

# Southgate Anderson High School



2020-2021

Course

## Description Guide

This guide is available online at [www.southgateschools.com](http://www.southgateschools.com).  
Click on the link to Anderson High School.

Student's Name \_\_\_\_\_

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## **NONDISCRIMINATION POLICY AND REGULATIONS**

It is the policy of the Board of Education and the School District not to unlawfully discriminate on the basis of handicap, race, color, religion, national origin, sex, age, marital status, height, or weight. The District reaffirms its policy to comply with title VI and VII of the Civil Rights Act of 1964, the Rehabilitation Act of 1973, the Elliot-Larsen Civil Rights Act, the Michigan Handicap's Civil Rights Act, American with Disabilities Act of 1990, and all other applicable Federal and State laws and regulations prohibiting discrimination.

Grievance Procedures for Title VI of the Education Amendment Act of 1972, Title IX of The Education Amendment Act of 1972, Section 504 of The Rehabilitation Act of 1973, and the Americans with Disability Act of 1990.

### **SECTION I**

If any person believes that the Southgate Community school district or any part of the school organization has inadequately applied the principles and/or regulations of (1) Title VI of the Education Amendment Act of 1972 (2) Title IX of the Education Amendment Act of 1972, and (3) Section 504 of the Rehabilitation Act of 1973, Americans with Disability Act of 1990, he/she may bring forward a complaint which shall be referred to as a grievance, to the local Civil Rights Coordinator at the following Address:

Southgate Board of Education  
13940 Leroy Southgate, MI 48195  
(734) 246-4600

### **SECTION II**

The person who believes he/she has a valid basis for grievance shall discuss the grievance informally and on a verbal basis with the local Civil Rights Coordinator, who shall in turn investigate the complaint and reply with an answer to the complaint. He/she may initiate formal procedures according to the following steps.

Step 1:

A written statement of the grievance signed by the complainant shall be submitted to the local Civil Rights Coordinator within ten (10) business days of receipt of answers to the informal complaint. The Coordinator shall further investigate the matters of grievance and reply in writing to the complainant within ten (10) business days.

Step 2:

If the complainant wishes to appeal the decision of the local Civil Rights coordinator, he/she may submit a signed statement of appeal to the Superintendent of School within five (5) business days after receipt of the Coordinator's response. The Superintendent shall meet with all parties involved, formulate a conclusion and respond in writing to the complainant within ten (10) business days.

Step 3:

If the complainant remains unsatisfied, he/she may appeal through a signed, written statement to the Board of Education within five (5) business days of the receipt of the Superintendent's response in step two. In attempting to resolve the grievance, the Board of Education shall meet with the concerned parties and their representatives within forty (40) days of receipt of such an appeal. A copy of the Board's disposition shall be sent to each concerned party within ten (10) days of this meeting.

Step 4:

If at this point, the grievance has not been satisfactorily settled, further appeal may be made to the Office for Civil Rights, Department of Education, Washington, D.C. 20201. Inquiries concerning the nondiscriminatory policy may be directed to the Director, Office for Civil Rights, Department of Education, Washington, D.C. 20201.

The local Coordinator, on request, will provide a copy of the District's grievance procedure and investigate all complaints in accordance with this procedure. A copy of each of the Acts and Regulations on which this notice is based may be found in the Civil Rights Coordinator's office.

## Southgate Anderson School Directory

<b>Southgate Anderson High School</b>	246-4611
<b>Administration</b>	
Duane Lyons - Principal ( <a href="mailto:lyonsd@sgate.k12.mi.us">lyonsd@sgate.k12.mi.us</a> )	
Beth Goudreau - Administrative Assistant ( <a href="mailto:goudreaum@sgate.k12.mi.us">goudreaum@sgate.k12.mi.us</a> )	ext. 2298
Dave Pinkowski - Asst. Principal/Athletic Director ( <a href="mailto:pinkd@sgate.k12.mi.us">pinkd@sgate.k12.mi.us</a> )	
Liz McNeese - Administrative Assistant ( <a href="mailto:mcneese@sgate.k12.mi.us">mcneese@sgate.k12.mi.us</a> )	ext. 2294
Kelsey Tackett - Asst. Principal/CTE Director ( <a href="mailto:tackettk@sgate.k12.mi.us">tackettk@sgate.k12.mi.us</a> )	
Emily Kolomitz - Administrative Assistant ( <a href="mailto:kolomitze@sgate.k12.mi.us">kolomitze@sgate.k12.mi.us</a> )	ext. 2291
<b>Attendance Office</b>	
Answering machine for parents	246-4611
<b>Counseling Office</b>	
Kristin Stewart - Counseling Department Head ( <a href="mailto:stewartk@sgate.k12.mi.us">stewartk@sgate.k12.mi.us</a> )	ext. 2285
Sarah Denman - Administrative Assistant ( <a href="mailto:denmans@sgate.k12.mi.us">denmans@sgate.k12.mi.us</a> )	ext. 2268
Steve Oxer - Counselor ( <a href="mailto:oxers@sgate.k12.mi.us">oxers@sgate.k12.mi.us</a> )	ext. 2286
Liz Hanna - Counselor ( <a href="mailto:hannael@sgate.k12.mi.us">hannael@sgate.k12.mi.us</a> )	ext. 2287
Rachael Cannon - Counselor ( <a href="mailto:cannonr@sgate.k12.mi.us">cannonr@sgate.k12.mi.us</a> )	ext. 2288
<b>Department Heads</b>	
Wendy Smith - Math ( <a href="mailto:smithw@sgate.k12.mi.us">smithw@sgate.k12.mi.us</a> )	ext. 2235
Stephanie Wesley - Math ( <a href="mailto:wesleys@sgate.k12.mi.us">wesleys@sgate.k12.mi.us</a> )	ext. 2230
Paula Warren - English ( <a href="mailto:warrenp@sgate.k12.mi.us">warrenp@sgate.k12.mi.us</a> )	ext. 2226
Amy Myers - English ( <a href="mailto:myersa@sgate.k12.mi.us">myersa@sgate.k12.mi.us</a> )	ext. 2227
Ryan Furkas - Social Studies ( <a href="mailto:furkasr@sgate.k12.mi.us">furkasr@sgate.k12.mi.us</a> )	ext. 2224
Roxanne Cozza - World Languages ( <a href="mailto:cozzar@sgate.k12.mi.us">cozzar@sgate.k12.mi.us</a> )	ext. 2242
Amanda Herrick-Kujat - Science ( <a href="mailto:kujata@sgate.k12.mi.us">kujata@sgate.k12.mi.us</a> )	ext. 2213
Jackie McKay - Art, Music, PE, FCS ( <a href="mailto:mckayj1@sgate.k12.mi.us">mckayj1@sgate.k12.mi.us</a> )	ext. 2260
Chris Barlage - Business, CTE ( <a href="mailto:barlagec@sgate.k12.mi.us">barlagec@sgate.k12.mi.us</a> )	ext. 2203
Katie Birch - Special Education ( <a href="mailto:birchk@sgate.k12.mi.us">birchk@sgate.k12.mi.us</a> )	ext. 2237
<b>Library/Media Center</b>	
Denise Cunningham ( <a href="mailto:cunninghamd@sgate.k12.mi.us">cunninghamd@sgate.k12.mi.us</a> )	ext. 2267
<b>Special Services</b>	
Katie Birch ( <a href="mailto:birchk@sgate.k12.mi.us">birchk@sgate.k12.mi.us</a> )	ext. 2237
Nicole Gruver ( <a href="mailto:gruvern@sgate.k12.mi.us">gruvern@sgate.k12.mi.us</a> )	ext. 2231
<b>Security Coordinator</b>	
Keith Garland ( <a href="mailto:garlandk@sgate.k12.mi.us">garlandk@sgate.k12.mi.us</a> )	ext. 2274
<b>Social Worker</b>	
Karen Dunholter ( <a href="mailto:dunholtek@sgate.k12.mi.us">dunholtek@sgate.k12.mi.us</a> )	ext. 2284
<b>ISS/Tardy Sweeps</b>	
Derek Marcum ( <a href="mailto:marcumd@sgate.k12.mi.us">marcumd@sgate.k12.mi.us</a> )	ext. 2329

## Graduation Requirements

Required Courses - 18 credits  
Elective Courses - 4 credits  
Total Credits needed to Graduate - 22

### English \_\_\_\_\_ 4 credits

English 9 A & B  
American Literature A & B  
Two additional English courses OR AP Language & Composition (full year)  
British Literature & Composition A & B or AP Literature & Composition A & B

### Mathematics \_\_\_\_\_ 4 credits

Algebra 1  
Algebra 2  
Geometry  
An additional class in math or math-related course taken in your final year of high school

### Social Studies \_\_\_\_\_ 3 credits

US History 1 & 2  
World History & Geography 1 & 2  
American Civics (.5 credits)  
Economics (.5 credits)

### Science \_\_\_\_\_ 3 credits

Biology  
Physical Science, Anatomy & Physiology, Physics or Chemistry  
An additional science course or 2 year CTE completion

### Physical Education \_\_\_\_\_ .5 credits

One PE class or 4 years of marching band, 4 seasons of sports, or 3 years JROTC

### Health \_\_\_\_\_ .5 credits

### World Language \_\_\_\_\_ 2 credits

2 credits of the same world language  
Or 1 credit of world language and a second credit in VPAA or CTE program  
Or 1 credit of world language and two Middle School classes in the same language

\* Your college and/or career plans will determine the best way for you to fulfill this requirement.

### Visual, Performing and Applied Arts \_\_\_\_\_ 1 credit

Please see the list of the VPAA approved courses

## Required Testing

**Michigan Merit Examination (MME)** : Includes the Michigan Student Test of Educational Progress (M-Step) or alternate state-approved exams and the AHS senior research project must be completed to graduate. The ACT Workkeys assessment is also required as a part of the MME.

**Xello College and Career Readiness Assessment:** is a series of interest/aptitude assessments that are administered every year to assist students in setting future goals, including career pathway and college major.

**PSAT/NMSQT:** The Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test may be given annually at Southgate Anderson High School in the spring to Freshmen, Sophomores and/or Juniors. Freshmen and Sophomores are required to take the PSAT 8/9 and 10 tests for reading, writing and language, and math; these are given annually at Southgate Anderson High School. These test results may be used to determine whether students need academic intervention in a particular subject, or if they are ready to be challenged via extension activities.

**SAT:** The Scholastic Aptitude Test is required for all juniors as the College Readiness Test component of the state-mandated testing in the spring and available to seniors in the fall. This test may be required by an out-of-state college. The SAT is not recommended for students to take before their junior year. Students should check online at [www.collegeboard.com](http://www.collegeboard.com) for the exact dates this test will be administered and for information on registration and cost.

**NWEA/MAP Growth:** Students in grades 9-11 take the NWEA/MAP Growth test three times a year. This test measures academic growth in Language Usage, Reading, Science, and Social Studies. Student results are based on a comparison to the scores of demographically-similar students, and are reported both as scores and percentile rankings. These test results may be used to determine whether students need academic intervention in a particular subject, or if they are ready to be challenged via extension activities.

## Optional Testing

**ACT:** A student's score will count for admission to post-secondary institutions in Michigan. Students who wish to take the ACT will do so on their own time and at their own expense on a nationally scheduled Saturday for the college reportable score.

**Advanced Placement Examinations:** These exams are administered to students at Southgate Anderson High School during the school day each spring. Many colleges grant credit for high scores on these exams. Counselors will visit the classrooms to sign students up for the test and collect the test fee. Enrollment in available AP Courses prior to testing is recommended. Those enrolled in AP courses are highly encouraged to take the tests. Eligible students may take the AP test free. See counselor for information and application.

## Visual, Performing, and Applied Arts (VPAA) Credit

A minimum of one credit in Visual, Performing, and Applied Arts (VPAA) is a graduation requirement for all students. The courses identified below count toward fulfilling the VPAA requirement. Please note that a course taken to meet the VPAA requirement cannot be used to fulfill other graduation requirements. Please see your counselor if you have any questions about the VPAA requirement.

