

# Affton High School

## Career & Educational Planning Guide 2018-2019



### **Mission**

The mission of AHS is to prepare all of our students to become confident and capable citizens through rigorous, customized learning.

### **Vision**

Affton's continuous journey toward excellence sparks innovative teaching and learning, developing students as responsible citizens prepared for the challenges of the global society. Students grow as highly capable, curious, and confident learners through customized instruction, fueled by technology integration and the passions of the Affton community.

## Important Numbers for Affton High School

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## Graduation Requirements

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Content Area	Credits	Notes
English	4	
Math	3	4 years of math are recommended for college admission
Science	3	
Social Studies	3	Must include 0.5 Government & 1.0 US History
Fine Arts	1	Art, Music, Drama
Practical Arts	0.5	Business, FACS, Industrial Tech, PLTW, South Tech
Personal Finance	0.5	
Physical Education	1	
Health	0.5	
Electives	7.5	
Total	24	

**Students also must meet the following requirements for graduation:**

- Successfully complete the US and Missouri Constitution Tests.
- Take the End of Course Exams in English 2, Algebra 1, Biology, and American Government.

Modern Language is not required for Affton High School graduation, but 2 years of the same language are recommended for college admission.

## Earning Credit

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Credit is awarded for all classes that a student completes with a grade of 60% (D-) or better, unless the course is designated as one that does not earn credit.

## Grade Replacement

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Students may retake a course to increase their understanding of the course content and improve their grade in the course. After repeating a course the lower grade is replaced with an NC and is no longer calculated into the student's GPA.

Students must take an identical course to qualify for a grade replacement. For example, a student could not take a regular Geometry class to replace the grade for an Honors Geometry class.

All grade replacement requests should start with the student's counselor.

## Grading Scale

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The school year is organized on a semester basis. Each semester is divided into three six-week grading periods. Progress reports are issued at the end of each six-week term. Each grading period reflects the current total cumulative grade for the class. Only the semester grade is entered on the student's official transcript.

Letter Grade	Percent	Regular	Weighted
A	93-100	4	4.5
A-	90-92	3.667	4.167
B+	87-89	3.333	3.833
B	83-86	3	3.5
B-	80-82	2.667	3.167
C+	77-79	2.333	2.833
C	73-76	2	2.5
C-	70-72	1.667	2.167
D+	67-69	1.333	1.833
D	63-66	1	1.5
D-	60-62	0.667	1.167
F	59 or below	0	0

- NC NC may be received when a student retakes a class in order to earn a better grade. The lower grade of the 2 attempts is recorded as an NC on the transcript.
- I Incomplete: Work must be completed at the end of ten school days or grade automatically reverts to an "F", unless time is extended by the Principal.

All courses designated as Honors or AP are assigned a weighted grade.

## Calculating Your Grade Point Average (GPA)

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The grade point average (GPA) is computed by adding the grade point values of the student's semester grades in each course and dividing by the number of classes taken. For example, if a student took 7 classes they would determine their grade point for each class using the table above and then divide the total by 7.

## **A+ Program**

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Students who meet the requirements for the A+ program may qualify for state-paid tuition to community colleges and technical schools in Missouri.

### **Student Eligibility Requirements**

1. Attend a designated A+ school for three years immediately before graduation
2. Obtain a final GPA of 2.5 or higher on a 4.0 scale (unweighted and not rounded)
3. Have at least 95% attendance over a four-year period (unrounded)
4. Perform 50 hours of unpaid mentoring or tutoring, of which up to 25% may include job shadowing
5. Maintain a record of good citizenship and avoid unlawful use of alcohol and drugs, as defined by district policy
6. Obtain the necessary score on the Algebra 1 EOC or ACT math subtest

Students may apply for the A+ Program up to the 2nd week of second semester of their senior year. Contact Marilyn Allen to apply or for more information 314-633-5985 or [mallen@afftonschools.net](mailto:mallen@afftonschools.net).

## **Early Departure**

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During junior year students may apply for a mid-year departure during their senior year at AHS.

To be eligible students must meet all AHS graduation requirements by the end of the first semester of their senior year. This includes all EOC exams and a college/career readiness test.

Students are also responsible for working out a plan to meet all admission requirements for the college/university they plan to attend.

Students should complete the Early Departure application when they register for classes in the winter of their junior year.

Students who opt for an early departure may still participate in all senior activities including prom and graduation but will not be eligible to participate in athletics because they will not be enrolled in the required six (6) classes.

## College and Career Preparation

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AHS has a College & Career Counselor to help you with all of your career exploration and post-secondary planning needs. Mrs. Giunta is available to meet with students and parents to discuss plans for after high school and help identify potential colleges, universities, and training programs to help students reach their goals.

College admissions standards vary from school to school. More selective schools have more strict guidelines for admission. It is important for students to investigate the exact admissions standards for each school they are interested in attending.

Schools often consider the following factors when evaluating a student for admission.

- GPA
- ACT/SAT Score
- Class Rank
- Extracurricular activities and honors
- Difficulty of courses taken
- Teacher recommendations

When enrolling in courses for high school, consider your plans for after high school and work with your counselor to ensure you are taking classes that will prepare you for your goals. AHS counselors recommend that you take the most challenging classes in which you can be successful.

For more information contact Mary Giunta, College Counselor, at 314-633-5953 or [mgiunta@afftonschoools.net](mailto:mgiunta@afftonschoools.net)

Follow the AHS College & Career Center on Social Media



@AHSCollegeCentr



Affton C2C (Cougars to College)

## High School Credit Example Guidelines for College Admission

	English	Math (starting with Algebra 1)	Social Studies	Science	Modern Language
<p><b>Highly Selective Colleges</b></p> <p>Examples: Harvard, Northwestern, Washington University, Vanderbilt, University of Chicago, NYU, Stanford, Rice, Notre Dame, Military Academies</p>	4	4	4	4	4
<p><b>Moderately Selective Colleges</b></p> <p>Examples: Virginia, Georgia, Florida, Tulsa, Boston University, Elon, Illinois, Marquette, Tulane, Purdue, Michigan</p>	4	4	4	4	3
<p><b>University of Missouri System</b></p> <p>Examples: Missouri S&amp;T, UMSL, UMKC, Mizzou</p>	4	4	3	3	2
<p><b>Other State Schools</b></p> <p>Examples: Missouri State, University of Arkansas, Ole Miss, Indiana University, University of Kansas, Southeast MO State, University of Central Missouri, Truman State University, University of Alabama</p>	4	4	3	3-4	2
<p><b>Community College</b></p> <p>Examples: STLCC, Jefferson College, Mineral Area College</p>	4	3-4	3	3	0-2
<p><b>Technical Colleges</b></p> <p>Examples: Ranken, State Technical College of Missouri</p>	4	3-4	3	3	0-2
<p><b>Military</b></p> <p>Examples: Army, Navy, Air Force, Marines, National Guard</p>	4	3-4	3	3	0-2

Check with each college or your College Counselor to understand specific requirements.

## Advanced College Credit

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Advanced College Credit provides an opportunity for qualified high school juniors and seniors to begin experiencing the academic rigors of college course work. In addition to receiving credit toward high school graduation, for selected academic courses students can earn college credit.

AHS offers Advanced College Credit through Saint Louis University, Missouri State, University of Missouri - St Louis, Fontbonne University, and St. Louis Community College. The programs are controlled entirely by the university offering the credit.

Students who meet registration requirements, tuition payment deadlines, and successfully complete the course, receive graded course credit which appears on a transcript from the university. Students will also receive high school credit for courses passed and all course grades will be reported on the high school transcript.

When applying to colleges students must send their AHS transcript and transcripts from all universities from which they have earned college credit. **It is the student's responsibility to request college transcripts directly from the universities.**

Students may choose to take these courses for college credit or only for high school credit. Regardless of the choice, the course rigor and expectations are designed as a college course and compare to the rigor and expectations placed on students enrolled in the same course on the college campus.

Each program has its own requirements, applications, and deadlines. For additional information about the SLU 1818 Program contact Heather Mayfield at 314-633-5954 or [hmayfield@afftonschools.net](mailto:hmayfield@afftonschools.net). For all other college credit programs contact Marilyn Allen at 314-633-5985 or [mallen@afftonschools.net](mailto:mallen@afftonschools.net).

### AHS Courses Available for Advanced College Credit

Affton Course	University	Semester	Course Title	Credits
<b>English Courses</b>				
AP English Language	SLU	Fall	ENGL 1500: Process of Composition	3
	SLU	Spring	ENGL: 1900: Advanced Strategies of Rhetoric & Research	3
AP English Literature	SLU	Fall	ENGL 2350: Faith, Doubt, Literature	3
	SLU	Spring	ENGL 2550: Gender, Identity & Literature	3
Bosnian American Studies	Fontbonne	Fall/Spring	BON 293: Special Topics in Bosnian Studies	3

### AHS Courses Available for Advanced College Credit (cont.)

Affton Course	University	Semester	Course Title	Credits
<b>Mathematics Courses</b>				
College Algebra	STLCC	Fall	MTH 140: Intermediate Algebra	3
		Spring	MTH 160: College Algebra	3
<b>Science Courses</b>				
AP Biology	UMSL	Fall/Spring	BIOL 1012: General Biology	3
Honors Anatomy	UMSL	Fall/Spring	BIOL 1013: General Biology Laboratory	2
	UMSL	Fall/Spring	BIOL 1131: Human Physiology & Anatomy 1	4
<b>Social Studies Courses</b>				
AP US History	SLU	Fall	HIST 2600: History of the US to 1865	3
AP US Govt & Politics	SLU	Spring	HIST 2610: History of the US since 1865	3
	SLU	Spring	POLS 1100: American Politics	3
<b>Modern Language Courses</b>				
Honors French 3	SLU	Spring	FREN 1010: Communicating in French 1	3
Honors French 4	SLU	Fall	FREN 1020: Communicating in French 2	3
	SLU	Spring	FREN 2010: Intermediate French: Language & Culture	3
Honors Spanish 3	SLU	Spring	SPAN 1010: Communicating in Spanish 1	3
Honors Spanish 4	SLU	Fall	SPAN 1020: Communicating in Spanish 2	3
	SLU	Spring	SPAN 2010: Intermediate Spanish: Language & Culture	3
<b>Fine Arts Courses</b>				
Honors Adv Theatre Arts	SLU	Fall/Spring	THR 1000: Approaching the Arts: Theatre	3
<b>Practical Arts Courses</b>				
Accounting	MO State	Fall/Spring	ACC 109: The Accounting Cycle	1
Personal Finance	MO State	Fall/Spring	FIN 150: Personal Finance	3
Intro to Marketing	MO State	Fall/Spring	MKT 150: Marketing Fundamentals	3
Webpage Design	STLCC	Fall/Spring	IS 139: Web Publishing	3
<b>Project Lead the Way Courses</b>				
Principles of Engineering	STLCC	Fall/Spring	GE 121: Principles of Engineering	3
Aerospace Engineering	STLCC	Fall/Spring	GE 151: Intro to Aerospace Engineering	3
Engineering Design & Dev	STLCC	Fall/Spring	GE 122: Engineering Design & Development	3
Biomedical Innovations	STLCC	Fall/Spring	BI 104: Basic Lab Methods for Biotechnology	3
AP Computer Science A	STLCC	Fall/Spring	IS 187: Java Programming	4
<b>STL CAPS Courses</b>				
Engineering & Adv Manufac	STLCC	Fall/Spring	GE 122: Engineering Design & Development	3
Medicine & Healthcare	STLCC	Fall/Spring	BI 104: Basic Lab Methods for Biotechnology	3
	STLCC	Fall/Spring	BI 109: Human Biology	3

Please note that courses may change from year to year due to staffing and changes to the university programs.

