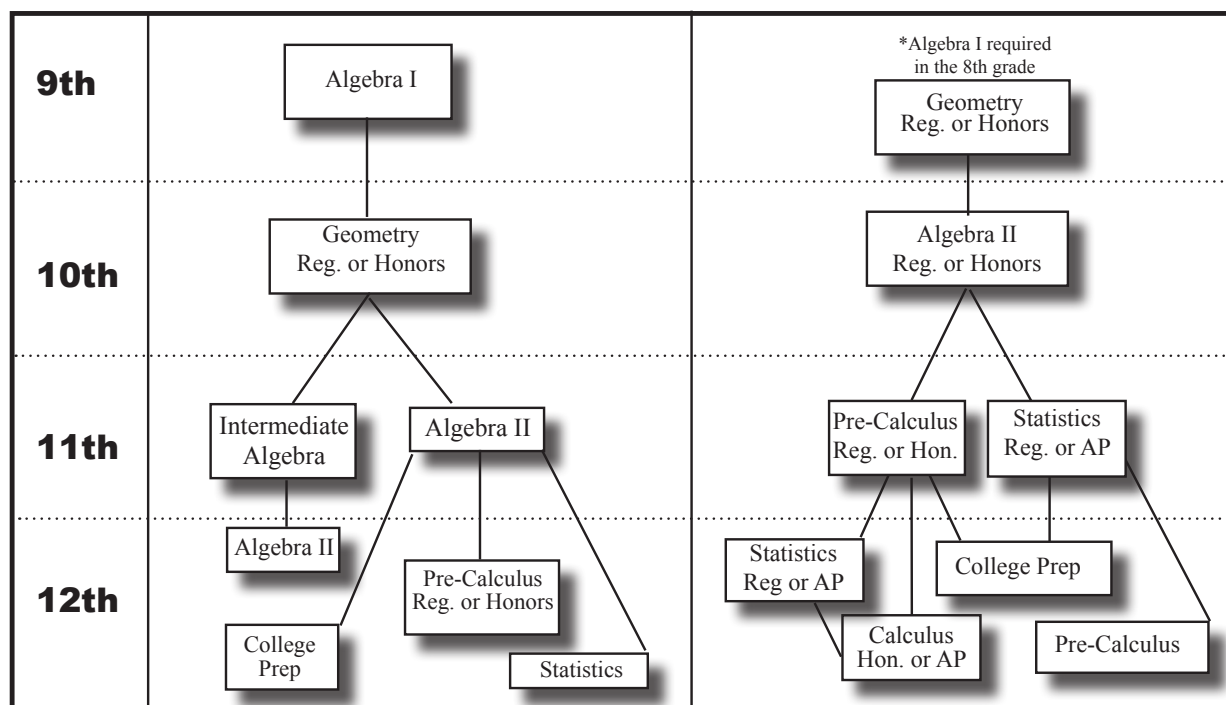
### 3160 TEST PREPARATION

Semester Credit 1/2 Grades 11-12 Est. Fee \$30

The Test Preparation class is designed to familiarize sophomores and juniors with the tests required for admission by many universities, including the following: PSAT, ACT, SAT, and AP. Well-prepared students are more likely to score higher on these tests, which may increase their chances of earning scholarships and opening more options when selecting a college. Students will learn test-taking strategies, review English, math, and science content, take practice tests and discover ways to reduce test anxiety. The course involves diagnostic assessments on test performance embracing a wide range of standards and testing approaches, followed by individualized coaching and skill-building, re-assessments, and summative assessments.



## Southview Math Department



Notes:

Reg. = regular

Hon. = honors

AP = Advanced Placement

- Four year colleges recommend students complete Algebra II. All tracks can lead to Algebra II.
- Statistics may be taken concurrently with any course after Algebra II.
- 4 credits required.

## Create Your Four Year Plan

Name _____					
SUBJECT AREAS	GRADE 9 CLASSES/CREDIT	GRADE 10 CLASSES/CREDIT	GRADE 11 CLASSES/CREDIT	GRADE 12 CLASSES/CREDIT	TOTAL CREDITS
English					
Mathematics					
Science					
Social Studies					
World Languages					
Health					
Physical Education					
Art (BTFA or FA)					
Technology					
Elective:					
Elective:					
Elective:					
Elective:					
Total Credits					

See Page 4 for Graduation Requirements