### Band

Freshman Band  
Concert Band  
Choir

Symphonic Band  
Jazz Band

### Art

Art Exploration  
General Art 3D  
Fine Art 2 (A & B)  
Painting  
Intermediate Ceramics & Sculpture

General Art 2D  
Fine Art 1 (A & B)  
Fine Art 3 (A & B)  
Beginning Ceramics & Sculpture  
Advanced Ceramics & Sculpture

### Career and Technical Education (CTE)

Graphic Communications 1 & 2  
Construction Trades 2 (full year)  
Mechatronics 2 (full year)  
Entrepreneurship

Construction Trades 1 (full year)  
Mechatronics 1 (full year)  
Marketing (full year)  
Entrepreneurship Q

### Business, Management, Marketing, & Technology

Marketing  
Business Management & Technology  
Web Design 3  
Entrepreneurship

Business Communications & Technology  
Web Design 1 & 2  
Web Design 4  
Entrepreneurship Q

### Language Arts

Technology Based Yearbook Design

## Math Related Credit

The Michigan Merit Curriculum requires four credits of mathematics for graduation. The requirement includes Algebra 1, Geometry, Algebra 2, and one additional math or math-related class. A math class must also be taken in the senior year. If you have any questions about math or math-related credit, please contact your counselor.

The following courses offered are being recommended as meeting the criteria for math-related credit.

Accounting & Advanced Accounting = Senior math credit  
Construction Trades 1 & 2 = Senior math credit  
Financial Wealth Management A & B = Senior math credit  
Graphic Communications 1 & 2 = Senior math credit  
Marketing & Entrepreneurship = Senior math credit

## Counseling Services

At Southgate Anderson High School, it is the mission of the counseling department to assist all students in the attainment of personal, educational and professional goals. In order to accomplish our mission, the Counseling Department provides, among other things, the following services: personal counseling, group and classroom counseling, counseling website, college and career planning, and counseling career center. All students may access counseling services via self-referral, teacher, parent, or administrative referral.

Students are assigned by grade/alphabet to a particular counselor and they follow that counselor throughout their time at SAHS. For all educational counseling concerns, students will work with their assigned counselor to develop a relevant and meaningful plan for achieving postsecondary career goals. Counselors will also assist in choosing a career pathway and selection of coursework to fulfill the academic goals of that pathway. Educational Development Plans (EDP) are updated annually.

**Student Scheduling:** Student scheduling is a joint administrative, counselor, and teacher function. Student selections must be approved by the parent or guardian and reviewed by the counselor.

**Schedule Change Request and Withdrawal:** Student academic schedules are the result of an immense investment of time on behalf of students, parents, counselors, teachers, and high school principals. The process is driven by the choices made by students and parents during registration. Throughout the spring and summer, preparations for the following school year are made based upon student demand for given courses. These preparations include the hiring of new staff members and the scheduling of existing personnel and facilities. Therefore, changes to student schedules in the fall can be detrimental to the high school program and are only made after a compelling reason has been identified. A “compelling reason” is defined as one of the following:

1. A schedule does not account for work taken during summer school.
2. A schedule does not include a requirement for graduation which must be fulfilled this year.
3. A schedule includes one or more classes for which certain prerequisites have not been met.
4. A schedule is incomplete (does not include/cover six class periods each day).
5. A schedule includes one or more classes which have already been passed and may not be repeated for credit.

If a schedule contains such an error or omission, it is the student’s responsibility to see his or her counselor before the beginning of the semester. During the school year itself, withdrawal from courses and schedule changes are prohibited. Exceptions to this rule exist under certain rare circumstances when one of the preceding five conditions applies.

If a student is misplaced in a course, a schedule change request may be approved after all reasonable efforts have been made to accommodate the student in class. In such cases, an agreement must be reached between teacher, parent, student, and counselor prior to the change.

For all schedule change requests during the school year, a student begins the process by signing into the computer in the Counseling Office. A counselor will meet with the student to understand the nature of the request and determine the next, if any, appropriate steps. Students may not miss class to change a schedule, nor will student/parent telephone requests be honored.

The intent of this policy is to arrive at decisions in the best interest of the student based upon the involvement of both the student and his/her parents and the professional judgment of teachers, counselors, and administrators while simultaneously taking into consideration the impact of such changes on the educational program of the high school as a whole. Numerous schedule changes are not an educational best practice and are to be avoided whenever possible. This policy also seeks to preclude students from dropping classes without providing sufficient effort required for success.



**Beliefs:** We believe that all students can learn and are entitled to pursue their life and career goals through appropriate courses taken in sequential order. Students are encouraged to pursue a rigorous program that will adequately prepare them for both immediate and long-term goals. Parents, administrators, teachers, and counselors are valuable resources for students. Consulting with appropriate adults will only enhance the students' choices. The courses selected this year will build the foundation for future experiences. With this in mind, the selection of courses should be given careful consideration. We believe that each student should be reasonably challenged in his/her courses.

**Grade Level Classification:** Beginning in ninth grade, your grade is determined by completion of the state required classes at proficient levels and standardized assessment of grade level readiness. If you do not attain the minimum number of credits per school year, you may be reclassified. Also, you must earn a minimum number of credits and successfully complete the state mandated curriculum in order to graduate from Southgate Anderson.

### **Statement of Right to Make Changes**

The Southgate Community School District Board of Education, in response to sound educational reasons, school improvement plans, or state-mandated programs, reserves the right to make changes in the graduation requirements provided students are given sufficient time to comply with the new requirements.

**Credits:** Credit is given for courses you take and pass at the proficient level during high school. The proficient level will be 60%. For each course you successfully complete each semester, you earn 1/2 credit. This means that you can earn up to 3.0 credits each semester; up to 6 credits each year you are in school.

## **Special Services Education**

Those students identified by a psychologist or social worker and a team of appropriate persons as qualifying for Special Education services will be provided a continuum of excellent programs. Students who will best benefit from inclusion in regular programs will be served on a teacher consultant basis. The Special Education teacher works with the general education teacher to provide an optimum learning experience for the individual student.

Students requiring adjusted classes beyond what can be provided by the general classroom experience are offered separate education classes. These classes have smaller numbers of students and each student is offered an opportunity for academic success. An educational plan, combined with personal effort from the student, can assist with the fulfillment of requirements leading to the high school diploma. Students will be assigned all classes during the yearly meeting of the appropriate team members.

Those students who require full-time Special Education programs may qualify to attend the PAES Program in Trenton. Students will be enrolled in programs leading to careers which meet the needs and interests of each student.

## **Dual Enrollment**

Historically, school districts have, in an effort to meet students' needs and interests, allowed their students to attend courses at local colleges or universities, in addition to their own school. The Postsecondary Enrollment Options Act (1996 PA 160) and the Career and Technical Preparation Act (2000 PA 258) require school districts to support dual enrollment. These laws direct school districts to assist students in paying tuition and fees for courses at Michigan public or private colleges or universities, if all of the following conditions are met:

1. A student must provide recent assessment results showing that they are college ready from one of the following; (ACT/MME/PLAN/SAT/PSAT 8/9/PSAT 10)

2. The student must be in good standing at AHS. Good standing shall be determined by the student having acquired the designated number of credits at the time of registration, less than ten absences the previous semester and no discipline that has resulted in suspension.
3. Coursework must be academic in nature and/or follow a specific career pathway.
4. A course may not be taken if a similar course is offered at SAHS unless there is a scheduling conflict.
5. A student must provide their own transportation to and from the university
6. The student must provide SAHS with a final transcript from the university, upon completion of the college course, detailing the course grade.
7. If applicable, the family of the student must pay the difference of the course not covered by the state allowance for the portion of coursework taken that semester.

In the event the student taking the college coursework should not complete the course, the family will be responsible to reimburse Southgate Community Schools the full tuition amount.

In the event the student is dropped from the course due to misconduct (plagiarism/cheating/other), the family will be responsible to reimburse Southgate Community Schools the full tuition amount.

The student must determine in advance whether the course will be counted towards SAHS credit, college credit or both. However, the NCAA requires that all college bound student athletes have all core courses used for collegiate athletic eligibility must indicate a grade and be calculated into the pupil's high school GPA.

If you believe your student is eligible for dual enrollment and wishes to participate, you must make a timely appointment with the counselor to review the options and start the process. **NO DUAL ENROLLMENT PAPERWORK WILL BE HONORED UNLESS THE COUNSELOR and ADMINISTRATOR SIGNS FIRST.**

## **21f Online Courses**

Students may request to enroll in a 21f Course. Enrollment for 21f courses take place during the same window as face-to face course registration occurs. The Enrollment Form must be completed by the student and parent. The Enrollment Form is submitted to the student's guidance counselor. The student will then take an Online Readiness Survey with the counselor. The student and parent will complete the Online Contract and submit all of the materials to the building administrator. The building administrator will review all materials including current transcript information, historical performance in online courses, timelines, and course information. The building administrator will approve or deny enrollment based on the above criteria.

## **Testing Out**

You may have developed special skills outside of school that most people your age have not acquired. Because of this, you may choose to not enroll in a required course by "testing out." "Testing out" will earn part of the minimum credits needed for graduation if passed at 78%. Grades will not be given or counted in GPA. This will give you other opportunities for more advanced or specialized courses. Testing out forms are available in each building's Counseling Office and must be returned by stated deadlines.

## **Career Pathway and Educational Development Plan General Information**

### **What is a career Pathway?**

Career Pathways are large groups of careers that share similar characteristics and whose employment requirements call for many common interests, strengths and skills. Your chosen Career Pathway may be modified throughout your time in high school by working with the counseling staff.

### **Why do I need to understand career pathways?**

All students in the State of Michigan are required to align the classes they take with a Career Pathway. Following a career pathway makes it easier for you to identify career choices among the thousands of different occupations available to you. Career pathways can help you develop a plan to prepare for your chosen career interest area. Your high school classes should be chosen based on your chosen pathway. Decisions concerning the type of continuing education that may be required after high school can also be made based on your career pathway. Examples of continuing education include: Apprenticeships, Two-year college degrees, Four-year college degrees, and trade specific Certification programs, (many are offered at the Community College level.)

### **How many pathways are there?**

The State of Michigan and Southgate Anderson High School have Six Career Pathways:

- Arts & Communications
- Business, Management, Marketing and Technology
- Engineering/Manufacturing and Industrial Technology
- Health Services
- Human Services
- Natural Resources and Agriscience

### **Who can help me understand career pathways?**

Many different people are interested in helping you learn about Michigan's Career Pathways including teachers, parents and other family members, counselors, community members, business leaders and business owners.

### **What is an educational development plan?**

An Educational Development Plan, or EDP is a blueprint of your high school education. It will help you focus and plan for your chosen area of interest during high school and into post-secondary education. Your counselor can help in the selection of challenging courses that will be needed to provide you with the best preparation to be successful in your chosen pathway.

The Career Pathways are provided to assist students and parents in selecting courses for the remainder of high school that are appropriate for career goals and interests. Ability Profiler is administered during your 10th grade year to assist in choosing a career pathway. The EDP must be completed with courses that (a) are required, (b) match career plans, and (c) are other elective choices supporting and enhancing career choices.

# The Six Career Pathways



## **Arts & Communications**

Careers related to humanities and the performing, visual, literary, and media arts.



## **Business, Management, Marketing, & Technology**

Careers related to all aspects of business including accounting, business administration, finance, information processing, and marketing.



## **Engineering/Manufacturing & Industrial Technology**

Careers related to technologies necessary to design, develop, install, or maintain physical systems.



## **Health Sciences**

Careers related to the promotion of health as well as the treatment of injuries, conditions and diseases.



## **Human Services**

Careers in child care, civil service, education, hospitality, and social services.



## **Natural Resources and Agriscience**

Careers related to natural resources, agriculture, and the environment.