## Advanced Placement (AP) Courses

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AP English Language	AP Biology	AP Studio Art
AP English Literature	AP Physics 1	AP Comp Sci Principles
AP Calculus AB	AP US History	AP Comp Science A
AP Calculus BC	AP Govt & Politics US	AP Seminar
AP Statistics	AP Psychology	AP Research

Advanced Placement (AP) Courses give students the opportunity to earn credit or advanced standing at most of the nation's colleges and universities. AP Courses are more challenging and stimulating than regular high school classes. AP courses explore subjects in greater depth, give greater opportunity for individual accomplishment, take more time, and require more work.

To earn AP credit, a student must take the AP exam at the end of the spring semester. Registration for exams begins early second semester. A score of 3, 4, or 5 can qualify a student for college credit. High school credit is awarded in any case, based on the semester course grade (note: a grade of "F" will receive no credit). Students are encouraged to check with each institution they are interested in attending to find out specific information about the acceptance of AP credit.

For more information contact Jane Bohn, AP Coordinator at 314-633-5952 or [jbohn@afftonschools.net](mailto:jbohn@afftonschools.net) or [www.collegeboard.org](http://www.collegeboard.org)

## Dual Enrollment - St. Louis Community College

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Dual enrollment allows students to get a head start on their college career while still in high school by taking classes at St. Louis Community College (STLCC).

To participate in Dual Enrollment students must meet the following requirements.

- Be a sophomore, junior, or senior in high school
- Have a 2.0 or higher GPA for juniors or seniors, 3.0 or higher GPA for sophomores
- Obtain permission from their school counselor
- Complete an application and submit their transcript to STLCC
- Schedule an appointment with an admissions representative at STLCC

## Project Lead the Way (PLTW) College Credit Program

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Students can earn college credit by achieving a certain score on their PLTW End of Course Exams. To receive college credit for PLTW courses students must submit an application and tuition fees to the school of their choice. College credit for PLTW classes is available through Missouri S&T, University of Central Missouri, St. Louis Community College and many others. For more information on PLTW college credit options visit [www.pltw.org/our-partners/college-and-university-partners](http://www.pltw.org/our-partners/college-and-university-partners)

For more information contact Marilyn Allen at 314-633-5982 or [mallen@afftonschools.net](mailto:mallen@afftonschools.net)

## Articulated College Credit

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Articulated college credit is free college credit earned while in high school. This credit can be applied at St. Louis Community College towards an Associate in Applied Science degree or certificate program. Students must contact a CTE transition specialist at STLCC to receive the credit.

Affton Course	Articulated Course	Related Program of Study	Hours
Child Development 1&2	ECE 125 Child Growth & Dvlpmnt	Early Care and Education	3
Nutrition & Wellness	Credit by examination	Culinary Arts	varies

## Affton Athletic Eligibility

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To participate in athletics and extracurricular activities students must meet the following requirements.

- Have passed a minimum of six courses the semester previous to the start of their sport
- Be enrolled in a minimum of six courses for credit
- Maintain a minimum GPA of 1.5, which is recalculated every six weeks (each term)

Note: All students promoted to 9th grade are eligible for athletics at the beginning of their freshman year.

Students who have been ineligible in the past become eligible on the 5th day of the new semester, after having met the eligibility requirements the previous semester.

Students not eligible to participate in competitions may practice with their team while they work on improving their academic status. It is recommended that these students attend after-school study halls which are available 4 days a week.

Online courses WILL count toward eligibility if they meet the following requirements

1. The courses are from the approved curriculum
2. The student is enrolled in the course at the beginning of the semester
3. Progress in the course is monitored throughout the semester
4. The course is completed by the end of the semester

For more information on athletic eligibility contact Dan Oliver, Athletic Director at 633-0016 or [doliver@afftonschoools.net](mailto:doliver@afftonschoools.net).

Before dropping courses consult with your counselor to determine how it will affect your eligibility.

## College Athletic Eligibility

College athletics are governed by two organizations, the NCAA and the NAIA. Each group has specific requirements that students must meet to be eligible to participate in athletics in college.

If you are interested in playing sports in college talk to your counselor early and often to ensure that you take courses that meet eligibility requirements.

### NCAA

The NCAA has three divisions, each with different requirements. Division I & II both require 16 core credits and a minimum core GPA and ACT/SAT score. More information is available at [www.ncaa.org](http://www.ncaa.org).

Area	Division I	Division II
English	4 Years	3 Years
Math	3 Years (Alg 1 or higher)	2 Years (Alg 1 or higher)
Science	2 Years	2 Years
Additional	1 credit of English, Math or Science	3 credits of English, Math or Science
Social Studies	2 Years	2 Years
Additional	4 additional credits of English, Math, Science, Social Studies, Modern Language, or Comparative Religion/Philosophy	4 additional credits of English, Math, Science, Social Studies, Modern Language, or Comparative Religion/Philosophy
Minimum GPA	2.3 in core courses	2.2 in course courses
ACT/SAT Score	Sliding scale with GPA	Sliding scale with GPA

The following core courses at AHS DO NOT count towards NCAA eligibility

Mystery & Argument

Literature Through Film

Mass Media

Intermediate Algebra

NCAA Division III schools do not give out athletic scholarships. These schools set their own eligibility standards for athletes.

Students interested in playing sports in college should register with the NCAA during their junior year. The eligibility center can be found at [www.eligibilitycenter.org](http://www.eligibilitycenter.org).

### NAIA

To be eligible for athletics through the NAIA students must graduate from high school and meet two of the three criteria listed below.

- A minimum overall GPA of 2.0 on a 4.0 scale
- Graduate in the top half of their high school class
- Score a minimum of 18 on the ACT or 940 on the SAT

Students interested in playing sports in college should register with the NAIA during their junior year. The eligibility center can be found at [www.playnaia.org](http://www.playnaia.org).

## South Technical High School

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Junior and senior students have the opportunity to attend South Tech High School for half a day to gain hands on experience in their chosen major. Students continue to take their core classes at Affton High School and attend South Tech for their elective classes. South Tech is a great opportunity for students who enjoy hands on learning, want to get involved in their chosen career now, and want to begin earning certifications and career skills while still in high school.

Students are encouraged to apply to South Tech early during their sophomore year. Many programs are competitive. Admission to South Tech is based on completion of required credits, attendance, and discipline.

For a list of programs available at South Tech see page 75 of this book.

**For application and more information visit [southtechnical.org](http://southtechnical.org)**

## STL CAPS

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The St. Louis Centers for Advanced Professional Studies (STL CAPS) is part of the national CAPS Network that spans 11 states, 33 programs and 70 high schools. St. Louis CAPS provides juniors and seniors the opportunity to fast-forward beyond college to test-drive their future in high-skill, high-demand careers.

Instead of learning in a traditional high school setting, students are immersed in professional workplaces such as medical centers, research labs, business co-working offices, and higher education facilities. Students must submit an application to be considered for the program.

### Key Points of STL CAPS

- Open to 11th and 12th grade students
- Year-long course worth 3 high school credits
- College credit options available
- Morning Session 7:30 – 10:00 a.m.
- Afternoon Session 12:00 – 2:30 p.m.
- 4 courses available: 1) global business and entrepreneurship, 2) medicine, healthcare, and bioscience, 3) engineering and advanced manufacturing, 4) technology solutions and logistics
- Each course meets outside of the home high school at a business/industry partner location (i.e. medical center, business incubator, research facility, college campus, etc.)
- Students are responsible for providing transportation.
- Apply online at <http://stlcaps.yourcapsnetwork.org>

For more information on the STL CAPS program see page 66 of this book.

## **Project Lead the Way (PLTW)**

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PLTW students engage in hands-on activities, projects, and problems that are reflective of real-world challenges. This compelling, real-world approach empowers students to learn essential, in-demand skills validated by the world's leading companies, while also providing an invaluable connection between what students are learning in the classroom today and how it applies to the paths they'll take in the future.

AHS has PLTW programs in Biomedical Science, Engineering, and Computer Science. For more information on the courses available in these programs see page 59 of this book.

For more information on the PLTW program contact Marilyn Allen at 314-633-5985 or [mallen@afftonschoools.net](mailto:mallen@afftonschoools.net)

## **AP Capstone**

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AP Capstone is an innovative diploma program from the College Board that equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges.

AP Capstone is built on the foundation of two AP courses - AP Seminar and AP Research - and is designed to complement and enhance the in-depth, discipline-specific study experienced in other AP courses.

Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing will receive the AP Capstone Diploma. Students who earn scores of 3 or higher in AP Seminar and AP Research, but not on four additional AP Exams will receive the AP Seminar and Research Certificate. AP Seminar may also be taken as a stand-alone option.

See page 41 for AP Capstone course descriptions.

## Missouri Option Program

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The Missouri Option Program is a state certified program that provides students with an alternative path for earning a high school diploma. Students in this program earn their diploma by completing specific courses and passing the HiSET exam.

Students in the Missouri Option program typically attend AHS for half a day to work on required credits and prep for the HiSET test. Students are expected to use the rest of their day to work a minimum of 15 hours a week.

To enter the Missouri Option Program students must:

1. Be at least 17 years of age
2. Be credit deficient and at least one year behind their cohort class
3. Test at the 9th grade level on the TABE test (HiSET pre-test)

To earn a high school diploma through the Missouri Option program students must meet the following requirements.

1. Complete 7.5 specific credits (listed below)
2. Take the End of Course exams for English 2, Algebra 1, Government, and Biology
3. Take a DESE approved required college prep test
4. Provide proof of employment for a minimum of 15 hours a week until graduation
5. Pass all sections of the HiSET Test

Required Credits		
1.0 English	1.0 Social Studies	1.0 Fine Arts
1.0 Math	0.5 Am Government	0.5 Personal Finance
1.0 Science	1.0 Physical Education	0.5 Health

Students who complete the Missouri Option Program cannot receive their high school diploma until their cohort class graduates.