## Career & Technical Education (CTE)

The Career and Technical Education (CTE) Department provides educational programs for students with initiative and talent to become skilled craftspeople, technicians, or professionals. The ultimate goal of all courses of study is successful employment in a chosen career pathway. Students who choose these courses may find employment immediately upon graduation. They may seek additional training through an apprenticeship, at a technical or business school, community, or local college for an Associates Degree, or they may plan to attend a four-year college or university. All students who enroll in a CTE program should plan on some sort of additional training. Students need to remember that more training is necessary if one expects to advance to higher careers.

### **Downriver Career Technical Consortium (DCTC):**

The DCTC is composed of nine school districts in the Downriver Area. It is the responsibility of the consortium to coordinate the sharing of CTE programs and academic offerings corresponding to the chosen career pathway. (i.e. If your selected CTE course is not offered at Anderson, students may attend that course at a member district).

After the successful completion of a DCTC program, students may receive the following additional credits:

- 1 VPAA Art Credit
- 1 Senior Math Credit
- 1 Science Credit
- Second Year Foreign Language

### **Agriscience 1**

**Full Year**

**3 credits**

**10-12th grade**

**Prerequisite: CTE approval**

#### **Airport**

This class includes a study of domesticated and wild animals. Areas of study include; breed and species origins, systems, nutrition, genetics, disease, use, and current animal issues such as animal rights and welfare. Students will have animal labs (including dissection) and activities to help them understand the animal's body and behaviors. This course will make students aware of career opportunities in the areas of animal science and production. FFA participation is mandatory and the course has been designed for those students who want a true Agriscience experience. FFA participation will develop leadership, cooperation, career, and personal skills which are vital in today's world.

### **Agriscience 2**

**Full Year**

**3 credits**

**10-12th grade**

**Prerequisite: CTE approval**

#### **Airport**

This course will focus on plant parts, function, use, classification and specific forms of plant production. Practical applications in forestry, landscaping, greenhouse production, pesticides, conservation and crop production will illustrate the need and use for plants in our society and environment. Major Natural Resource topics of study include: wildlife, forestry, soil, air, water, minerals and energy sources. This course will make students aware of career opportunities in the areas of plant science and production, natural resources and conservation. Agricultural Business and marketing will also be explored. FFA participation is mandatory and course has been designed for those students who want a true Agriscience experience. FFA participation will develop leadership, cooperation, career, and personal skills which are vital in today's world.

### **Army Junior Reserve Officers Training Corps (AJROTC)**

All AJROTC courses fall under the Human Services Career Pathway. AJROTC is a program designed to motivate young people to be better citizens. The program of instruction helps today's students develop goal setting and communication skills as well as leadership skills in preparation for the post high school environment. The AJROTC curriculum known as Leadership Education and Training (LET) is a developmental program instructed within the framework of military organization and discipline. There is

no service obligation associated with this course; however, enlistment in the Armed Forces at a higher pay grade is possible with the successful completion of 3.0 credit hours of AJROTC. Additionally, Cadets who complete JROTC may receive VPAA credit as well having their .5 hours of PE Credit required for graduation waived. Uniforms and textbooks are provided at no charge. Physical fitness is a required activity as well as drill and ceremony (marching). Specific course descriptions follow.

**JROTC 1A & 1B** **Full Year** **1 credit** **9-12th grades**  
**Southgate Anderson**

This is an introductory course presenting basic knowledge to prepare a Cadet for LET training courses to follow. Major emphasis is placed on leadership, citizenship, techniques of communication, customs and courtesies of the military, first aid, map reading, proper wear of the uniform and physical fitness testing and instruction. Cadets are referred to as LET 1. This class is offered each semester.

**JROTC 2A & 2B** **Full Year** **1 credit** **10-12th grades**  
**Prerequisite: JROTC 1A & 1B**  
**Southgate Anderson**

This is a second year course designed to expand on topics introduced in JROTC 1. It includes classes on foundations of success, study skills, conflict resolution and preliminary financial planning. Cadets progress to advanced drill and ceremony, begin inspecting uniforms, participate in service learning project, and present oral projects. Physical fitness and health classes are expanded and Cadets lead PT sessions each week. Cadets are referred to as LET 2. This class is offered each semester.

**JROTC 3A & 3B** **Full Year** **1 credit** **11-12th grades**  
**Prerequisite: JROTC 2A & 2B**  
**Southgate Anderson**

This is a third year course designed to expand on topics introduced in JROTC 2. It includes classes on foundations of success, continued study skills, conflict resolution, geography and map skills, wellness and first aid, and financial planning. Cadets continue advanced drill and ceremony, conduct uniform inspections, participate in service learning projects, and continue public speaking style presentations. Physical fitness and health classes are expanded and Cadets lead PT sessions each week. Cadets are referred to as LET 3. This class is offered each semester.

**JROTC 4A & 4B** **Full Year** **1 credit** **12th grade**  
**Prerequisite: JROTC 3A & 3B**  
**Southgate Anderson**

This is a fourth year course designed to provide advanced instruction in the application of leadership principles. It provides senior Cadets the opportunity to utilize their skills and mastery of drill and ceremony to train other Cadets. Under the supervision of the Senior Army Instructor and the Army Instructor, these Cadets are afforded the opportunity to refine teaching skills, assist in lesson presentation, and evaluate Cadet Performance. These Cadets are afforded time to participate in college prep/credit courses, citizenship projects, and plan service learning projects. Weekly uniform inspections, drill and ceremony and physical fitness expectations improve as experience levels increase. Cadets are referred to as LET 4. This class is offered each semester.

**Architectural Drafting/CAD** **Full Year** **11-12 grades**  
**Prerequisite: CTE Approval**  
**Airport**

The Architectural Drafting (CAD) program covers architecture and the important fundamentals that deal with basic architectural symbols used in residential construction and provides an understanding of the arrangement of the various detail sections. Student will have the opportunity to be introduced to and utilize Auto CAD and become familiar with basic to advanced CAD techniques. Students will complete a set of house plans. Model construction may be a possibility.

<b>Auto Body &amp; Collision Repair 1</b> <b>Prerequisite: CTE approval</b> <b>Huron</b>	<b>Full Year</b>	<b>11th grade</b>
Students will learn the basic fundamentals of auto body repair. They include automotive construction, collision, estimating, painting, metal finishing, assembly, basic frame alignment, basic upholstery and glass replacement. The student taking this course and becoming skilled in one or more phases can be a painter, metal finisher, estimator, insurance adjustor, assembler, shop manager, or go into business for themself.		
<b>Auto Body &amp; Collision Repair 2</b> <b>Prerequisite: CTE approval &amp; Auto Body 1</b> <b>Huron</b>	<b>Full Year</b>	<b>12th grade</b>
Students will receive hands-on instruction in the repair and refinishing of the automotive body. They will use skills learned in the beginning course and use them to work in an atmosphere like those found in the industry. Skilled graduates will be able to enter the industry as apprentices.		
<b>Auto Services Technology 1</b> <b>Prerequisite: CTE approval</b> <b>Airport, Huron or Trenton</b>	<b>Full Year</b>	<b>11-12th grades</b>
This is a career oriented class that will introduce the student to the various tasks that an automotive technician would encounter. The student will learn safety, the use of power tools, and become familiar with diagnostic equipment. The focus will be an introduction to automotive repairs, with a major focus on brakes and electricity. Students will be working on either their cars or cars that need repairs. With study the student will be able to pass the Michigan State Automotive Technician certification test and the ASE Certification Test.		
<b>Auto Services Technology 2</b> <b>Prerequisite: CTE approval</b> <b>Airport, Huron or Trenton</b>	<b>Full Year</b>	<b>11-12th grades</b>
Students will learn how to repair and diagnose problems in the mechanical systems on the automobile. The main areas of study will be Suspension, Steering and the Electrical System. They will also be introduced to Drive Trains and Air Conditioning. A majority of time will be spent in the auto lab working on student cars or cars that are in for repairs. With study the student will be able to pass the Michigan State Automotive Technician certification test and the ASE Certification Test. At the end of the automotive sequence, the students will have earned 1-year experience toward certification.		
<b>Aviation Technology 1</b> <b>Prerequisite: CTE approval</b> <b>Grosse Ile Program at MIAT</b>	<b>Full Year</b>	<b>11th grade</b>
This is a two-year program for students interested in flight and flight systems. Students will learn the theory of flight and study aerodynamics. They will also learn about electricity, fuel systems, hydraulics and pneumatics as they apply to the aircraft.		
<b>Aviation Technology 2</b> <b>Prerequisite: CTE approval &amp; Aviation Technology 1</b> <b>Grosse Ile Program at MIAT</b>	<b>Full Year</b>	<b>12th grade</b>
Students will become more advanced in the concepts and skills learned in the first course. All credits earned will apply toward the Federal Aviation Administration (FAA) Airframe and Powerplant certification.		
<b>Cabinet &amp; Furniture Making 1</b> <b>VPAA</b> <b>Trenton</b>	<b>Full Year</b>	<b>11-12th grades</b>
<b>Prerequisite: CTE approval</b>		
This course provides entry-level and upgrade training in kitchen cabinet / furniture construction and provides students with a broad-based set of skills that is required by the wood products manufacturing industry and that is directly transferable to the manufacturing sector in general. Students are introduced to		

the valuable skills necessary for entry level employment or enter post-secondary wood programs. The program also includes state of the art cabinet making equipment where students will learn how to operate machines to perform the necessary tasks safely and efficiently, and with a high degree of quality. This course stresses safety as the number one requirement to proper machine operation. Safe operating conditions will be described. N The student is provided with entry-level and upgrade training in cabinet and furniture construction skills for making traditional face frame and European (32 mm) cabinet systems. Includes cabinet analysis and design with the development of process route sheets, estimating, and bill of materials commonly used in modern industry. Special emphasis is placed on specifications of state of the art woodworking machinery, theory and lab machine safety.

**Cabinet & Furniture Making 2**  
**VPAA**  
**Trenton**

**Full Year** **11-12th grades**  
**Prerequisite: Teacher approval & C or higher in 1**

This course allows students to perfect and hone skills acquired during our previous Cabinet and Furniture Making 1 course. Students will have laboratory experience using high performance woodworking machines. Emphasis will be placed on the student becoming more qualified to make individual machine set-ups producing high quality work accurately and efficiently. It is intended that this program will better prepare students for direct entry into the wood products industry after graduation, or for a smooth transition to post-secondary education and training programs. The mandate of this program is to insure that students are knowledgeable about the wood industry and the exciting, high growth potential careers it offers. We customize the delivery of our program to meet the specific needs of wood product manufacturers whether it is general wood manufacturing knowledge and skills, basic skills training or specialized manufacturing. There will be a strong emphasis on kitchen cabinet making because it encompasses many of the fundamental processes. Joinery is the foundation of all cabinetry and many standard techniques will be detailed. Cabinets constructed in this course are used as a vehicle to instruct cabinet making techniques in drawer and door construction. Includes cabinet analysis and design with the use of plans and bill of materials commonly used in modern industry.

**Construction Trades**

Students successfully completing this 2-year program may be eligible to receive articulated credit at various community colleges or universities. Articulated credit refers to credit granted at the college level for the knowledge gained in your high school class. Typically, students will be required to show their knowledge (hands-on or written exam) of the given subject prior to the articulated credit being granted.

**Construction Trades 1**  
**VPAA**  
**Southgate Anderson**

**Full Year** **11-12th grades**  
**Prerequisite: CTE approval**

Students will build a 24' x 24' (square) x 8' (high) wood framed HOUSE in class. Students will also be introduced to finished carpentry. This is a hands-on career oriented class for students interested in construction/skilled trades. Through hands-on activities, students will learn residential wiring, residential plumbing, residential carpentry, and basic welding skills (ARC, MIG, TIG, Brazing). While working both in groups and alone, students will learn life-long work skills for the carpentry, electrical, plumbing, masonry and welding skilled trades fields, along with the safe and proper use of hand and power tools for these trades. The class will be reflective of the requirements and needs of the skilled trades industry.

**Construction Trades 2**  
**VPAA**  
**Southgate Anderson**

**Full Year** **11-12th grades**  
**Prerequisite: Construction Trades 1 & teacher approval**

This course, students will continue to learn and refine their skills in construction/skilled trades with hands-on work focused on the area of expertise. Students will use skills to perform finish carpentry such as cabinetry making and restoring. Upon completion of this two year program, students will receive a certificate that will verify skills learned. This certificate can be used to help students in their future job placement. There will be a possibility of matching the motivated student with skilled trades persons



working in various trades in the field. Students will receive pre- apprenticeship training. The class will be reflective of the requirements and needs of the industry.

**Cosmetology 1**    **Full Year**    **3 credits**    **11-12th grades**  
**Prerequisite: CTE Approval**  
**Monroe College of Beauty**

This course is for students who wish to obtain a Michigan State Board of Cosmetology license. This requires the knowledge and skills attained through 1,500 hours of instruction. Students will learn hairstyling, haircutting and shaping, permanent waving, shampooing, hair coloring, manicuring, facial and scalp treatments. After 350 hours, students will begin to work on the floor with customers.

**Cosmetology 2**    **Full Year**    **3 credits**    **12th grade**  
**Prerequisite: Cosmetology 1 and CTE approval**  
**Monroe College of Beauty**

Students will continue to improve skills through hours of instruction and practice. Those completing the required hours will be eligible for the Michigan State Cosmetology examination.

**Criminal Justice**    **Full Year**    **11-12th grades**  
**Prerequisite: CTE approval**  
**Trenton at WCCCD**

Students will learn about the Emergency Medical Technology (EMT) career and be prepared for courses in police work, fire-fighting and basic EMT. The terminology portion of the course will be a community college-level course taught every Friday.

**Culinary Arts & Hospitality 1**    **Full Year**    **3 credits**    **11-12th grades**  
**Prerequisite: CTE approval**  
**Riverview**

Students will prepare for careers in food service and restaurant operations. The second year course focuses on lodging and travel/tourism. Students will learn about personal hygiene and sanitation, cleaning, and house operations. Students will also focus on basic trends and skills needed to enter the field. Terminology, nutrition, and restaurant structure will also be covered. This course qualifies students for co-op employment credit. Hospitality Lab 1 is taken with this course and includes practical skills in salads, bakery, pantry, grill, line cook, customer service, equipment use and care, cashier, maintenance and stock.

**Culinary Arts & Hospitality 2**    **Full Year**    **3 credits**    **12th grade**  
**Prerequisite: Culinary Arts & Hospitality 1 & CTE approval**  
**Riverview**

This course follows Hospitality 1 and covers the Lodging, Travel/Tourism segments of the Hospitality Industry. Students will be prepared to enter and succeed in the current growing job market or to continue their education in the field of Hospitality. Hospitality Lab 2 is taken with this course and continues with the practical applications.

**Dental Occupations 1**    **Full Year**    **11th grade**  
**Prerequisite: CTE approval**  
**Woodhaven**

Students will gain the necessary education and experience to assist the dentist at chair side, to perform reception and clerical functions and to accomplish dental laboratory work. Students will be encouraged to continue training beyond high school. Students will learn broad entry level skills in the cluster of related careers. These skills include finding a job, work habits, and social attitudes.

**Dental Occupations 2**                      **Full Year**                      **12th grade**  
**Prerequisite: Dental Occupations 1 & CTE approval**  
**Woodhaven**

Students will receive further training in dental assisting techniques and refine those learned in the first course. Techniques such as radiography, denture repairs, constructing temporary teeth and dental office emergencies will be performed in a work-like atmosphere with opportunities for actual work in an office.

**Digital Media and Film**                      **Full Year**                      **11-12th grade**  
**Prerequisite: CTE approval**  
**Carlson**

This program is a study of techniques and styles in television production with an emphasis on digital cameras and digital editing. Students will do projects such as a mini movie as a group and individually. DVD creation and Adobe Photoshop will be introduced. Quizzes and tests will be given throughout. Students should be able to shoot and edit at an intermediate level by the end of the program. The objectives are to learn I-Movie and Final Cut Pro software and professional video shooting techniques. Assessment is based on projects, tests, and quizzes. Students should have an entry-level understanding of computers. Students will be required to have interaction on camera and behind the camera, and they will also need to purchase media for class purposes. The advanced level of the program is a study of advanced techniques and styles in television production with an emphasis on digital cameras and digital editing. Students will continue to do projects such as a mini movie as a group and individually. Quizzes and tests will be given throughout the second year as well. Students should be able to shoot and edit videos at an advanced level by the end of this program and will be required to show strong editing and shooting skills. A certificate of completion will be awarded at the end of this program. The objectives of the program is to master Final Cut Pro software and professional video shooting techniques. Assessment is based on projects, tests, and quizzes. Students should have a good understanding of computers. Students will be required to have a number of interactions on camera and behind the camera and they will also need to purchase media for class purposes.

**Education Occupations 1**                      **Full Year**                      **3 credits**                      **11th grade**  
**Prerequisite: CTE approval, Immunization record, TB test, physical on file**  
**Grosse Ile**

The first year course introduces the unique characteristics of the child, develops respect for children, and guidance skills that help them grow and develop. The student will gain knowledge that enables him/her to decide whether working in the field of education is a suitable, personal career goal; develop and show responsibility in work performance; learn how to study the growth and development of children; recognize the physical, social, emotional, and intellectual abilities and needs of children; understand how children learn and the importance of play in their development; learn how parents and teachers influence the growth and development of the child. The student will gain this knowledge through classroom work and field placement experiences in a preschool and elementary setting.

**Education Occupations 2**                      **Full Year**                      **3 credits**                      **12th grade**  
**Prerequisite: Education Occupations 1 & Instructor approval**  
**Grosse Ile**

The second year course will introduce the unique characteristics of the teaching field through lesson planning, classroom management, technology and field placement experiences. The student will continue to learn about the field of education through observation and field experience.

### **Graphic Communications**

Graphic Communications is an excellent course for all students who enjoy and are passionate about art, computer related design, printing technology and/or website design. These courses prepare students for entry employment into the Graphic Arts/Printing fields and/or to advance their studies of Graphic Arts through further education/technical training.

Throughout the two-year Graphic Communications program, students build an all-inclusive design portfolio that contains a complete record of their project work. Students enjoy exploring Adobe CC software programs such as Illustrator, Photoshop, InDesign and Dreamweaver. As students become proficient using the software they begin designing projects such as logo designs, poster designs, animated GIFs, t-shirt designs, illustrations and web design. In addition, begin transferring their designs to t-shirts, mouse pads, mugs, magnets, key chains and note pads when using different printing methods such as Dye Sublimation, Offset and Digital Printing.

In addition, articulation agreements with several Michigan colleges provide an opportunity to transfer Graphic Communications credits meaning LESS college tuition. Students who have successfully completed the Graphic Communications two year program have received up to 12 post-secondary credit hours at participating colleges and universities.

**Graphic Communications 1**                      **Full Year**                      **2 credits**                      **9-12th grades**  
**VPAA**

**Southgate Anderson**

This class is the first of two courses offered in Graphic Communications Technology. The class is designed to produce a certain degree of skill in Desktop Publishing, File Management, Typography, Pre Press, Platemaking, Digital, Offset and Screen-Printing Press Operations. Students will also be introduced to motion graphics, photo editing and electronic illustration. The class time will be spent mainly in a laboratory setting in which students work on assigned projects and production work. Students should have an interest in Graphics, Art, Computers, Technology, Motion Graphics, Printing and Web Design.

**Graphic Communications 2**                      **Full Year**                      **2 credits**                      **10-12th grades**  
**VPAA**                      **Prerequisite: Graphic Communications 1 and teacher approval**

**Southgate Anderson**

This class is the second course in Graphic Communications Technology and its related areas. Students will spend an entire year in the production lab building upon and expanding the skills learned during the first year. Emphasis will be placed on Advanced Graphic and Advertising Design, Web Page Design, Motion Graphics, Photo Editing, Electronic Illustration, Advanced Image Output, Advanced Finishing Operations, Project Management and Employability Skills. The end result will be the completion of a website and print portfolio and enough skill suitable to gain entrance into the graphic communications industry and/or transition to a post-secondary college or university.

**Health Occupations 1**                      **Full Year**                      **11th grade**  
**Prerequisite: Biology, Algebra 1 & CTE approval**

**Flat Rock, Grosse Ile or Henry Ford Hospital - Wyandotte**

Students will explore a variety of health care occupations. Guest speakers, A.V. materials, and field trips will supplement book work. The students will be prepared to assist qualified professionals, providing diagnostic, preventative, therapeutic, restorative and rehabilitative services. Students will learn how to provide services in health care facilities, homes and in the community. Students will be required to learn medical terminology used in the industry.

**Health Occupations 2**                      **Full Year**                      **12th grade**  
**Prerequisite: "B" or better in Health Occupations 1 & CTE approval**

**Flat Rock, Grosse Ile or Henry Ford Hospital - Wyandotte**

Students who have successfully completed the first course will have an opportunity to be assigned to a training position within the hospital. Upon completion of Phase 1, students will earn a certificate which will be helpful in securing employment as a nurse's assistant. In Phase 2, students will be assigned a position in medical records or physical therapy and work directly with the staff in that particular department. This is an opportunity to further develop the skills acquired in the previous course.

**Health Occupations II - Pharmacy** **Full Year** **12th grade**

**Prerequisite: Health Occupations 1, Instructor approval & Orientation requirements fulfilled**

**Flat Rock**

This course will be a continuation of Health Occupations I with a focus on Pharmacy Technician training. Students will participate in classroom learning that will focus on pharmacy operations and the core responsibilities of a pharmacy technician. Topics such as medication review, dosage forms, drug interactions, pharmacy calculations, federal laws and maintaining patient records. Students will have an opportunity to participate in internships/job shadow experience with local pharmacy professionals.

**Heating, Ventilating & Cooling (HVAC-R)** **Full Year** **11th-12th grade**

**Prerequisite: CTE approval**

**Riverview**

The courses offered present an overall study of the principles of energy production and its uses. Course work provides students who are successful with a well-rounded background in the principles of measurement, conservation, operation and repair of residential/commercial heating, air conditioning, and refrigeration equipment.

**Information Technology** **Full Year** **11th & 12th grade**

**Prerequisite: CTE approval**

**Airport**

This is a two-year program which consists of a sequence of courses that prepares the student for entry-level positions supporting users of microcomputer components of the operating system. During the first year, students take Introduction to Computer Based Systems and Software Applications, Microsoft Windows, Introduction to Programming Logic, and Visual Basic Net. During these courses, students will explore the features of the latest desktop operating systems, learn the fundamentals of program logic and design as well as acquire the knowledge and skills to develop applications in Microsoft Visual Basic Net for the Microsoft Net platform. During the second year, students take Database Management Systems; Introduction to Networking, Business-English Communications, and Business Applications-Utility of Math. These courses cover in depth Microsoft Access; provide a solid instruction to networking fundamentals; prepare students to write well-developed essays using exposition and other rhetorical modes; as well as provide the practical application of mathematics.

**Mechanical Engineering/Drafting/CAD** **Full Year** **11th-12th grade**

**Prerequisite: CTE approval**

**Flat Rock**

Engineering Drafting (using CAD) is a program designed as an introduction to computer graphics using manual drafting and Auto CAD software. Students will learn to use the computer components, terms and commands associated with the AutoCAD system. Students will work with multi-view, detail/assembly, and exploded and pictorial assembly drawings. The program will involve becoming familiar with the materials and processes of the machine trades. All students will create and print a set of working drawings which will include all required details, an assembly, and pictorial drawings. At the advanced level, students will move on to create 3-D drawings using AutoCAD, Inventor, and SolidWorks (all software is updated regularly to stay current with industry and post-secondary partners). After becoming proficient with this software, the students are then able to continue to create 3D Max or Maya.