For more information contact your student's counselor or Jeff Remelius, Director of Academic Options at 314-638-6330 or [jremelius@afftonschools.net](mailto:jremelius@afftonschools.net)



## Schedule Change Policy

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AHS provides numerous opportunities for students and parents to work with teachers and counselors during the course selection process to verify requests. We aim to work as a team in order to select the correct classes to fit every student's needs.

In order to give our students their requested and alternate (if needed) courses, we believe it is important for students to take the registration process seriously and become responsible for the decisions they make for the upcoming year.

Schedule conflicts will occur occasionally in which counselors will work with students, parents, and teachers to resolve the issue.

### **Changes will only be permitted for the following reasons:**

1. The student has been misplaced (the class is above/below student's comprehension level per teacher recommendation, or does not have the prerequisites).
2. The change is necessary to meet graduation requirements.
3. The student has already taken the class and passed it.
4. The student had the teacher in a previous course and failed, when possible.
5. The student has an incomplete schedule.
6. Administrative decision that the change is in the best interest of the student.

We appreciate your cooperation and working with us to give AHS students the best possible learning opportunities through deliberate and thoughtful choices for course selection.

## Course Selection Information

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### Incoming Freshmen

1. Students will be enrolled in the following four core course areas:

English

English 1  
Honors English 1

Math

Algebra 1A  
Algebra 1  
Geometry  
Honors Geometry

Science

Topics in Physics  
Honors Topics in Physics

Social Studies

World History 1 & 2  
Honors World History 1 & 2

2. It is recommended that all Freshman enroll in PE & Health.

Boys PE  
Girls PE

Health

3. Students should complete their course selections by choosing elective courses from the following areas:

Modern Language, Practical Arts (Business, Family & Consumer Sciences, Industrial Tech), Fine Arts (Art, Music, Speech & Drama), PLTW, and Physical Education

4. Athletes, cheerleaders, dance team members, and students in Band, Orchestra, or Choir must be enrolled in a minimum of 6 credited classes each semester.

5. Include four alternate choices for electives when registering for classes.

## Course Selection Information

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### Rising Sophomores

1. Students will be enrolled in the following four core course areas:

English

English 2  
Honors English 2

Math

Algebra 1B  
Geometry  
Honors Geometry  
Algebra 2  
Honors Algebra 2

Science

Chemistry  
Honors Chemistry

Social Studies

World History 3 & American Government  
Honors World History 3 & American Government

2. Students should complete their course selections by choosing elective courses from the following areas:

Modern Language, Practical Arts (Business, Family & Consumer Sciences, Industrial Tech), Fine Arts (Art, Music, Speech & Drama), PLTW, and Physical Education

3. Athletes, cheerleaders, dance team members, and students in Band, Orchestra, or Choir must be enrolled in a minimum of 6 credited classes each semester.

4. Include four alternate choices for electives when registering for classes.

## Course Selection Information

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### Rising Juniors

1. Students will be enrolled in the following four core course areas:

English

Contemporary Authors  
American Literature  
AP English Language and Composition

Math

Geometry  
Intermediate Algebra  
Algebra 2  
Honors Algebra 2  
Honors Pre-Calculus  
College Algebra  
AP Calculus AB  
AP Statistics

Science

Biology  
Honors Biology  
AP Biology

Social Studies

US History  
AP US History

2. Students should complete their course selections by choosing elective courses from the following areas:

Modern Language, Practical Arts (Business, Family & Consumer Sciences, Industrial Tech), Fine Arts (Art, Music, Speech & Drama), PLTW, Physical Education, and South Tech

3. Athletes, cheerleaders, dance team members, and students in Band, Orchestra, or Choir must be enrolled in a minimum of 6 credited classes each semester.

4. Include four alternate choices for electives when registering for classes.

## Course Selection Information

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### Rising Seniors

1. Students will be enrolled in 1.0 credits of English:

Mystery & Argument  
Literature Through Film (semester)  
Creative Writing (semester)  
Other Voices (semester)  
Bosnian American Studies (semester)  
Mass Media  
AP English Literature & Composition

2. It is highly recommended that all seniors, especially those planning to attend a 4-year college or university, take a Math class senior year.

Intermediate Algebra  
College Algebra  
Honors Pre-Calculus  
AP Calculus AB  
AP Calculus BC  
AP Statistics

3. Students should complete their course selections by choosing elective courses from the following areas:

English, Math, Science, Social Studies, Modern Language, Practical Arts (Business, Family & Consumer Sciences, Industrial Tech), Fine Arts (Art, Music, Speech & Drama), PLTW, Physical Education, South Tech, and STL CAPS

4. Athletes, cheerleaders, dance team members, and students in Band, Orchestra, or Choir must be enrolled in a minimum of 6 credited classes each semester.

5. Include four alternate choices for electives when registering for classes.

## Practice Registration Worksheet

Use this worksheet to make note of classes you would like to take next school year. Make sure you have a course listed in every box, including alternates

Please note: When registering for classes you are not able to select which semester you will take a class.

	Semester 1	Semester 2
<b>English</b>		
<b>Math</b>		
<b>Science</b>		
<b>Social Studies</b>		
<b>Elective</b>		
<b>Elective</b>		
<b>Elective</b>		

### Alternates


Alternates should be semester or year long elective courses that you would like to take if one of your first choice courses does not fit in your schedule.

**Reminder: Schedule changes will only be permitted for the following reasons:**

1. The student has been misplaced (the class is above/below student's comprehension level per teacher recommendation, or does not have the prerequisites).
2. The change is necessary to meet graduation requirements.
3. The student has already taken the class and passed it.
4. The student had the teacher in a previous course and failed, when possible.
5. The student has an incomplete schedule.
6. Administrative decision that the change is in the best interest of the student.

# Affton High School Courses

## **AP Capstone p. 41**

AP Seminar  
AP Research

## **Art p. 42**

Intro & Intermediate 2D Art  
Intro & Intermediate 3D Art  
Advanced Art 1  
AP Studio Art  
Ceramics  
Advanced Ceramics

## **Business p. 44**

Web Page Design  
Graphic Design  
Personal Finance  
Business & Personal Law  
Accounting  
Leadership  
Principles of Business  
Business Economics  
Stock Market Strategies  
Principles of Marketing  
Marketing 1  
Marketing 2  
Affton Student Enterprise  
Marketing Internship  
COE

## **English p. 26**

English 1 & 2 & Honors  
Contemporary Authors  
American Literature  
AP English Language  
Mystery & Argument  
Creative Writing  
Literature Through Film  
Other Voices  
Bosnian American Studies  
Mass Media  
AP English Literature

## **Family & Consumer Sci p. 49**

Nutrition & Wellness  
International Foods  
Child Development 1 & 2  
Fashion & Interior Design  
Advanced Interior Design

## **Math p. 30**

Algebra 1A & 1B  
Algebra 1  
Geometry & Honors  
Intermediate Algebra  
Algebra 2/Trig  
Hon Algebra 2/Trig  
College Algebra  
Hon Pre-Calculus  
AP Calculus AB  
AP Calculus BC  
AP Statistics

## **Miscellaneous Electives p. 70**

ACT Prep  
Cadet Teaching  
Yearbook Practicum 1-3

## **Modern Language p. 51**

French 1 & 2  
Hon French 2-5  
Spanish 1 & 2  
Hon Spanish 2-5

## **Music p. 55**

Band  
Orchestra  
Chorale  
Treble Choir  
Survey of Music  
Music Theory

## **Physical Education p. 57**

Health  
PE  
Elective Team Sports  
Weight Training  
Pre-Season Sports Training

## **Science p. 33**

Topics in Physics & Honors  
Chemistry & Honors  
Biology & Honors  
Zoology  
Forensics  
Anatomy & Physiology  
Hon Anatomy & Physiology  
AP Biology  
AP Physics

## **PLTW p. 59**

Principles of Biomedical Sci  
Human Body Systems  
Medical Interventions  
Biomedical Innovations  
Introduction to Engineering  
Principles of Engineering  
Civil Engineering & Architecture  
Aerospace Engineering  
Engineering Design & Development  
Computer Sci Essentials  
AP Computer Sci Principles  
AP Computer Science A

## **Social Studies p. 37**

World History 1, 2, & 3, & Honors  
American Govt & Honors  
US History  
AP US History  
Contemporary Issues  
Psychology  
Sociology  
AP Psychology  
AP US Govt & Politics

## **Speech & Drama p. 63**

Creative Comm Arts  
Drama 1 & 2  
Creative Film, Video, Media  
Adv Creative Film  
TV Production 1 & 2  
Theatre Arts  
Hon Adv Theatre Arts

## **STL CAPS p. 66**

Business  
Healthcare  
Engineering  
Technology Solutions

## **Technical Ed p. 69**

Intro to Woods Technology  
Advanced Woods  
Intro to Trades Technology

## **ESOL p. 71**

## **Special Education p. 72**

## **South Tech p. 75**

## ENGLISH COURSES

Course Number	Course Name	Grade Level	Semester or Full Year	Prerequisite
H0101A/B	English 1	9	Full Year	None
H0103A/B	Honors English 1	9	Full Year	An "A" or "B" in 8th grade English and a "B" or better on the writing assessment, or department chair approval.
H0110A/B	English 2	10	Full Year	Successful completion of English 1
H0111A/B	Honors English 2	10	Full Year	Successful completion of Honors English 1 with an "A" or "B" or an "A" or "B" in English 1 & approval of the English department upon the examination of the writing portfolio.
H0120A/B	Contemporary Authors	11	Full Year	Successful completion of English 2
H0121A/B	American Literature	11	Full Year	Successful completion of English 2
H0122A/B	AP English Language	11	Full Year	Successful completion of Honors English 2 or completion of English 2 with a recommendation from an English teacher.
H0130A/B	Mystery & Argument	12	Full Year	Completion of three credits of English
H1031	Literature Through Film	12	Semester	Completion of American Lit or AP Eng Lang & Comp
H0132	Other Voices/Other Rooms	12	Semester	Completion of three credits of English
H0133	Bosnian American Studies	12	Semester	Completion of three credits of English
H1034	Creative Writing	12	Semester	Completion of three credits of English
H1035A/B	Mass Media	11-12	Full Year	Completion of three credits of English
H0136A/B	AP English Literature	12	Full Year	Successful completion of Honors AP English Lang or successful completion of a Junior level English course with a recommendation from an English teacher

**GRADUATION REQUIREMENT:** All students are required to pass a minimum of **four credits** of English to graduate.

- one credit of English 1
- one credit of English 2
- one credit from Junior English options
- one credit from Senior English options

# ENGLISH

<b>English 1</b>		<b>Credit:</b> 1.0 English
<b>Grade:</b> 9	<b>Course No.</b> H0101 (8003)	<b>Length:</b> Year
<b>Prerequisite:</b> None		

**Course Description:** English I is a two semester course required for all students. This foundational course provides instruction in basic literacy skills. The course emphasizes vocabulary development, independent reading, and the writing process. English I covers many genres, both fiction and nonfiction. Students will be exposed to such works as *Of Mice and Men*, *Romeo and Juliet*, *The Odyssey*, and a variety of short stories and poems.

<b>Honors English 1</b>		<b>Credit:</b> 1.0 English
<b>Grade:</b> 9	<b>Course No.</b> H0103	<b>Length:</b> Year
<b>Prerequisite:</b> An "A" or "B" in 8th grade English and a "B" or better on the writing assessment, or department chair approval.		

**Course Description:** The emphasis in this course is an expanded curriculum focusing on advanced writing skills and multiple reading selections. This honors course requires students to delve more deeply into reading and writing assignments than in English 1 and will prepare students for Honors English 2. Novels will include works such as *The Book Thief*, *The Pearl*, and *Animal Farm*. Students will also be exposed to such works as *A Midsummer Night's Dream*, *The Odyssey*, and a variety of short stories and poems. Students must maintain at least a C average to be retained in honors English classes. **\*This course requires summer work\***

<b>English 2</b>		<b>Credit:</b> 1.0 English
<b>Grade:</b> 10	<b>Course No.</b> H0110 (8004)	<b>Length:</b> Year
<b>Prerequisite:</b> Successful completion of English 1.		

**Course Description:** English 2 is a year long course, following the successful completion of English 1. It is a survey course in world literature using pieces in a variety of genres to facilitate the mastery of reading and writing skills and strategies. Students continue to analyze and interpret literature and to communicate effectively with a variety of audiences and purposes. Students will read several major works including *Night* by Elie Weisel, *To Kill a Mockingbird* by Harper Lee, and Shakespeare's *The Tragedy of Othello*. Students will also read various short stories, poems, and nonfiction articles. At the end of second semester, students will take the Missouri End-of-Course Exam, which all students need to take before graduation. **\*This course requires summer work\***

<b>Honors English 2</b>		<b>Credit:</b> 1.0 English
<b>Grade:</b> 10	<b>Course No.</b> H0111	<b>Length:</b> Year
<b>Prerequisite:</b> Successful completion of Honors English 1 with an "A" or "B" or an "A" in English 1 and approval of the English department upon examination of the writing portfolio.		

**Course Description:** The emphasis of this course is an expanded curriculum from English 2, focusing on advanced writing skills including a research paper and multiple reading selections of World Literature. This honors course requires more reading and writing assignments than English 2, preparing students for Honors AP English Language and Honors AP English Literature. Emphasis is on classic and contemporary World Literature. Works read include *Oedipus Rex*, *A Doll's House*, *Julius Caesar*, *The Kite Runner*, *Life of Pi*, *Things Fall Apart*, and a variety of short stories, nonfiction essays, and poems. At the end of the second semester students will take the Missouri End-of-Course exam, which all students must take before graduation. Students must maintain at least a C average. **\*This course requires summer work\***

# ENGLISH

<b>Contemporary Authors - English 3</b>	<b>Credit:</b> 1.0 English
<b>Grade:</b> 11 <b>Course No.</b> H0120 (8005)	<b>Length:</b> Year
<b>Prerequisite:</b> Successful completion of English 2	

**Course Description:** Contemporary Authors is a course studying elements of literature in short stories written by American authors of the last one hundred years. Grammar, conventions, and punctuation will be practiced as preparation for the ACT. Works include: *Catcher in the Rye*, *Ava's Man*, *Into the Wild*, and *King of the Hill: A Memoir*. **\*This course requires summer work\***

<b>American Literature - English 3</b>	<b>Credit:</b> 1.0 English
<b>Grade:</b> 11 <b>Course No.</b> H0121	<b>Length:</b> Year
<b>Prerequisite:</b> Successful completion of English 2	

**Course Description:** In American Literature, students will read and analyze short stories, novels, poems, and essays from literature grounded in the American tradition. Students are expected to write several essays including a literary analysis, argument, and a research paper. Readings include *The Great Gatsby*, *Into the Wild*, *The Crucible*, and *One Flew Over the Cuckoo's Nest*. **\*This course requires summer work\***

<b>AP English Language and Composition</b>	<b>Credit:</b> 1.0 English
<b>Grade:</b> 11 <b>Course No.</b> H0122	<b>Length:</b> Year
<b>Prerequisite:</b> Successful completion of Honors English 2 or completion of English 2 with a recommendation from an English teacher	

**Course Description:** In addition to aligning with English 3 Course-Level Expectations, this course also aligns with Saint Louis University composition courses. First semester aligns with English 150 Process of Composition, with an emphasis on reading nonfiction and composition essays with a variety of purposes and audiences. Second Semester aligns with English 190 Advanced Strategies in Rhetoric and Research, with a greater emphasis on fiction, argument development and research-based writing. The literary focus throughout the course is American Literature. Works read include a selection of essays, historical documents, poetry, and major texts including: *The Grapes of Wrath*, *The Great Gatsby*, and *The Crucible*. **\*This course requires summer work\***

<b>Mystery and Argument</b>	<b>Credit:</b> 1.0 English
<b>Grade:</b> 12 <b>Course No.</b> H0130 (8006)	<b>Length:</b> Year
<b>Prerequisite:</b> Completion of three credits of English.	

**Course Description:** Mystery and Argument focuses on reading, writing, speaking, and listening through the context of mystery and argument. Students will read a wide range of novels, nonfiction texts, informational texts, short stories and a graphic novel that explore both the world they live in and their own lives. They will also be required to complete a variety of writings from memoirs, to short mystery stories, to argument essays. **\*This course requires summer work\***

<b>Literature Through Film</b>	<b>Credit:</b> 0.5 English
<b>Grade:</b> 12 <b>Course No.</b> H0131	<b>Length:</b> Semester
<b>Prerequisite:</b> Successful completion of American Literature or AP Eng Lang & Comp	

**Course Description:** In Literature Through Film, students will critically “read” or analyze important films using the same evaluative techniques used in interpreting literature. Students will be expected to read essays about film analysis and film history. Students will be expected to write critical analysis of films discussed throughout the course. Students will be required to attend viewings of at least four films after the regular school day every three weeks during the semester.

# ENGLISH

**Other Voices/Other Rooms****Grade:** 12**Course No.** H0132**Credit:** 0.5 English**Length:** Semester**Prerequisite:** Completion of three credits of English.

**Course Description:** Other Voices is a reading and writing intensive course focusing on the study of texts by and about women and minorities in the United States. A variety of texts, including Toni Morrison's *The Bluest Eye*, engage students in a study of multicultural historical and contemporary perspectives on the complex identities of Americans.

**Bosnian American Studies****Grade:** 12**Course No.** H0133**Credit:** 0.5 English**Length:** Semester**Prerequisite:** Completion of three credits of English. To be eligible for college credit, students must have a 3.0 GPA or above.

**Course Description:** Bosnian American Studies meets the expectations of Fontbonne University's Bosnian Studies 293 course and may be taken for college credit by eligible students. In this writing and research intensive course, students engage a wide variety of fiction and non-fiction texts, collaborate with scholars and professionals in the local and global community, and engage in projects to study the complex history and culture of Bosnians and Bosnian Americans. Student research includes the creation of primary documents for the Bosnia Memory Project or other authentic audiences.

**Creative Writing****Grade:** 12**Course No.** H0134**Credit:** 0.5 English**Length:** Semester**Prerequisite:** Completion of three credits of English.

**Course Description:** Creative Writing is a semester course intended to offer experience in writing creative non-fiction, short fiction, poetry, and drama. Students will read and analyze published works and contribute their own writings for publication and discussion in the class.

**Mass Media (Formerly Newspaper)****Grade:** 11-12**Course No.** H0135**Credit:** 1.0 English**Length:** Year**Prerequisite:** Completion of two credits of English

**Course Description:** Mass Media focuses on the media industry as a whole, encompassing both the consumption and creation of media. Students in this class will keep up with current events in order to better understand the world they live in, while also creating and maintaining various news outlets in both print and digital forms. Students will have the opportunity to take on leadership roles in the school's newspaper, website, and social media accounts. Students taking this class during their junior year will receive elective credit. Seniors will receive English credit.

**AP English Literature and Composition****Grade:** 12**Course No.** H0136**Credit:** 1.0 English**Length:** Year**Prerequisite:** Successful completion of AP English Lang & Comp or successful completion of a Junior level English course with a recommendation from an English teacher.

**Course Description:** AP English Literature and Composition meets the expectations of Saint Louis University's 1818 program and aligns with the Saint Louis University courses English 2350: Faith, Doubt and Literature first semester, and English 2250: Conflict, Social Justice and Literature second semester. Aligning with Saint Louis University's guidelines, students will explore the selected thematic concepts, "Through the reading of a wide variety of genres - including drama, poetry, and fiction - this course engages students in literary ways of knowing. Methods include close reading, comparative textual analysis, and argumentative writing." The course also prepares students to succeed on the AP Literature and Composition exam. Students should be prepared to read a minimum of 10-15 pages of complex literary text per day outside of class. Texts may include: *Hamlet*, *The Handmaid's Tale*, *Crime and Punishment*, and *Invisible Man*. **\*This course requires summer work\***

## MATH COURSES

Course Number	Course Name	Grade Level	Semester or Full Year	Prerequisite
H1001A/B	Algebra 1A	9	Full Year	None
H1002A/B	Algebra 1B	10	Full Year	Successful completion of Algebra 1A
H1003A/B	Algebra 1	9-10	Full Year	None
H1010A/B	Geometry	9-12	Full Year	Credit in Algebra 1
H1011A/B	Honors Geometry	9, 10	Full Year	A "B" or better in Algebra 1 and a teacher recommendation
H1013A/B	Intermediate Algebra	11-12	Full Year	Successful completion of Algebra 1/A&B and completion of Geometry
H1020A/B	Algebra 2/Trigonometry	10-12	Full Year	Successful completion of Geometry or current enrollment in Geometry
H1021A/B	Honors Algebra 2/Trigonometry	10-11	Full Year	A "B" or better in Geometry and a teacher recommendation
H1030A/B	College Algebra	11-12	Full Year	Successful completion of Algebra 2/Trig
H1031A/B	Honors Pre-Calculus	11-12	Full Year	A "B" or better in Algebra 2/Trig or a successful completion of College Algebra and a teacher recommendation
H1032A/B	AP Statistics	11-12	Full Year	A "B" or better in Pre-Calculus, Algebra 2/Trig or College Algebra
H1033A/B	AP Calculus AB	12	Full Year	A "B" or better in Pre-Calculus or a teacher recommendation
H1034A/B	AP Calculus BC	12	Full Year	Successful completion of AP Calculus AB and a teacher recommendation

**GRADUATION REQUIREMENT:** All students are required to pass a minimum of **three credits** of Math to graduate.

# MATH

<b>Algebra 1A</b>		<b>Credit:</b> 1.0 Math
<b>Grade:</b> 9	<b>Course No.</b> H1001 (8012)	<b>Length:</b> Year
<b>Prerequisite:</b> None		

**Course Description:** This course introduces the student to the use of inverse operations to solve simple equations. Students will also explore equations, probability, statistics, geometry, graphing on the coordinate plane, percent, proportions, and formula for area and volume.