**Mechatronics**

Mechatronics is a two year course that combines both principles and skills from several areas vital to modern day manufacturing. Electrical, mechanical, fluid (hydraulics and pneumatics), computer control and automation, machining operations and robotics are all included in the curriculum. Through a

combination of classroom and intense laboratory exposure, students are prepared for entry into a range of career opportunities in manufacturing, healthcare, architecture and other sectors of the economy. Students will also have qualified skilled trades personnel who will provide additional expertise and support for the training program.

In cooperation with Henry Ford College, the successful Mechatronics student will finish up to 26 undergraduate credits. Should a student choose, they can complete an Associate's Degree at HFC within one year of high school graduation. Pathways to apprenticeships will also be available to those who qualify after graduation from HFC. Please note, this class is a joint partnership with HFC, Ford Motor Company and the Southgate School District. It is hosted at the Ford Flat Rock Assembly Plant. Students will be required to follow all plant safety procedures and policies.

**Mechatronics 1** **Full Year** **11-12th grades**  
**VPAA** **Prerequisite: Completed application from DCTC website**  
**Ford Flat Rock AssemblyPlant**

Students will start their career with college coursework in safety, following OSHA guidelines and plant protocols. Upon completion of their safety course, a mix of lecture and projects will be used for achieving course work in machining, digital literacy, electricity, drafting, fluid power and mechanical power transmission. Students may earn up to 14 college credits by the end of their first year of the program.

**Mechatronics 2** **Full Year** **12th grade**  
**VPAA** **Prerequisite: Mechatronics 1**  
**Ford Flat Rock AssemblyPlant**

Students will continue building on their first year skills with courses in computer controlled machining (CNC) lathe and mill operations, motor controls, fluid power, programmable logic controllers (PLCs) and mechanical systems integration. Students may earn up to an additional 14 college credits by the end of their second year of the program.

**Web Design 1 & 2** **Full Year** **1 credit** **9-12th grades**  
**VPAA & 2nd year Foreign Language**  
**Southgate Anderson**

Web Design was created as an introduction to the design, creation, and maintenance of web pages and websites. This is an introductory course and is designed for students with no prior web design knowledge. Students taking Web Design will gain the skills and project-based experience needed for entry into web design and development careers. Throughout the course, students will be exposed to website evaluation and rubric creation, HTML markup, formatting web pages with style sheets, graphics, scripts and server-side-technologies, validating websites and web authoring software. Students will begin utilizing basic text editing software and then will transition to, Photoshop and other software applications that are current industry standards for web development and design. During the second semester, students will develop their own client websites that they will host on the web.

**Web Design 3** **1 Semester** **10-12th grades**  
**VPAA** **Prerequisite: Web Design 1 & 2 and Instructor approval**  
**Southgate Anderson**

This is a one semester advanced study course in which the student will further enhance their study on a specific web design and programming topic of interest introduced in both Web Design in Engineering 1 & 2.

**Web Design 4**  
**VPAA**

**1 Semester**

**10-12th grades**

**Prerequisite: Web Design 1 & 2 and Instructor approval**

**Southgate Anderson**

This is a one semester advanced study course in which the student will further enhance their study on a specific web design and programming topic of interest introduced in both Web Design in Engineering 1 & 2.

**Welding 1**

**Full Year**

**11th grade**

**Prerequisite: CTE approval**

**Airport, Flat Rock or Woodhaven**

Students will learn all types of metal welding, brazing, and flame cutting. A major portion of the time will be spent doing lab work and gaining experience found in the workplace.

**Welding 2**

**Full Year**

**12th grade**

**Prerequisite: CTE approval & Welding 1**

**Airport, Flat Rock or Woodhaven**

Students will learn advanced arc and oxy acetylene procedures. They will improve techniques and knowledge gained in the first course. Students will also learn the properties of metals, blueprint reading and welding symbols. Students will work in an atmosphere typical to those found in the workplace.

**Work-Based Learning - Trades & Industry**

**12th grade**

**Prerequisite: Approval of Work-based Learning Coordinator**

This course is for the Industrial and Engineering Pathway student who already has or will have obtained a job in the field that relates to specific courses of study. Students will be expected to apply for a position with the Work-Based Learning Coordinator. Students will work on the job for both remuneration and credit. Students wishing more information or assistance in participating in the program should see the Industrial & Engineering Work-Based Learning coordinator. Students must also enroll in a related course.

## Arts & Communications

Careers related to humanities and the performing, visual, literary, and media arts.

### Music

Students who choose this cluster of courses are offered a variety of courses to meet their interests and needs. The ability to write and speak well is important in this pathway.

The Arts program is designed to meet the needs of students who have varying degrees of interest and capability in art, music, and theatre. Some courses have a performance component and students will perform in public.

Students who enroll in an instrumental course should own or have access to an instrument. Students enrolled with classes which have performing groups are required to attend all rehearsals as well as school programs and concerts.

**Freshman Band**                      **Full Year**                      **1 credit**                      **9th grade**  
**VPAA credit**                      **Prerequisite: Director Approval**

Students will develop individual skills on brass, woodwind, and percussion instruments. A high degree of musical proficiency is stressed with literature geared accordingly. Required performances include Band-A-Rama, concerts, festivals, and parades.

**Symphonic Band**                      **Full Year**                      **1 credit**                      **9-12th grades**  
**VPAA credit**                      **Prerequisite: Director Approval**

Members of this band are selected by audition according to musical proficiency and the need for balanced instrumentation. Students rehearse and perform symphonic literature of varied styles and difficulty. Students will also study music theory, history, and music as a creative art form. Students will perform concerts for various activities and festivals.

**Concert Band**                      **Full Year**                      **1 credit**                      **9-12th grades**  
**VPAA credit**                      **Prerequisite: Director Approval**

Students will perform a variety of literature chosen to promote an understanding of greater musical concepts. Students will learn about music theory, history, and music as a creative art form. Students will perform concerts for various activities and festivals.

**Jazz Band**                      **Full Year**                      **1 credit**                      **9-12th grades**  
**VPAA**                      **Prerequisite: Director Approval**

Students will study and perform different types of jazz music such as swing, latin and blues. Improvisation will also be explored. Enrollment is based on teacher recommendation for proper big band instrumentation. Required performances will include various concerts, festivals, and gigs. Not available every year. Check with counselor.

**Choir**                      **Full Year**                      **1 credit**                      **9-12th grades**  
**VPAA**

Choir will consist of voice and ear training, four and six part harmony, instruction for reading music, and public performances. Research shows that students who do well in music improve math scores. Music, vocal music in particular, is a strict curriculum requiring much attention to detail and to others. Vocal training may increase a student's awareness of his/her environment. School letter earned for two years participation.

## World Languages

Two credits of grade-appropriate world language is required. These 2 credits may be fulfilled by formal coursework or an equivalent learning experience in Grades K-12 (2 credits); or formal coursework or an equivalent learning experience in Grades K-12 (1 credit) and completion of a Department approved formal CTE program; or an additional visual, performing, and applied arts credit (1 credit). The Internet has opened doors for increased communication with the rest of the world, and even within our own communities. World language study allows our students more opportunities within colleges, universities, and within the job market. For college bound students, universities may have an entrance requirement or their own graduation requirement of world language study. For students entering the workforce a second language is a valuable asset to bridge the international borders in the business world. In our programs, there is a focus on culture and on a variety of language skills, such as: reading, listening, writing and speaking. These skills help our students to have a better understanding of the culture, as well as the language.

When making your choice in a language it is important to consider your future career, the economy in and outside of the United States, and what you like. While Spanish might be a viable choice for those planning to work within the United States and Latin America, French is considered to be the 2nd most influential language in the world, next to English. It is spoken in 55 countries within five different continents. American companies such as Microsoft, Apple Computers, Dow Chemical, Walt Disney, Intel and Sara Lee are well established in France. NATO and the Olympics have only two official languages English and French, while the World Trade Organization has three, English, French and Spanish. Contact a language teacher for more information.

**French 1**                                  **Full Year**                                  **1 credit**                                  **9-12th grades**  
**NCAA**

This course will be taught on the assumption that all students can learn a second language with no previous exposure. There will be a variety of teaching methods used in the classroom, such as: music, projects, drawings, games, activities, and films. These will be incorporated to help students to master reading, writing, speaking and listening skills.

**French 2**                                  **Full Year**                                  **1 credit**                                  **9-12th grades**  
**NCAA**                                  **Prerequisite:**                                  **French 1**

This course will build upon the skills learned in French I. Students will be exposed to more challenging readings, conversational opportunities, grammar and writing prompts. There will be multiple ways that students will be allowed to demonstrate their skills, through projects and interpersonal activities stressing communication.

**French 3**                                  **Full Year**                                  **1 credit**                                  **9-12th grades**  
**NCAA**                                  **Prerequisite: A cumulative grade of 75% or higher in French 2**  
**and/or teacher approval**

This course stresses application of previously learned vocabulary and grammar while refining comprehension, speaking, reading and writing skills through; dialogues, classroom discussion, authentic literature and projects.

**French 4**                                  **Full Year**                                  **1 credit**                                  **9-12th grades**  
**NCAA**                                  **Prerequisite: A cumulative grade of 75% or higher in French 3**  
**and/or teacher approval**

The objective of this course is to solidify a life-long understanding of the target culture and language before students leave Southgate Anderson High School. This will be achieved through study of current topics using authentic literature, news articles, classroom discussion and film reviews. Examples of some of the topics are: legends, immigration, religion and political history.



**French 5**                                  **Full Year**                                  **1 credit**                                  **12th grade**  
NCAA    **Prerequisite: A cumulative grade of 75% or higher in French 4 and/or teacher approval**

This is a continuation of French IV that will focus on current topics in the target language countries. The objective of this course is to solidify a life-long understanding of the target culture and language before students leave Southgate Anderson High School. Communication, reading, writing and speaking skills will be used to review, evaluate and discuss the topics in this course. Examples of some of the topics are: peer pressure, careers, art and interpersonal relationships.

**Spanish 1**    **Full Year**    **1 credit**    **9-12th grades**  
NCAA

This course will use the hands-on approach to language learning. Listening, speaking, reading, and writing will be integrated, with a strong emphasis on phonetics and pronunciation at the start so the ear will be trained to receive sounds of the new language. Music, art, and customs of Spain and other Spanish speaking people will be taught.

**Spanish 2**    **Full Year**    **1 credit**    **9-12th grades**  
NCAA    **Prerequisite: Spanish 1**

This course will build upon the skills learned in Spanish I. Students will be exposed to more challenging readings, conversational opportunities, grammar and writing prompts. There will be multiple ways that students will be allowed to demonstrate their skills, through projects and interpersonal activities stressing communication.

**Spanish 3**    **Full Year**    **1 credit**    **9-12th grades**  
NCAA    **Prerequisite: A cumulative grade of 75% or higher in Spanish 2 and/or teacher approval**

This course will be a continuation of Spanish 2. Grammar will be reviewed and completed with emphasis in assigned readings. Culture and customs will be studied further. Greater emphasis will be placed on perfecting accent and pronunciation through listening and speaking drills.

**Spanish 4**    **Full Year**    **1 credit**    **9-12th grades**  
NCAA    **Prerequisite: A cumulative grade of 75% or higher in Spanish 3 and/or teacher approval**

The objective of this course is to solidify a life-long understanding of the target culture and language before students leave Southgate Anderson High School. This will be achieved through study of current topics using authentic literature, news articles, classroom discussion and film reviews. Examples of some of the topics are: legends, immigration, religion and political history.

**Spanish 5**    **Full Year**    **1 credit**    **12th grade**  
NCAA    **Prerequisite: A cumulative grade of 75% or higher in Spanish 4 and/or teacher approval**

This is a continuation of Spanish IV that will focus on current topics in the target language countries. The objective of this course is to solidify a life-long understanding of the target culture and language before students leave Southgate Anderson High School. Communication, reading, writing and speaking skills will be used to review, evaluate and discuss the topics in this course. Examples of some of the topics are: peer pressure, careers, art and interpersonal relationships.