<b>Algebra 1B</b>		<b>Credit:</b> 1.0 Math
<b>Grade:</b> 10	<b>Course No.</b> H1002 (8013)	<b>Length:</b> Year
<b>Prerequisite:</b> Successful completion of Algebra 1A		

**Course Description:** This course continues Algebra 1A. Students will solve multiple step equations and inequalities, create and interpret graphs and coordinate geometry, explore polynomials, factoring, logic and discrete math, and formulate algebraic equations from real world scenarios.

<b>Algebra 1</b>		<b>Credit:</b> 1.0 Math
<b>Grade:</b> 9-10	<b>Course No.</b> H1003 (8018)	<b>Length:</b> Year
<b>Prerequisite:</b> none		

**Course Description:** This course introduces the students to variables, equations, and graphs as tools for solving mathematical problems. Students will also explore polynomials, factoring, logic and discrete math, and formulate algebraic equations from real world scenarios.

<b>Geometry</b>		<b>Credit:</b> 1.0 Math
<b>Grade:</b> 9-12	<b>Course No.</b> H1010 (8016)	<b>Length:</b> Year
<b>Prerequisite:</b> Credit in Algebra 1		

**Course Description:** In this course students will apply algebraic principles as part of their analysis of geometric figures. Students will also explore formal proof and trigonometry.

<b>Honors Geometry</b>		<b>Credit:</b> 1.0 Math
<b>Grade:</b> 9-10	<b>Course No.</b> H1011	<b>Length:</b> Year
<b>Prerequisite:</b> A "B" or better in Algebra 1 and a teacher recommendation.		

**Course Description:** This course extends the concepts of regular geometry by placing a heavier emphasis on formal proof. The course also moves at a quicker pace which allows for more in-depth applications. **\*This course requires summer work\***

<b>Intermediate Algebra</b>		<b>Credit:</b> 1.0 Math
<b>Grade:</b> 11-12	<b>Course No.</b> H1013 (8015)	<b>Length:</b> Year
<b>Prerequisite:</b> Successful completion of Algebra 1/A&B and completion of Geometry		

**Course Description:** This purpose of this course is to prepare students for the ACT/SAT tests along with the college level classes that s/he anticipates taking in the future. Many topics in this course are covered in the Algebra 2 course but will be covered more in depth.

<b>Algebra 2 - Trigonometry</b>		<b>Credit:</b> 1.0 Math
<b>Grade:</b> 10-12	<b>Course No.</b> H1020 (8017)	<b>Length:</b> Year
<b>Prerequisite:</b> Successful completion of Geometry or current enrollment in Geometry		

**Course Description:** This course extends the concepts introduced in algebra and geometry with an emphasis on functions and trigonometry. Students will explore complex numbers, logarithms, and probability. **\*This course requires summer work\***

# MATH

## Honors Algebra 2 - Trigonometry

**Grade:** 10-11

**Course No.** H1021

**Credit:** 1.0 Math

**Length:** Year

**Prerequisite:** A "B" or better in Geometry and a teacher recommendation

**Course Description:** This course extends the concepts of regular Algebra 2 - Trigonometry with a heavier emphasis on applications and more in-depth analysis allowed by a quicker pace. **\*This course requires summer work\***

## College Algebra

**Grade:** 11-12

**Course No.** H1030

**Credit:** 1.0 Math

**Length:** Year

**Prerequisite:** Successful completion of Algebra 2/Trig

**Course Description:** This course introduces students to college level algebra. It follows the guidelines set forth by Saint Louis Community College. The course is two college level math courses (one each semester), MTH 140 Intermediate Algebra and MTH 160 College Algebra. To enroll in dual credit, students must have a 2.5 cumulative GPA and pay tuition fees each semester. The dual credit for this course is optional.

## Honors Pre-Calculus

**Grade:** 11-12

**Course No.** H1031

**Credit:** 1.0 Math

**Length:** Year

**Prerequisite:** A "B" or better in Algebra 2/Trig or a successful completion of College Algebra and a teacher recommendation

**Course Description:** This course extends the topics of all previous math courses with an emphasis on functions. Students will explore and model functions verbally, analytically, graphically, and numerically.

## AP Statistics

**Grade:** 11-12

**Course No.** H1032

**Credit:** 1.0 Math

**Length:** Year

**Prerequisite:** A "B" or better in Pre-Calculus, Algebra 2/Trig, or College Algebra

**Course Description:** This course is intended for college-bound students who have a thorough knowledge of college preparatory mathematics including algebra, geometry and trigonometry. Topics covered include experimental design, descriptive statistics, inferential statistics, and probability. This curriculum is aligned with the Advanced Placement Statistics course.

## AP Calculus AB

**Grade:** 11-12

**Course No.** H1033

**Credit:** 1.0 Math

**Length:** Year

**Prerequisite:** A "B" or better in Pre-Calculus or a teacher recommendation

**Course Description:** Calculus AB is a full-year course in the calculus of functions of a single variable. This course covers topics in Functions, Limits, Derivatives, Applications of Derivatives, Integrals, Applications of Integrals, and Differential Equations. With successful performance on the AP Calculus AB Exam, students will earn credit for Calculus I at most universities. This course is aligned with the Advanced Placement Calculus curriculum.

## AP Calculus BC

**Grade:** 12

**Course No.** H1034

**Credit:** 1.0 Math

**Length:** Year

**Prerequisite:** Successful completion of AP Calculus AB and a teacher recommendation

**Course Description:** Calculus BC is a full-year course in the calculus of functions of a single variable. It includes an extensive review of all topics covered in Calculus AB. Additionally, this course covers topics in Differential Equations, Advanced Integration Techniques, Polar and Parametric Functions, and Series. With successful performance on the AP Calculus BC Exam, students will earn credit for Calculus I and Calculus II at most universities. This course is aligned with the Advanced Placement Calculus curriculum.

## SCIENCE COURSES

Course Number	Course Name	Grade Level	Semester or Full Year	Prerequisite
H2001A/B	Topics in Physics	9	Full Year	None
H2002A/B	Honors Topics in Physics	9	Full Year	A "C" or better in Algebra and a teacher recommendation
H2010A/B	Chemistry	10	Full Year	Successful completion of Topics in Physics
H2011A/B	Honors Chemistry	10	Full Year	A "C" or better in Honors Topics in Physics, Algebra 1 (or concurrent enrollment) and teacher recommendation
H2020A/B	Biology	11	Full Year	Successful completion of two years of science courses
H2021A/B	Honors Biology	11	Full Year	A "C" or better in Honors Topics in Physics and Honors Chemistry or a teacher recommendation
H2031	Forensic Science	12	Semester	Successful completion of three years of science courses
H2030	Zoology	12	Semester	Successful completion of three years of science courses
H2032A/B	Human Anatomy & Physiology	12	Full Year	Successful completion of three years of science courses
H2033A/B	Honors Human Anatomy & Physiology	12	Full Year	A "B" or better in Biology or Honors Biology
H2034A/B	AP Physics 1	12	Full Year	A "C" or better in Honors Topics in Physics and a "B" or better in Honors Pre-Calculus or an "A" in College Algebra
H2035A/B	AP Biology	11-12	Full Year	A "B" or better in Honors Biology or a teacher recommendation

**GRADUATION REQUIREMENT:** All students are required to pass a minimum of **three credits** of Science to graduate.

- one credit of Topics in Physics
- one credit of Chemistry
- one credit of Biology

# SCIENCE

**Topics in Physics****Grade:** 9**Course No.** H2001 (8022)**Credit:** 1.0 Science**Length:** Year**Prerequisite:** None

**Course Description:** Physics is the science of energy and its physical effects on matter. Topics include: mechanics, motion, heat, sound, light, electricity, magnetism, and applicable earth and space science objectives.

**Honors Topics in Physics****Grade:** 9**Course No.** H2002**Credit:** 1.0 Science**Length:** Year**Prerequisite:** A "C" or better in Algebra and a teacher recommendation

**Course Description:** This course takes an in-depth look at how matter and energy are related. Topics to be covered include motion, energy, heat, magnetism, and electricity. Students will use problem solving strategies to complete hands on activities.

**Chemistry****Grade:** 10**Course No.** H2010 (8023)**Credit:** 1.0 Science**Length:** Year**Prerequisite:** Successful completion of Topics in Physics

**Course Description:** Chemistry is a study of matter and the changes matter undergoes from a molecular point of view. Through practical application and laboratory experiments, students will explore topics including atomic structure, bonding, the periodic table, reactions, energy, and experimental design.

**Honors Chemistry****Grade:** 10**Course No.** H2011**Credit:** 1.0 Science**Length:** Year**Prerequisite:** A "C" or better in Honors Topics in Physics, Algebra 1 (or concurrent enrollment) and Teacher Recommendation

**Course Description:** Honors Chemistry is an in-depth, mathematical and rigorous study of matter and the changes matter undergoes from a molecular point of view. It is designed for those students with an advanced level of interest and self-motivation. Through practical application and laboratory experiments, students will explore in-depth chemistry topics including atomic structure, bonding, the periodic table, intermolecular forces, solutions, reactions, energy, and experimental design. **\*This course requires summer work.\***

**Biology****Grade:** 11**Course No.** H2020 (8024)**Credit:** 1.0 Science**Length:** Year**Prerequisite:** Successful completion of two years of science courses

**Course Description:** Students will investigate biological systems at the molecular, cellular, and macrobiological level. Selected biological topics will include biochemistry, cell biology, genetics, evolution, and ecology. Learning activities will include laboratory experiments, written exercises, and discussion of these topics. Students should possess basic laboratory and study skills.

**Honors Biology****Grade:** 11**Course No.** H2021**Credit:** 1.0 Science**Length:** Year**Prerequisite:** A "C" or better in Honors Topics in Physics and Honors Chemistry or a teacher recommendation

**Course Description:** Honors Biology students will undertake an in-depth study of life including concepts in biochemistry, cells and cellular processes, heredity and DNA technology, evolution, ecology, and conservation biology. The course will allow students to explore these concepts with an emphasis on research, data collection and analysis, inquiry, and designing and performing experiments.

# SCIENCE

**Forensic Science****Grade:** 12**Course No.** H2031**Credit:** 0.5 Science**Length:** Semester**Prerequisite:** Successful completion of three years of science courses

**Course Description:** Forensic Science introduces the scientific principles and field methods used to solve forensics problems. This course focuses on practices and analysis of physical and biological evidence found at crime scenes. Students will take on the various roles of crime scene investigator, laboratory analyst, and medical examiner in order to collect and evaluate evidence in a problem-solving environment.

**Zoology****Grade:** 12**Course No.** H2030**Credit:** 0.5 Science**Length:** Semester**Prerequisite:** Successful completion of three years of science courses

**Course Description:** Zoology is a survey of the animal kingdom with an emphasis on diversity, anatomy, evolutionary relationships, functional adaptations, and environmental relations. This course focuses on project-based learning and students will actively participate in group projects, dissections, laboratory exercises, and other field experiences.

**Human Anatomy and Physiology****Grade:** 12**Course No.** H2032**Credit:** 1.0 Science**Length:** Year**Prerequisite:** Successful completion of three years of science courses

**Course Description:** Anatomy and Physiology is designed to be an introductory study of the human body for students with an interest in the human body's structure and function. Topics include anatomical structures, physiological systems, and body functions. Students will acquire skills used in the collection and analysis of data as it pertains to body systems. Students will apply the principles of physiology to homeostasis and learn what can happen to the body when it is out of balance.

**Honors/ACP Human Anatomy and Physiology****Grade:** 12**Course No.** H2033**Credit:** 1.0 Science**Length:** Year**Prerequisite:** A "B" or better in Biology or Honors Biology

**Course Description:** Honors/ACP Human Anatomy and Physiology is designed to be the equivalent of a one-semester college introductory anatomy and physiology course for students interested in pursuing healthcare careers. Students may enroll through UMSL to receive dual credit. Students will engage in an intensive study of anatomical structures and physiological systems including the integumentary system, skeletal system, muscular system, and nervous system and special senses. The majority of the course will be taught through the use of an online platform where students will listen to lectures, participate in discussions, and submit assignments. The class will meet after hours in the second semester in order to participate in dissections.

**AP Physics 1****Grade:** 12**Course No.** H2034**Credit:** 1.0 Science**Length:** Year**Prerequisite:** A "C" or better in Honors Topics in Physics and a "B" or better in Honors Pre-Calculus or an "A" or better in College Algebra

**Course Description:** AP Physics I is an algebra-based college level physics course. Topics that are covered include linear and rotational motion, work, energy, waves, magnetism, and electricity. Students will use critical thinking skills to complete inquiry based activities.

# SCIENCE

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**AP/ACP Biology**

**Grade:** 11&12

**Course No.** H2035

**Credit:** 1.0 Science

**Length:** Year

**Prerequisite:** A "B" or better in Honors Biology or a teacher recommendation

**Course Description:** Honors AP/ACP Biology is designed to be the equivalent of a two-semester college introductory biology course. Students may enroll through UMSL to receive dual credit. Students will engage in an intensive study of the four Big Ideas as outlined by the College Board and make connections across these Big Ideas while studying molecules and cells, heredity and evolution, ecology, and biodiversity. Students will demonstrate their knowledge of the process of science by participating in laboratory activities that use the Seven Science Practices as outlined by the College Board.

## SOCIAL STUDIES COURSES

Course Number	Course Name	Grade Level	Semester or Full Year	Prerequisite
<b>Core Classes</b>				
H3000	World History 1	9	Semester	None
H3001	World History 2	9	Semester	World History 1
H3002	Honors World History 1	9	Semester	A "B-" or better in 8th grade Social Studies or a "B" or better on the 8th grade assessments or teacher recommendation
H3003	Honors World History 2	9	Semester	A "B-" or better in Honors World History 1 or teacher recommendation
H3010	World History 3	10	Semester	World History 1 & 2
H3011	American Government	11	Semester	World History 1, 2, & 3
H3012	Honors World History 3	10	Semester	A "B-" or better in World History 1 & 2 or teacher recommendation
H3013	Honors American Government	10	Semester	A "B-" or better in Honors World History 1, 2, & 3 or teacher recommendation
H3020A/B	United States History	11	Full Year	World History 1, 2, & 3 and American Government
H3021A/B	AP/1818 United States History	11	Full Year	A "B-" or better in World History 3 and Government or teacher recommendation
<b>Elective Options</b>				
H3031	Psychology	11-12	Semester	None
H3032	Sociology	11-12	Semester	None
H3030	Contemporary Issues	11-12	Semester	None
H3034A/B	AP Psychology	11-12	Full Year	A "B+" average in previous Social Studies classes or a teacher recommendation
H3033A/B	AP/1818 US Government and Politics	12	Full Year	A "B+" average in previous Social Studies classes or a teacher recommendation

**GRADUATION REQUIREMENT:** All students are required to pass a minimum of **three credits** of Social Studies to graduate.

- one credit of World History 1 & 2
- one credit of World History 3 and American Government
- one credit of United States History

# SOCIAL STUDIES

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**World History 1****Grade:** 9**Course No.** H3000 (8034)**Credit:** 0.5 Social Studies**Length:** Semester**Prerequisite:** None

**Course Description:** World History 1 will encompass first civilizations through the Middle Ages. Students will gain an appreciation of the early civilizations and cultural traditions. Understanding the past will assist students in comprehending their own times.

**World History 2****Grade:** 9**Course No.** H3001 (8035)**Credit:** 0.5 Social Studies**Length:** Semester**Prerequisite:** World History 1

**Course Description:** World History 2 encompasses the early American civilizations through the era of 20th Century Imperialism. Students will appreciate the role of new ideas, the impact of science and technology, and the importance of cultural development in the modern world.

**Honors World History 1****Grade:** 9**Course No.** H3002**Credit:** 0.5 Social Studies**Length:** Semester**Prerequisite:** A "B-" or better in 8th grade Social Studies or a "B" or better on the 8th grade assessments or teacher recommendation

**Course Description:** Honors World History 1 will encompass first civilizations through the Middle Ages. Emphasis will be placed on the development of critical thinking skills. Additional outside reading, research, creative projects, free response, and document based writing are required.

**Honors World History 2****Grade:** 9**Course No.** H3003**Credit:** 0.5 Social Studies**Length:** Semester**Prerequisite:** A "B-" or better in Honors World History 1 or teacher recommendation

**Course Description:** Honors World History 2 encompasses the early American civilizations through the era of 20th Century Imperialism. Students will appreciate the role of new ideas, the impact of science and technology, and the importance of cultural development in the modern world. Emphasis is placed on the development of critical thinking skills. Additional outside reading, research, creative projects, free response, and document based writing are required.

**World History 3****Grade:** 10**Course No.** H3010 (8036)**Credit:** 0.5 Social Studies**Length:** Semester**Prerequisite:** World History 1 & World History 2

**Course Description:** World History 3 takes a thorough look at the wars of the 20th Century and the challenges of contemporary society. Students will examine the cause and effect of the World Wars, post war changes, and the challenges of global issues.

**American Government****Grade:** 10**Course No.** H3011 (8037)**Credit:** 0.5 Social Studies**Length:** Semester**Prerequisite:** World History 1, 2, & 3

**Course Description:** In American Government, students will gain a practical understanding of the principles of democracy and republicanism. Civil liberties, legal rights and responsibilities, and the working of the American judicial system are studied. This course contrasts our capitalistic economy to other economic systems and examines the theory of supply and demand. Students will also examine the framework of the State of Missouri Government, and other documents that shape the United States Government.

# SOCIAL STUDIES

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**Honors World History 3****Grade:** 10**Course No.** H3012**Credit:** 0.5 Social Studies**Length:** Semester**Prerequisite:** A "B-" or better in Honors World History 1 & 2 or teacher recommendation

**Course Description:** Honors World History 3 takes a thorough look at the wars of the 20th Century and the challenges of contemporary society. Students will examine the cause and effect of the World Wars, post war changes, and challenges of global issues. Emphasis is placed on the development of critical thinking skills. Additional outside reading, research, creative projects, free response, and document based writing are required.

**Honors American Government****Grade:** 10**Course No.** H3013**Credit:** 0.5 Social Studies**Length:** Semester**Prerequisite:** A "B-" or better in Honors World History 1, 2, & 3 or teacher recommendation

**Course Description:** In Honors American Government, students will investigate the foundations of American democracy principles, constitutional principles, economic systems, and the operation of the national, state, and local governments. The students will also examine the framework of the State of Missouri Government and other documents that shape the United States Government. Participatory citizenship will be focused on the student to develop critical thinking skills. Additional outside reading, research, creative projects, free response, and document based writing are required.

**United States History****Grade:** 11**Course No.** H3020 (8038)**Credit:** 1.0 Social Studies**Length:** Year**Prerequisite:** World History 1, 2, & 3 and American Government or a teacher recommendation

**Course Description:** U.S. History examines the major events in American history from the nation's beginnings to the present day, with in-depth coverage of the twentieth century. In studying the political, economical, social, and cultural development of the nation, students can develop an appreciation of American heritage.

**AP/1818 United States History****Grade:** 11**Course No.** H3021**Credit:** 1.0 Social Studies**Length:** Year**Prerequisite:** A "B-" or better in World History 3 & Government or teacher recommendation

**Course Description:** The course surveys American history from the Revolutionary War to the present. Students analyze and study in-depth the political, economical, social, and cultural development of the United States. Using a variety of sources, both primary and secondary, students will be challenged to identify issues, develop hypotheses, and draw conclusions based on factual evidence. Emphasis will be placed on increasing the students' critical thinking and writing skills, as well as, their appreciation of the nation's history. Six hours of college credit through Saint Louis University's 1818 program may be earned and/or students may take the Advanced Placement test in May.

**Psychology****Grade:** 11&12**Course No.** H3031**Credit:** 0.5 Social Studies**Length:** Semester**Prerequisite:** None

**Course Description:** Psychology is the study of human behavior. Topics in this survey course include: extra-sensory perception, workings of the brain, controlling aspects of the central nervous system, classical and operant conditioning, neurotic and psychotic states, counseling and therapy, drug states, hypnosis, and workings of the senses, stress and their effect on behavior. Psychology is recommended for the college-bound student.

# SOCIAL STUDIES

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<b>Sociology</b>		<b>Credit:</b> 0.5 Social Studies
<b>Grade:</b> 11&12	<b>Course No.</b> H3032	<b>Length:</b> Semester
<b>Prerequisite:</b> None		

**Course Description:** Sociology is the study of society's controlling aspects over an individual. This course surveys cultural, racial, and ethnic groups; crime deviance and social control; gender roles; marriage; family; personal self-view; nonverbal communication, and social changes. Sociology is recommended for the college-bound student.