## Art

Students who choose this cluster of courses are offered a variety of courses to meet their interests and needs. The ability to write and speak well is important in this pathway.

The Arts program is designed to meet the needs of students who have varying degrees of interest and capability in art, music, and theatre. Some courses have a performance component and students will perform in public.

Students **must** take one of the following intro art classes before taking any other art class:

General Art 2D

General Art 3D

Beginning Ceramics and Sculpture

Art Exploration

**General Art 2D**                      **1 semester**                      **.5 credits**                      **9-12th grades**

**VPAA**

Students will take a basic approach to art while being exposed to the Elements of Art and Principles of Design as a basis for composition mostly in the two-dimensional area. The projects will be simple, yet challenging for the beginning artist.

**General Art 3D**                      **1 semester**                      **.5 credits**                      **9-12th grades**

**VPAA**

Students will take a basic approach to art while being exposed to the Elements of Art and Principles of Design as a basis for composition with some emphasis on three-dimensional projects. The projects will be simple, yet challenging for the beginning artist.

**Beginning Ceramics & Sculpture**   **1 semester**   **.5 credits**   **9-12th grades**

**VPAA**

In the ceramics portion, students will learn the basics of clay. Students will learn clay characteristics, beginning hand-building techniques, such as pinching and coiling, as well as glazing procedures. In the sculpture portion, students will learn the basics of sculpture using materials such as papier-mache, wood, wire, etc. Students will need to be able to use hand tools independently such as box cutters, Xacto-knives and needles. Fees will be collected for certain projects.

**Art Exploration**                      **1 semester**                      **.5 credits**                      **9-12th grades**

**VPAA**

Students will take a basic approach to art while being exposed to the Elements of Art and Principles of Design as a basis for composition while using art history to enhance the artistic experience. The projects will be simple, yet challenging for the beginning artist.

**Fine Arts 1**                              **Full Year**                              **1 credit**                              **10-12th grades**

**VPAA**

**Prerequisite: Completion of an intro. art class and teacher approval**

Students will work mainly in the two dimensional area, experiencing different drawing and painting techniques that include pencil, charcoal, chalk pastels, oil pastels, watercolor, tempera and acrylic paint as a medium. Students will be exposed to the elements of art and principles of design in greater depth.

**Fine Arts 2**                              **Full Year**                              **1 credit**                              **10-12th grades**

**VPAA**

**Prerequisite: Fine Arts 1**

In this course, the students continue to work in greater depth mostly in the two-dimension area. Projects become more personal and students are able to analyze the impact that art has on society.

**Fine Arts 3**                              **Full Year**                              **1 credit**                              **12th grade**

This course is designed for the third and fourth year art student who may be thinking of planning to

pursue a career in art beyond high school (but doesn't have to). Emphasis is similar to that of Fine Art 2 where personalized projects are created and can be used for a portfolio.

**Painting** **1 semester** **.5 credits** **11-12th grades**  
**VPAA** **Prerequisite: Fine Arts 1 with a "B" grade**

This course provides students with an interest in art to expand on the painting concepts introduced in Fine Art. It will provide the foundations of painting, its application and materials.

**Intermediate Ceramics & Sculpture** **1 semester** **.5 credits** **10-12th grades**  
**VPAA** **Prerequisite: completion of beginning ceramics and teacher approval**

In the ceramics portion, students will expand their experience with clay and ceramic artists. Students will do larger, more challenging hand-building projects, use techniques such as slab construction to build both functional and decorative pieces. Students will further explore surface decorations and glaze combinations. In the sculpture portion, students will expand upon basic sculptural concepts, be exposed to new artists and combine sculptural materials in different ways. Fees will be collected for certain projects.

**Advanced Ceramics & Sculpture** **1 or 2 semesters** **11-12th grades**  
**VPAA** **Prerequisite Intermediate Ceramics and teacher approval**

This course expands upon the concepts taught in the intermediate class. Advanced hand-building methods will be explored and wheel-throwing will begin. Student will have the opportunity to work more independently to pursue methods and materials that will help them develop their own personal artistic style. Fees will be collected for certain projects. \***Serious** Ceramics Students can take additional semester (to equal one year of Advanced Ceramics & Sculpture) consecutively or non consecutively with teacher approval.

**Technology Based Yearbook Design** **Full Year** **1 credit** **9-12th grades**  
**VPAA** **Prerequisite: Teacher approval**

This class produces the high school annual yearbook. Layout, design, photography, typography and copywriting are all practiced in this "hands-on" class. Marketing this product will be done using business management techniques. Much information and knowledge will be gained in the areas of journalism, art, organization skills, working in groups successfully, etc. These skills broaden a student's education and prepare the student for working in the outside world.

## **Business, Management, Marketing, & Technology**

Careers related to all aspects of business including accounting, business administration, finance, information processing, and marketing.

Business and Marketing Education includes course work with practical application of course work. Students who successfully complete one of these curricula may use their acquired skills to gain employment immediately upon graduation, attend a business school or community college or attend a four-year college or university. Teachers will make every effort to assist each student in the selection of a program to meet personal interests and specific needs.

\*Classes with a “Q” designation are advanced courses and can only be taken with instructor approval.

### **Accounting 1                                      Full Year                                      1 credit                                      9-12th grades**

In this course, students will learn how to keep records of and interpret business transactions and finances. Students will learn the beginning concepts associated with the correct method of keeping financial records. Since accounting has been called “the language of business,” it is of great value to all students. Accounting 1 will also be required as part 1 of 2 for students to achieve math credit their senior year. Students must pass this course in order to be considered for a credit for math their senior year.

### **Advanced Accounting                      Full Year                                      1 credit                                      10-12th grades**

#### **Prerequisite: Accounting 1 or teacher approval**

Accounting 2 is designed to expand the knowledge of students who have completed Accounting 1. The course is designed for those students with career objectives in accounting or with an interest to complete a two or four year degree in any area of business. A more detailed and expansive approach is presented in this course. Students will perform computerized accounting activities while in the class along with extensive use of Microsoft Word and Excel. Students will input transactions, produce period-ending financial statements, and then develop an understanding on how to analyze their data in order to make sound business decisions. **Upon completion of Accounting 2, during the final year of high school, students will receive a 4th year math credit.**

### **Marketing    Full Year                                      1 credit                                      9-12th grades**

#### **VPAA**

This course prepares students for employment in the business world by experiencing and dealing with all phases of marketing. Students will learn advertising, sales, employment preparation skills and business communication. Students may have an opportunity to work in The Hideaway (school store). **This course may be counted for 1/2 credit of the 4th year math requirement upon successful completion of both sections when combined with successful completion of both sections of Entrepreneurship. One must be taken during the final year of high school.**

### **Retail Marketing Q                              Full Year                                      1 credit                                      12th grade**

#### **Prerequisite: Marketing or Entrepreneurship**

In this course students will learn management operations of a retail store by participating in purchasing, pricing, advertising, and selling of goods for The Hideaway (school store). Students will also gain managerial experience by supervising others (students) in this retail setting.

### **Entrepreneurship                                      Full Year                                      1 credit                                      10-12th grades**

#### **VPAA**

Marketing is helpful, but not required. Having an interest in business is suggested. In this class all students become employees of a virtual business that they open as a class. Start by preparing employment documents necessary to interview for a position, create a business plan as a class, and then begin buying and selling virtually with students from around the world, while managing all aspects of running a

profitable company. In the second semester, students will develop an idea for their own business and write a business plan for that venture. This course empowers and motivates participants to develop a range of academic, business, technology, and professional skills and prepares them for success in post-secondary education, employment, and the community. **This course fulfills the senior math requirement in conjunction with the completion of a full year of Marketing. One must be taken during the final year of high school.**

**Entrepreneurship Q**                                      **Full Year**                                      **1 credit**                                      **11-12th grades**  
**VPAA**    **Prerequisite: Entrepreneurship**

This course prepares and trains students to take on a leadership role in business. The students in this course will interview for supervisory and executive roles within the company and will manage the company and its employees within the Entrepreneurship class.

**Business Communications & Technology**      **1 semester**                                      **.5 credits**                                      **9-12th grades**  
**VPAA**

In this project based course, students will demonstrate the concepts and strategies for obtaining and conveying ideas and information to enhance communication in the workplace. Plan, organize, and control and organization/department to optimize overall business success. Know and understand the importance of professional ethics and legal responsibilities through digital citizenship. Demonstrate skills related to seeking and applying for employment to find and obtain a desired job. Solve mathematical problems and use the information to make business decisions and enhance business management duties. This course will fulfill a VPAA requirement.

**Business Management & Technology**                      **1 semester**                                      **.5 credits**                                      **9-12th grades**  
**VPAA**

Employ and manage techniques, strategies, and systems used by management to foster self-understanding and enhance business relationships. Identify new ideas, opportunities, and methods to create or start a new project or venture. Perform customer service activities to support customer relationships and encourage repeat business. Work independently and in teams to solve problems using creativity, innovation, and share information to assist in business decision making. Manage business risks to protect a business's fiscal well-being. This course will fulfill a VPAA credit.

## Human Services

Careers in child care, civil service, education, hospitality, and social services.

The careers in this pathway are those involving people - working to assist, to protect, to train or to do a task for them. Higher paying careers include funeral directors, personal trainers, police officers, travel agents, teachers, and social workers to name a few. As long as there are people, they will need things done for them, so there are many positions available, and the job outlook is good.

Life Skills courses that teach us about people are always appropriate courses for students choosing this career pathway. Students who plan to turn their skills into a private business serving others should also consider some business courses.

### **Financial Wealth Management      Full Year      1 credit      11-12th grades** **Completers qualify for senior math credit**

This course will focus on the individual economic principles of daily living. This will include a focus on career development, how to compare job offers, understanding paychecks and taxes, the importance of, and strategies on saving and investing money, understanding credit cards and credit scores, safety strategies of identity theft, comparing depository institutions, creating a budget and spending plan, loans, mortgages, buying an automobile, renting/leasing, and planning for a successful financial future.

### **Living Well/Health      1 semester      .5 credits      9-12th grades**

Health habits that are basic to everyday living and the total well-being of the individual will be taught. Included are units of study of disease prevention, nutrition, growth and development, family health, emotional and mental health, substance use and abuse, safety, and community health. Success in this class fulfills the on-line learning requirement under the MME curriculum.

### **Family Sociology      1 semester      .5 credits      9-12th grades**

This course analyzes the structure and functions of the family, with emphasis on the changing nature and diversity of the family in our society. It allows students to explore family relationships, including the role each individual plays within the family structure. Students will be expected to demonstrate an understanding of family structures and to analyze values underlying family dynamics and change.

### **Child Development      1 semester      .5 credits      9-12th grades**

This course will allow students to examine the physical, social, intellectual, and emotional development of infants, toddlers, preschoolers, and school aged children. Students will learn what influence the role of parenting plays in this developmental process and gain the ability to recognize the sequence of growth patterns both physically and intellectually in children of all ages. Students will identify age appropriate behaviors and activities of children at various ages. Students will be able to identify age appropriate behaviors and activities of children at various ages. Students will develop skills necessary in caring for children including those with special needs.

### **Shaping Your Future      1 semester      .5 credits      9-12th grades**

This course is designed to improve the character and leadership traits among high school students. Shaping Your Future will prepare students for success in all facets of their lives. The course is designed to develop skills in various leadership roles at Anderson High School such as Student Government, Honor Society, Link Leaders, athletics and any club or program membership. The format of the class includes ethical dilemmas, current events, core reading, basic skills and writing assignments. Character traits explored include attitude, preparation, perseverance, respect, honesty, integrity, courage, appreciation, self-control, empathy, gratitude, tolerance, duty, loyalty, responsibility, compassion, and leadership.

## **English Language Arts**

The English curriculum is designed to provide students with courses which will better enable them to meet individual needs and interests in language arts. At each grade level, students are provided with instruction which will assist them in mastering the skills of reading, writing, listening and speaking.