<b>Contemporary Issues</b>		<b>Credit:</b> 0.5 Social Studies
<b>Grade:</b> 11&12	<b>Course No.</b> H3030	<b>Length:</b> Semester
<b>Prerequisite:</b> None		

**Course Description:** This course will explore current political, social, and economic developments in the United States and the world. Special emphasis will be placed on world and national crises, global-interdependence, minorities, and United States politics. Contemporary Issues is recommended for the college-bound student.

<b>AP Psychology</b>		<b>Credit:</b> 1.0 Social Studies
<b>Grade:</b> 11&12	<b>Course No.</b> H3034	<b>Length:</b> Year
<b>Prerequisite:</b> A "B+" average in previous Social Studies classes or teacher recommendation		

**Course Description:** This course is designed to introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to psychological facts, principles, and phenomena associated within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. Students are expected to take the Advanced Placement test in May. This course is strongly recommended for the college-bound student.

<b>AP/1818 US Government and Politics</b>		<b>Credit:</b> 1.0 Social Studies
<b>Grade:</b> 12	<b>Course No.</b> H3033	<b>Length:</b> Year
<b>Prerequisite:</b> A "B+" average in previous Social Studies classes or teacher recommendation		

**Course Description:** This political science course is designed to offer senior students the opportunity to take a college-level course in high school. This course will provide students with strong preparation for the AP exam and college work. The following six major topics will be covered: (1)The constitutional underpinnings of American Government, (2)political beliefs and behaviors, (3)political parties, interest groups, mass media, (4)institutions of national government, (5)public policy and (6)civil rights and civil liberties. The main focus of the course is to be able to apply an understanding of our political system to contemporary events. Three hours of college credit (second semester only) through Saint Louis University's 1818 program may be earned and/or students may take the Advanced Placement test in May.

## AP CAPSTONE COURSES

Course Number	Course Name	Grade Level	Semester or Full Year	Prerequisite
H6500A/B	AP Seminar	10-12	Full Year	None, however future interest in AP courses is encouraged
H6501A/B	AP Research	11-12	Full Year	Successful completion of AP Seminar

## AP CAPSTONE

<b>AP Seminar</b> <b>Grade:</b> 10-12 <b>Prerequisite:</b> None, however future interest in AP courses is encouraged	<b>Course No.</b> H6500	<b>Credit:</b> 1.0 Elective <b>Length:</b> Year
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**Course Description:** In this course students will develop and strengthen their analytic and inquiry skills, exploring deeply topics and issues chosen by the students and/or teacher. Students will learn to consider an issue from multiple perspectives, evaluate the strength of an argument, and make logical fact-based decisions. Students read articles, research studies, and foundational and philosophical texts; listen to and view speeches, broadcasts, and personal accounts; and experience artistic and literary works to gain a rich appreciation and understanding of issues. During the course, students will complete a team project, an individual paper and presentation, and take a written end-of-course exam.

<b>AP Research</b> <b>Grade:</b> 11-12 <b>Prerequisite:</b> Successful completion of AP Seminar	<b>Course No.</b> H6501	<b>Credit:</b> 1.0 Elective <b>Length:</b> Year
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**Course Description:** The second course of the AP Capstone experience allows students to design, plan, and conduct a yearlong research-based investigation on a topic of individual interest. Through this inquiry and investigation, students demonstrate the ability to apply scholarly understanding to real-world problems and issues. Students further the skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information to build, present, and defend an argument.

## ART COURSES

Course Number	Course Name	Grade Level	Semester or Full Year	Prerequisite
H5000	Intro to 2D Art	9-12	Semester	None
H5001	Intermediate 2D Art	9-12	Semester	Successful completion of Intro to 2D Art
H5010	Intro to 3D Art	9-12	Semester	None
H5011	Intermediate 3D Art	9-12	Semester	Successful completion of Intro to 3D Art
H5002A/B	Advanced Art 1	10-12	Full Year	A "B" or better in 2D Art and approval of the 2D Art teacher
H5005A/B	AP Studio Art	11-12	Full Year	Successful completion of one semester of a regular art course, a "B" or better in Advanced Art and teacher approval
H5012	Ceramics 1	9-12	Semester	A "B-" or better in Intro to 3D Art
H5013	Advanced Ceramics	10-12	Semester or Full Year	A "B-" or better in Ceramics 1

**GRADUATION REQUIREMENT:** All students are required to pass a minimum of **one credit** of Fine Arts to graduate.

- one credit of Fine Art (Music, Art, Drama)

## ART

### Introduction & Intermediate 2D Art

**Grade:** 9-12

**Course No.** H5000/5001

**Credit:** 0.5 Art

**Length:** Semester

**Prerequisite:** Intro is a prerequisite for Intermediate

**Course Description:** 2D Art is an introductory course in the visual arts based upon projects in 2-dimensional design and composition. Projects using a wide variety of media will provide opportunities for students to become acquainted with the materials, principles, and terminology of art. Students may or may not have special ability in art but a genuine interest and willingness to work are necessary. Students who plan to take Advanced Art should take 2-Dimensional Art in 9th grade or as soon as possible.

### Introduction & Intermediate 3D Art

**Grade:** 9-12

**Course No.** H5010/5011

**Credit:** 0.5 Art

**Length:** Semester

**Prerequisite:** Intro is a prerequisite for Intermediate

**Course Description:** This is a hands on course focusing on building and constructing 3D Art. Concepts of design in spatial relationships will be explored. 3D Art may be taken in addition to or instead of 2-Dimensional Art. Emphasis will be on creative thinking and problem solving. Students may or may not have special ability in art, but a genuine interest and willingness to work are necessary. Students who plan to take Ceramics or Advanced Art classes should take 3D Art as soon as possible.

# ART

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**Advanced Art 1****Grade:** 10-12**Course No.** H5002**Credit:** 1.0 Art**Length:** Year**Prerequisite:** A "B" or better in 2D Art AND approval of the 2D Art teacher.

**Course Description:** Concepts of design and composition are explored more deeply than in basic art. Emphasis is given to composition and drawing as a method of personal communication. The course focuses on improving techniques in painting, drawing, and print making.

**AP Studio Art****Grade:** 11&12**Course No.** H5005**Credit:** 1.0 Art**Length:** Year**Prerequisite:** Successful completion of 1 semester of a regular art course, a "B" or better in Advanced Art and teacher approval

**Course Description:** The honors level AP Studio Art is structured as a college course. Its purpose is to enable those enrolled to build a portfolio for assessment by the College Board in AP Studio Art. This course is intended for highly motivated students committed to a serious study of studio art. AP Studio Art involves a higher level of proficiency and significantly more time than other high school art courses. Performance in other studio courses will be the criterion for placement in this class. Quality of work should reflect first year college level standards. A weighted grade will be given.

**Ceramics 1****Grade:** 9-12**Course No.** H5012**Credit:** 0.5 Art**Length:** Semester**Prerequisite:** A "B-" or better in Intro to 3D Art.

**Course Description:** This ceramics course is designed for students that have taken 3D Art and have a serious interest in exploring various ceramic techniques. Students will address issues, such as, construction, glaze, function, and decoration while working with hand-building and wheel throwing techniques.

**Advanced Ceramics****Grade:** 10-12**Course No.** H5013**Credit:** 0.5 or 1.0 Art**Length:** Semester or Year**Prerequisite:** A "B-" or better in Ceramics 1.

**Course Description:** Students will utilize techniques learned in Ceramics 1 while exploring the ceramic process more deeply.

## BUSINESS COURSES

Course Number	Course Name	Grade Level	Semester or Full Year	Prerequisite
<b>Business Technology Courses</b>				
H6001	Web Page Design Technology	9-12	Semester	None
H6003	Graphic Design	9-12	Semester	None
<b>Business Courses</b>				
H6005	Personal Finance	11-12	Semester	None
H6008	Accounting	10-12	Full Year	GPA of "C" or higher or instructor approval
H6007	Business and Personal Law	10-12	Semester	None
H6011	Cooperative Occupational Education	11-12	Semester or Full Year	Must be enrolled simultaneously in a related Career & Tech Ed course. Application required
<b>High School of Business Courses</b>				
H6012	Leadership	9-10	Semester	None
H6014	Principles of Business	9-12	Semester	None
H6015	Business Economics	9-12	Semester	Successful completion of Principles of Business
H6016	Stock Market Strategies and Investing	10-12	Semester	Successful completion of Principles of Business and Business Economics
H6017	Principles of Marketing	10-12	Semester	Successful completion of Principles of Business and Business Economics
Students who complete the High School of Business coursework are eligible to test for the ASK Business Industry Recognized Certificate				
<b>Marketing Courses</b>				
H6020	Marketing 1	10-12	Semester	None
H6026	Marketing 2	10-12	Semester	Successful completion of Marketing 1
H6024	Affton Student Enterprise	11-12	Full Year	Successful completion of Marketing 1 & 2
H6025	Marketing Internship	11-12	Semester or Full Year	Must be simultaneously enrolled in any Marketing class. Application required
Students who complete Marketing curriculum are eligible to test for the ASK Marketing Recognized Industry Certificate.				

**GRADUATION REQUIREMENT:** All students are required to pass a minimum of **one credit** of Practical Arts to graduate.

- one half credit of Personal Finance
- one half credit of Practical Arts (Business, FACS, Industrial Tech)

# BUSINESS

**Web Page Design Technology****Grade:** 9-12**Course No.** H6001**Credit:** 0.5 Practical Arts**Length:** Semester**Prerequisite:** None

**Course Description:** Are you interesting in technology? Do you like to create and use your imagination? This course is intended as an introduction to creating Web pages. The objectives of this course are: to teach the fundamentals of developing Web pages using HTML5 guidelines; to show students how to create Web pages suitable for coursework, professional purposes, and personal use; to expose students to common Web page formats and functions; to promote curiosity and independent exploration of World Wide Web resources; to develop an exercise-oriented approach that allows students to learn by example; to encourage independent study and help those who are learning how to create Web pages in a distance education environment. Students enrolling in this course will also have the opportunity to participate in DECA (Association of Marketing Students) and FBLA (Future Business Leaders of America). Dual credit is available for this course for sophomores, juniors, and seniors from St. Louis Community College.

**Graphic Design****Grade:** 9-12**Course No.** H6003**Credit:** 0.5 Practical Arts**Length:** Semester**Prerequisite:** None

**Course Description:** Discover the power of Adobe Photoshop, Adobe Illustrator, and InDesign to create eye-catching graphics. This course provides students a foundation in the essentials of graphic design; acquaints them with fundamentals of multimedia; allows them to develop technical skills including the creation of original graphic images and the development of computer publications. This course prepares students for the future with course work designing images and advertisements to be used in print and on the Web. In today's technologically advanced world, graphic design skills are highly desired by employers. This course gives you the foundation skills needed for page layout, vector art design, web graphics, and much more! Students enrolling in this course will also have the opportunity to participate in DECA (Association of Marketing Students) and FBLA (Future Business Leaders of America).