Students must successfully complete four full credits of courses in order to meet graduation requirements. There is also a variety of elective courses available to meet career goals and specific interests of the student.

### **English 9 A & B NCAA Approved**

**Full Year**

**1 credit**

**9th grade**

This course includes instruction in writing process and expanding the students' development of the basic multi-paragraph essay. Writing styles to be taught include expository, descriptive, narrative, persuasive, and technical. Reading and study skills will focus on the development of vocabulary and comprehension, as well as focused preparation for the SAT. Literary selections in several genres will be studied including Shakespearean Drama, novels, short stories, and non-fiction. Students will also read a variety of self-selected novels and non-fiction works throughout the year. English 9 A and B are required classes.

### **American Literature and Composition A & B NCAA Approved**

**Full Year**

**1 credit**

**10th grade**

In coordination with American History, students will engage in a thematic study of American literature from colonial times into the 21st century emphasizing critical analysis and ideas. Students will read several novels and non-fiction supplemental pieces. The course will also emphasize the writing process and various types of writing including those which prepare students for work at the post high school level, and will continue to prepare students for the SAT. American Literature and Composition A and B are required classes.

### **Film as Literature/Film Study**

**1 semester**

**.5 credits**

**11-12th grades**

This course acquaints students with the historical development, cultural significance, and creation of film. Emphasis is placed on interpretation, film techniques, purpose, audience manipulation, and thematic study. Assignments include extended written criticisms, oral presentations and standardized assessments for state examination preparation. Creation of an original film applying the techniques studied serves as a culminating project. Strong note taking ability and writing skills are suggested.

### **Modern American Literature NCAA Approved**

**1 semester**

**.5 credits**

**11-12th grades**

This class will look at 20th Century American Literature. As America changes throughout the century, so does its literature. This one semester class will study the progress of Modernism through Postmodernism. Through various discussions, an ample amount of reading, writing and listening, this class will analyze several pieces of American Literature from this time period. Course work includes the reading of classic literature, written communication, discussion, oral presentation and standardized assessments for state examination preparation.

### **Life's Challenges Through Literature NCAA Approved**

**1 semester**

**.5 credits**

**11-12th grades**

This class takes a thematic approach to the study of literature, by examining the actions of literary characters in difficult situations. Through the use of novels centered around African-American and Native-American cultures, along with additional materials, students will be asked to consider difficult emotional and moral questions from multiple perspectives, including the voices of women and minorities. Course work includes the reading of classic literature, written communication, discussion, oral presentation, and standardized assessments for state examination preparation.

**Advanced Placement Language & Composition Full Year 1 credit 11th grade**  
**Prerequisite: PSAT score and staff recommendation**  
**NCAA Approved**

Focuses on writing and mainly non-fiction pieces, argumentative tactics, and rhetorical strategies at an accelerated pace with additional literary components. Oral presentations, research projects, teamwork, and frequent discussion are all integral aspects of this course. Recommendation from the English 10 teacher is necessary to enroll in this course, along with an entrance essay. Students are strongly encouraged to take the AP Language and Composition test in the spring to potentially earn college credit. This course will run a full year.

**Advanced Placement Literature & Composition Full Year 1 credit 12th grade**  
**Prerequisite: AP 11 strongly encouraged, PSAT score & staff recommendation**  
**NCAA Approved**

Designed as a follow-up for AP Language and Composition, this course will concentrate on historical and thematic study of British literature from Old English through modern periods. Group projects, research, presentations, application of literary theory, and frequent discussions are integral pieces of this course. Expect an accelerated pace, the reading of multiple novels, and additional literary and writing components. Students will be taking the AP Literature and Composition Exam in the spring to potentially earn college credit. This course will run a full year.

**Speech & Debate 1 semester .5 credits 10-12th grades**  
**NCAA Approved**

This course provides a range of experiences in public speaking and communication. Students will develop self-confidence and poise, while acquiring formal speaking skills by preparing and delivering demonstrative, informative, and persuasive speeches; they will also learn the basics of formal debate. Mass media and interpersonal communication will also be studied. Targeted instruction and practice will be used to prepare students for the state examination. It is highly recommended that all students take this course.

**Literature of Mythology 1 semester .5 credits 11-12th grades**  
**Prerequisite: American Literature & Composition**  
**NCAA Approved**

This course is designed to acquaint students with their literary heritage and how much of it comes from classical mythology. Since a good portion of Christian tradition is founded on ancient and classical civilizations, parallels are drawn between Greek, Roman, Norse and Christian beliefs. Both standardized and curriculum-specific assessments will be used to prepare students for the state examinations. By the end of the course, all students will submit a project which represents additional study in a student-selected mythology area of interest.

**Music as Literature/Music Study 1 semester .5 credits 11-12th grades**

This course will ask students to examine the development and changes in music over time, beginning with the early music and ending in the 21st century with modern music. The course will also draw connections to the cultural significance of certain music styles and artists. Emphasis is placed on lyrical interpretation, purpose, and rhetorical analysis. Assignments include extended written criticisms, oral presentations, and standardized assessments for state examination preparation. Strong presentation and writing skills are suggested.

**British Literature & Composition Full Year 1 credit 12th grade**  
**NCAA Approved**

This course concentrates on the historical and thematic study of British literature from Old English through modern English periods. Students will complete an MLA style research paper on a social issue, and present the project to the class with the help of visual technology. The research paper will be written in British Literature and Composition A. The research paper (including all components) and the presentation are graduation requirements for Anderson High School.



## Social Sciences

The social studies progression includes both required and elective courses. Courses marked “standard” are required for graduation. Students must pass **three full credits** of social studies courses. Students who are interested in a career in politics, law, anthropology, psychology, or sociology should include an extra credit of study in their curriculum. A variety of courses are available for the varied interests of students.

**U.S. History I**                                      **1 semester**                                      **.5 credits**                                      **9th grade**  
**NCAA Approved**

Students will study the history of the United States from the Gilded Age to the end of World War II. Major topics will include Imperialism, Progressivism, World War I, The Great Depression, The New Deal, and World War II. Reading, note-taking, discussions, and projects will all be part of the learning process.

**U.S. History II**                                      **1 semester**                                      **.5 credits**                                      **9th grade**  
**NCAA Approved**

Students will study the history of the United States from the start of World War II to the present. Major topics will include the postwar adjustments of the 1950s, the Cold War, Vietnam, the Civil Rights Movement, the Conservative Revolution, the Clinton years, as well as the events leading up to the War on Terror. Reading, note-taking, discussions and projects will be part of the learning process.

**World History & Geography I**                                      **1 semester**                                      **.5 credits**                                      **10th grade**  
**NCAA Approved**

Students will study the historical, cultural, and religious aspects of the various world regions from prehistory to the 1850’s. Units include the world before modern times (pre-history - 1500 BCE), the early modern world (1400 - 1800) and industrialization and nationalization (1800 - 1850).

**World History & Geography II**                                      **1 semester**                                      **.5 credits**                                      **10th grade**  
**NCAA Approved**

Students will study the historical, cultural, and religious aspects of the various world regions from the 1850’s to present times. Units include the Industrial Revolution, the French Revolution, Revolutions in Europe, Latin America and South America, and the evolution towards a more global civilization.

**American Civics**                                      **1 semester**                                      **.5 credits**                                      **11th grade**  
**NCAA Approved**

Students will study the structures of our government. Units of study will include the basic foundations of U.S. Government, the Congress, Presidency, the Courts, the U.S. Constitution, civil liberties, rights, state and local government.

**Economics**                                      **1 semester**                                      **.5 credits**                                      **11th grade**  
**NCAA Approved**

Students will study the principles and practices of the American economic system. This will include basic economic concepts of the capitalist system such as production of goods and services, price determination, banking, money and credit, income and business cycles.

**Psychology**                                      **1 semester**                                      **.5 credits**                                      **9th-12th grades**

Students will receive an overview of the science of psychology. Topics to be covered include historical research, learning theory, social psychology, memory, motivation and the brain, abnormal psychology and human development.

**AP Psychology                      Full Year 1 credit 10-12**

**Prerequisite: PSAT score, “A” or “B” in Psych or teacher approval**

**NCAA Approved**

Students who take this course will be prepared to take the advanced placement test to earn college credit. Building on studies from the basic Psychology course, students will understand psychology as a science, including the techniques used and psychological perspectives; demonstrate knowledge of the mind-body connection, including sensory process and development; explore thought, including learning, memory, cognition, and intelligence; evaluate theories of personality, motivation, and emotion in the development of self; survey maladaptive behavior, stress, and adjustment; and connect the power of the situation to individual behavior.

**International Relations            1 semester    .5 credits            11-12th grades**

**Prerequisite: U.S. History    NCAA Approved**

This class is designed to raise student awareness of current events that have an effect on the United States in our global community. The goal of this class is to examine current events and integrate them with major concepts of international relations and philosophy to help illustrate the relationship of power, the government, and society. In so analyzing, it is hoped that students will assess the presence / lack of social justice in modern society, thus promoting a learning environment that encourages empathy, tolerance, and understanding.

**Sociology                                      1 semester                      .5 credits                      9-12th grades**

**NCAA Approved**

Students will analyze contemporary American society and their relationships and places within society. Emphasized will be how social pressures influence us in every aspect of our lives, family, religion, education, culture, and government. Special attention is given to concerns and trends in adolescence and how teens can become contributing members of the greater society.

**Women’s History                      1 semester                      .5 credits                      11-12th grades**

**Prerequisite: World History I or concurrent**

**NCAA Approved**

Women’s History will serve as a review of significant eras and topics in U.S. history, but will offer a more extensive and comprehensive view of the role of women throughout these time periods. The course will provide an overview of women’s history in America, beginning with the 17<sup>th</sup> century colonial settlements and extend to the 1970s, to examine the relationship between gender and politics, the participation of women in the public and political sphere, and the social and cultural trends affected by women.

**A.P. GOVERNMENT Grade Level: 11-12 (Full Yr.) Prerequisite: U.S. Hist. & Tchr. Rec.**

**NCAA Approved**

Students in this course must be dedicated to their study of the American political system. Beginning with the U.S. Constitution, students will go beyond the basics and delve into political parties, our democracy in action, the bureaucracy, and the making of policy. Students may earn college credit by passing a standardized, rigorous final examination. This course will be offered every year with appropriate enrollment. Students must have a signed approval from a social studies teacher and a 3.0 GPA in social studies classes.

## Mathematics

The mathematics courses are designed for a logical sequential progression in the learning of mathematics. All students must complete four full credits of mathematics in order to graduate. Realistically, however, every career currently requires the use of math as does living well as an adult. Students will also increase their ability to think both critically and logically. All major universities prefer three to four years of mathematics. Every student should plan to have a basic understanding of the mathematics needed in everyday life. All Core courses will have the 9 mathematical practices embedded within them. They are: make sense of problems and persevere in solving them, reason abstractly and quantitatively, construct viable arguments and critique the reasoning of others, model with mathematics, use appropriate tools strategically, attend to precision, look for and make use of structure and look for and express regularity in repeated reasoning.

**Algebra 1 (A & B)**                      **Full Year**                      **1 credit**                      **9-10th grades**  
**NCAA Approved**

Algebra I is the study of the Real numbers and the operations on them. In this course students will master adding, subtracting, multiplying, and dividing Real numbers, polynomials and rational expressions. Additional topics of study include modeling with and evaluating algebraic expressions, solving equations, working with exponents, solving systems of equations, factoring, graphing linear equations, understanding and modeling with slope, inequalities, quadratics and statistics.

**Algebra 2(A & B)**                      **Full Year**                      **1 credit**                      **9-11th grades**  
**Prerequisite: Algebra 1**  
**NCAA Approved**

Algebra 2 builds on the concepts learned in Algebra 1. Concepts are revisited and studied at a higher level. Additional topics include the study of sets, linear and quadratic functions (domain and range, graphing, reading graphs, zeros, sign charts), the Binomial Theorem, combinatorics, factoring, roots, logarithms, the Quadratic Formula and solving absolute value equations and inequalities.

**Geometry (A & B)**                      **Full Year**                      **1 credit**                      **10-12th grades**  
**Prerequisite: Algebra 1 & 2**  
**NCAA Approved**

Although there are many types of geometry, school mathematics is devoted primarily to plane Euclidean geometry, studied both synthetically (without coordinates) and analytically (with coordinates). During high school, students begin to formalize their geometry experiences from elementary and middle school, using more precise definitions and developing careful proofs. Students will study congruence, similarity, symmetry, various geometric figures, the unit circle, right triangle trigonometry and conic sections. Additional topics include logic proofs.

**Pre-calculus**                      **Full Year**                      **1 credit**                      **11-12th grades**  
**Prerequisite: Algebra 1 & 2 and geometry**  
**NCAA Approved**

Pre-calculus is the preparation for calculus. The study of the topics, concepts, and procedures of pre-calculus deepens students' understanding of algebra and extends their ability to apply algebra concepts and procedures at higher conceptual levels, as a tool, and in the study of other subjects. The theory and applications of trigonometry and functions are developed in depth.

**Advanced Placement Calculus**                      **Full Year**                      **1 credit**                      **12th grade**  
**Prerequisite: Pre-calculus**  
**NCAA Approved**

Calculus AB is concerned with developing the students' understanding of the concepts of calculus and providing experience with its methods and applications. The courses emphasize a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. Students will work with functions represented in a variety of ways: graphical,

numerical, analytical, or verbal, understand derivative in terms of a rate of change and local linear approximation, and be able to use derivatives to solve a variety of problems. Students will understand the meaning of the definite integral both as a limit of Riemann sums and as the net accumulation of change, and should be able to use integrals to solve a variety of problems. Students will understand the relationship between the derivative and the definite integral as expressed in both parts of the Fundamental Theorem of Calculus. This full year course will align with one semester of college Calculus 1, and will prepare students to take the AP test in the spring.

**Statistics & Probability**                      **Full Year**            **1 credit**                      **12th grade**  
**Prerequisite: Algebra 1 & 2 and Geometry**  
**NCAA Approved**

The Statistics and Probability course is designed to provide students with a basic understanding of statistical concepts and methods and their connections to our daily lives and world. Emphasis will be placed on the application of these concepts and methods. This class will lay the foundation to facilitate further study in the area of statistics and probability. Topics covered during the class include methods of data collection, summarization and presentation.

**Advanced Placement Statistics**            **Full Year**            **1 credit**                      **12th grade**  
**Prerequisite: Algebra 2 or Pre-calculus**  
**NCAA Approved**

The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding.

## Science

The science program is designed to meet the needs of students who have varying degrees of interest in the subject. All students must earn three full credits in science to meet graduation requirements. All students will be administered the MME High School Tests for science in grade 11. Students preparing for a specific career should be aware of the science background needed for the career and plan their science programs to meet that specific need. Students preparing to meet college entrance requirements should schedule additional science courses including Chemistry and Physics. Students planning careers in scientific or technical fields should enroll in as many science courses as their schedule permits.

**Physical Science**                      **Full Year**                      **1 credit**                      **9-12th grades**  
**NCAA Approved**

In this course, students will utilize scientific practices to discover knowledge and overarching concepts related to physical science. The curriculum is aligned to the Next Generation Science Standards for physical science. The focus of the course will be the strengthening of student ability to engage in science practices, including:

- Developing and Using Models
- Planning and Carrying Out Investigations
- Using Mathematics and Computational Thinking
- Analyzing and Interpreting Data
- Constructing Explanations and Designing Solutions
- Engaging in Argument from Evidence
- Obtaining, Evaluating and Communicating Information
- Asking Questions and Defining Practices

**Biology**                                      **Full Year**                      **1 credit**                      **9-12th grades**  
**NCAA Approved**

This course deals with the following topics: chemistry of life, cell structure and reproduction, genetics, evolution, classification, comparative animal anatomy and physiology and ecological systems. Experiments and investigations are included as an integral part of the course. A major focus of the course will be the strengthening of student ability to engage in science practices.

**Anatomy & Physiology**                      **Full Year**                      **1 credit**                      **11-12th grades**  
**Prerequisite: Biology (C+ or better) and teacher approval**  
**NCAA Approved**

This is an advanced course studying macro-physiology and anatomy. Students will be studying how the 11 human systems work together. Special emphasis will be on effects to human health. This class does contain extensive vocabulary and diagrams. This is an excellent class for students who wish to pursue a career in the medical field. Systems covered in A include nervous system, skeletal system, muscular system, integumentary system and general physiology. Systems covered in B include digestive system, cardiovascular system, respiratory system, urinary system, and reproductive system.

**Advanced Placement Biology**                      **Full Year**                      **1 credit**                      **10-12th grades**  
**Prerequisite: Biology and teacher approval**  
**NCAA Approved**

This is a biology class taught at the college level. The course is designed by a national board to present an in-depth study of life. Some topics from biology are repeated at a more advanced level. Many experiments and personal research is required. Students must be able to demonstrate their knowledge of the subject in written form since many lab reports are required. The class is designed for students who wish to take the advanced placement test before entering college to place out of biology with college credit. Some summer work is required.

*\* This class will be offered in 2021-2022.*

**Environmental Science**                      **1 semester**    **.5 credits**    **11-12th grades**  
**NCAA Approved**

Students will study the environment using an interdisciplinary science approach. Laboratory work, computer exercises, field activities and simulations will aid students in understanding the environment. Major themes of study include ecology, human population's pollution, biomes and energy sources. The impact of humans on the environment, including illegal and political issues involving the environment will be emphasized. Students may elect to take one semester or two semesters of environmental science.

**Physics**    **Full Year**    **1 credit**    **10-12th grades**  
**Prerequisite: Algebra 2 (can be taken concurrently) or teacher approval**  
**NCAA Approved**

Students will gain a genuine understanding of the physical laws fundamental to all sciences through the study of motion, forces, energy, light, sound and electricity. Problem solving, laboratory work and real world applications are key elements of this course. A major focus of the course will be the strengthening of student ability to engage in science practices.

**Chemistry**    **Full Year**    **1 credit**    **10-12th grades**  
**Prerequisite: Algebra 2 (can be taken concurrently) or teacher approval**  
**NCAA Approved**

Chemistry is the study of the changing physical world and its effect on human life. The course will emphasize confidence in the scientific method, observation and experimentation, cause and effect, and the exactness in measurement, classical laws and theories of chemistry. Students will take a close look at chemical reactions, chemical substances and chemical bonding as well as be introduced to thermochemistry, behavior of gases, kinetics, chemical equilibrium, organic chemistry and other areas. This course is a must for those entering scientific, engineering or medical fields. A major focus of the course will be the strengthening of student ability to engage in science practices.

**Advanced Placement Physics I**    **Full Year**    **1 credit**    **10-12th grades**  
**Prerequisite: Geometry A (can be taken concurrently), PSAT score and teacher approval**  
**NCAA Approved**

This class is a physics class taught at the college level. This course is designed by a national board to present an in-depth study of physics, including one and two dimensional motion, rotational and circular motion, dynamics, universal momentum, energy, circuit electricity and waves. Some topics from physics are repeated at a more advanced level. Students must be able to demonstrate their knowledge of physics through homework, quizzes, test and laboratory reports. The class is designed for students who wish to take the advanced placement before entering college to place out of physics with college credit. Some summer homework may be required.

*\* This class will be offered 2020-2021.*

**Advanced Placement Physics II**    **Full Year**    **1 credit**    **11-12th grades**  
**Prerequisite: Algebra 2 (C+ or better), PSAT score, teacher approval, and AP Physics I**  
**NCAA Approved**

This class is a physics class taught at the college level. This course is designed by a national board to present an in-depth study of physics, including electricity, magnetism, fluid mechanics, optics and modern physics. Some topics from physics are repeated at a more advanced level. Students must be able to demonstrate their knowledge of physics through homework, quizzes, test and laboratory reports. The class is designed for students who wish to take the advanced placement before entering college to place out of physics with college credit. Some summer homework may be required.

*\* This class will be offered in 2021-2022.*

**Forensic Science**    **1 semester**    **.5 credits**    **11-12th grades**  
**NCAA Approved**

This is an elective course for students who are interested in crime scene investigation. This course will incorporate science topics from Biology, Physics, and Chemistry and applies this knowledge to criminal

investigations. Forensic Science is a fast paced, hands-on course, covering topics in hair and fiber analysis, crime scene sketching, fingerprints, blood spatter, death, toxicology, and others. The course culminates in a mock crime scene, where students apply what they have learned to solve the crime. The crime scene will be a large portion of the Final Exam grade, which ALL students must complete.

## **Physical Education/Health**

It is by a mandate from the State Board of Education that all students must earn at least one half credit in physical education and one half credit in health. The 1/2 credit health requirement can be earned through the Living Well/Health class listed below or in the Human Services Pathway section of this guide. If the body does not work hard enough to sustain an increased heart rate for a minimum of 20 minutes per workout (aerobics), enough oxygen does not get to the brain to keep it healthy. It was the earliest philosophers who taught that the mind was healthy only when the body was healthy. For this reason, students need to plan physical education courses and life-long recreation if they wish their minds to work at optimum levels.

### **Physical Education                      1 semester                      .5 credits                      9-12th grades**

Activities will include sport leagues, games, weight-training circuits and regular cardiovascular conditioning. The purpose of this class is to offer a variety of physical activities that can help students develop the skills needed to live an active and healthy lifestyle as an adult. Physical Education is a one semester class, which may not be taken more than once for credit.

\*Four complete seasons of recognized Southgate Anderson High School athletics will waive the PE requirement. Additional classes such as marching band and JROTC may also fulfill this requirement. Fulfilling this requirement within the same category is necessary for the waiver to be met. (i.e. JROTC and athletics can not be combined to waive the requirement.)

### **Sports Tech.    1 semester    .5 credits    9-12th grades**

#### **Prerequisite: (see below)**

This class is recommended to any student that wishes to compete in sports in an organized setting. Through league competition students will maintain or develop a certain level of strength, endurance and coordination. The purpose of this class is to offer a competitive environment for team competition. Students attending this class will work out in the weight-room once a week.

\* Students must complete PE or have completed two recognized Southgate Anderson High School athletic seasons to enroll in this class. In addition, 9th grade students must get teacher approval to enroll in this class.

### **Weight Training & Conditioning                      1 semester    .5 credits    9-12th grades**

#### **Prerequisite: (see below)**

This class is recommended to students who want to increase their fitness levels during school. The purpose of this class is to offer an environment for students to maintain or increase their muscular strength and cardiovascular conditioning. Students will visit the weight-room three days per week and participate in sports and games the remaining two days.

\* Students must complete PE or have completed two recognized Southgate Anderson High School athletic seasons to enroll in this class. In addition, 9th grade students must get teacher approval to enroll in this class.

### **Living Well/Health    1 semester    .5 credits    9-12th grades**

Health habits that are basic to everyday living and the total well-being of the individual will be taught. Included are units of study of disease prevention, nutrition, growth and development, family health, emotional and mental health, substance use and abuse, safety, and community health. Success in this class fulfills the online learning requirement under the MME curriculum.



## **Enhanced Academic Support**

The opportunities listed below are also available to students. Please read the requirements and descriptions carefully.

### **College & Career Readiness**

**Full Year**

**1 credit**

**11th grade**

Students will alternate between ELA and math sections to hone their skills for the SAT. Course will include curriculum designed to increase scores by double what they otherwise would. In addition, students will link to Khan Academy to attain individualized improvement. Study skills, interview skills, research, college and career readiness skills will also be taught.

### **Guided Academics**

**1 semester**

**.5 credits (G)**

**9-12th grades**

This course will provide reading, academic, study and organizational skills, and time management support for students who need additional help with course completion