**Personal Finance****Grade:** 11-12**Course No.** H6005 (6006)**Credit:** 0.5 Practical Arts**Length:** Semester**Prerequisite:** None

**Course Description:** Understanding and managing personal finances are key to one's future financial success. This one-semester course is based on the Missouri Personal Finance Competencies and presents essential knowledge and skills to make informed decisions about real world financial issues. This course is designed to introduce students to personal money management principles. Content areas include budgeting, credit, credit cards, banking, checking, taxes, insurance, and investments. Juniors and seniors with a 3.0 cumulative GPA are eligible to receive college credit through Missouri State University for an additional fee. Students will also have the opportunity to participate in DECA (Association of Marketing Students) and FBLA (Future Business Leaders of America).

**Accounting****Grade:** 10-12**Course No.** H6008**Credit:** 1.0 Practical Arts**Length:** Year**Prerequisite:** A cumulative grade point average of a "C" or above or instructor approval

**Course Description:** This course is an introduction to financial accounting. It provides preparation for entry-level careers in accounting, knowledge and skills needed for careers in related business fields, and a foundation on which to continue studying business and accounting at the postsecondary level. A study of basic transactions, general ledger accounts, books of original entry, closing and adjusting entry processes, trial balances, financial statements, accounting for assets, liabilities, sole proprietorship, equity, revenues, and expenses. Students completing accounting with an 80% or higher may be eligible for 3 hours of college credit at Missouri State. Students taking accounting will have the opportunity to participate in DECA (Association of Marketing Students) and FBLA (Future Business Leaders of America).

# BUSINESS

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**Business and Personal Law****Grade:** 10-12**Course No.** H6007**Credit:** 0.5 Practical Arts**Length:** Semester**Prerequisite:** None

**Course Description:** Do you know your rights? Do you love to debate? This course is designed to acquaint students with the basic legal principles relevant to their everyday lives as citizens, consumers, and employees through a mixture of personal and business law. Students will learn about the origins of the American legal system, rights of private property, basic elements of contracts, individual and family rights, and the procedures of both civil and criminal courtroom trials. They will also participate in an actual criminal trial, serving as either a member of the prosecution team, the defense team, or a member of the jury! Students taking business and personal law will have the opportunity to participate in DECA (Association of Marketing Students) and FBLA (Future Business Leaders of America).

**Cooperative Occupational Education****Grade:** 11&12**Course No.** H6011**Credit:** 0.5 - 2.0 Practical Arts**Length:** Semester or Year**Prerequisite:** Must be enrolled simultaneously in a related Career & Tech Ed course. Application required

**Course Description:** This program is designed to give students the opportunity to learn through supervised work experiences by integrating students' educational activities with on-the-job learning opportunities. It is designed to serve students from all disciplines who work part-time and wish to improve their skills, upgrade their positions, and begin on a career path through job-related experiences and goals as described in a written training plan. Credit is based on total hours completed in on-the-job learning during the semester. Separate application is required. Students taking cooperative occupational education will have the opportunity to participate in DECA (Association of Marketing Students) and FBLA (Future Business Leaders of America).

**Leadership (High School of Business)****Grade:** 9-10**Course No.** H6012**Credit:** 0.5 Practical Arts**Length:** Semester**Prerequisite:** None

**Course Description:** Leadership doesn't come naturally to most of us. Fortunately, we can learn leadership skills (or improve them if you're a natural). In this course you will build the leadership skills you need to excel in college and career. You will discuss contemporary leadership and team work literature, complete team-based projects, and put your leadership skills into action at school, at home, and in the community.

**Principles of Business (High School of Business)****Grade:** 9-12**Course No.** H6014**Credit:** 0.5 Practical Arts**Length:** Semester**Prerequisite:** None

**Course Description:** What do a rock group's tour, a podcast, and the MLB have in common? Business. It's everywhere. In this course you will explore the major areas of business (marketing, management, and finance) through fun, real world projects. Students will have the opportunity to participate in DECA (Association of Marketing Students) and FBLA (Future Business Leaders of America).

**Business Economics (High School of Business)****Grade:** 9-12**Course No.** H6015**Credit:** 0.5 Practical Arts**Length:** Semester**Prerequisite:** Successful completion of Principles of Business

**Course Description:** Ever thought about the choices that the Three Little Pigs made? In Business Economics, you will consider how decisions (such as work vs play or sticks vs straw) affect businesses and individuals. Students will have the opportunity to participate in DECA (Association of Marketing Students) and FBLA (Future Business Leaders of America).

# BUSINESS

## Stock Market Strategies and Investing (High School of Business)

**Grade:** 10-12

**Course No.** H6016

**Credit:** 0.5 Practical Arts

**Length:** Semester

**Prerequisite:** Successful completion of Principles of Business & Business Economics

**Course Description:** Can you imagine a company president who doesn't understand finances? Learning how companies manage their money is important in any business career. In this course, you will face issues that concern financial markets and institutions. This includes how companies get money for improvements (a new building, a Super Bowl advertisement), make money (sales of products, investments), and keep track of money (understanding financial reports, making smart and ethical decisions). An online investing project provides hands-on experience (and fun!) in this important area of business.

## Principles of Marketing (High School of Business)

**Grade:** 10-12

**Course No.** H6017

**Credit:** 0.5 Practical Arts

**Length:** Semester

**Prerequisite:** Successful completion of Principles of Business & Business Economics

**Course Description:** Why would Volkswagen choose an email campaign over a television commercial? How does Nike determine its pricing strategy? Through projects and problem solving you will get inside marketers' heads and find out what makes them tick. Projects in this course will challenge you to analyze the business world around you, work through key marketing decisions such as pricing and product image, and use your knowledge to develop a marketing strategy.

## Marketing 1

**Grade:** 10-12

**Course No.** H6020

**Credit:** 0.5 Practical Arts

**Length:** Semester

**Prerequisite:** None

**Course Description:** Students will learn how to market a product and a service. They will analyze decisions large and small companies make in the marketplace, as well as advertising, social media, sales, product packaging, branding, and more. In this course you will have the opportunity to be involved in DECA (Association of Marketing students) and FBLA (Future Business Leaders of America). These organizations provide opportunities for leadership, professional development, community service, as well as fun social events and activities. Students may also be eligible for three hours of college credit from Missouri State University through dual credit.

## Marketing 2

**Grade:** 10-12

**Course No.** H6026

**Credit:** 0.5 Practical Arts

**Length:** Semester

**Prerequisite:** Successful completion of Marketing 1

**Course Description:** Students will expand their understanding of marketing concepts as it relates to advertising, sports and entertainment marketing, and fashion marketing. Trends in all industries will be explored along with understanding key marketing elements of each. Knowledgeable guest speakers, relevant videos, historical examples, current media, and projects will be used to gain understanding about these topics. Students in Marketing 2 will have the opportunity to participate in DECA (Association of Marketing Students) and FBLA (Future Business Leaders of America).

## Afton Student Enterprise (formerly Advanced Marketing)

**Grade:** 11&12

**Course No.** H6024

**Credit:** 1.0 Practical Arts

**Length:** Year

**Prerequisite:** Successful completion of Marketing 1 & 2

**Course Description:** Want to learn how to run your own business? Students will organize, develop, and implement their own business from startup to liquidation. They will learn about entrepreneurship and what it takes to succeed in the business community. They will discover the importance of communication and effective management, how to write an effective business plan, market and sell a product or service, and choose strategies to make a profit. Students will be responsible for planning the Dodgeball Tournament, the Valentine's Day Rose sale and various other events throughout the year. Students will also participate in the "Afton Apprentice" and have the opportunity to win a \$500 scholarship. Students taking advanced marketing will have the opportunity to participate in DECA (Association of Marketing Students) and FBLA (Future Business Leaders of America).

# BUSINESS

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**Marketing Internship****Credit:** 1.0-2.0 Practical Arts**Grade:** 11&12**Course No.** H6025**Length:** Year**Prerequisite:** Must be simultaneously enrolled in any Marketing class and complete application

**Course Description:** This course provides students with an opportunity to apply marketing concepts, skills, and attitudes in the workplace. It will provide students with a competitive edge as they acquire practical knowledge and skills useful in college and their chosen career field. Students must be enrolled in Intro to Marketing, Sports and Entertainment Marketing, Fashion Marketing, Advertising, or Advanced Marketing/Starting a Business simultaneously and work a minimum of 10 hours per week. Students must be in attendance at least 5 of the 7 periods of the school day and attend the appropriate marketing class in order to attend work and have their work hours count. Students may be released up to two class periods per day depending on the number of credit hours for which the student is enrolled. Students who are terminated or removed from their place of employment will receive an "F" for the internship and be placed into a regular school schedule. Students may earn up to 2 units of credit for their marketing internship. Students taking marketing internship will have the opportunity to participate in DECA (Association of Marketing Students) and FBLA (Future Business Leaders of America).

## FAMILY AND CONSUMER SCIENCE COURSES

Course Number	Course Name	Grade Level	Semester or Full Year	Prerequisite
<b>Culinary Arts</b>				
H6100	Nutrition and Wellness 1	9-12	Semester	None
H6109	International Foods	9-12	Semester	None, Nutrition and Wellness recommended
<b>Early Childhood Development and Services</b>				
H6102	Child Development & Care 1	10-12	Semester	None
H6103	Child Development & Care 2	10-12	Semester	A "C" or better in Child Development 1
<b>Apparel Textiles and Interior Design</b>				
H6107	Fashion and Interior Design Fundamentals	9-12	Semester	None
H6108	Advanced Interior Design	10-12	Semester	Fashion and Interior Design Fundamentals

**GRADUATION REQUIREMENT:** All students are required to pass a minimum of **one credit** of Practical Arts to graduate.

- one half credit of Personal Finance
- one half credit of Practical Arts (Business, FACS, Industrial Tech)

## FAMILY AND CONSUMER SCIENCE

<b>Nutrition and Wellness</b>	<b>Credit:</b> 0.5 Practical Arts
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Course No.</b> H6100	
<b>Prerequisite:</b> None	

**Course Description:** Nutrition and Wellness 1 is a focused concentration on the nutrients needed to promote healthy growth and maintenance of the human body. Units of study include: identifying nutrient groups, their function, and food sources; measurement skills; food preparation terms; kitchen management and safety; and the development of food preparation skills for quick breads, baked goods, dairy products, and protein-based foods. Reading food labels, shopping for and selecting recipe ingredients, and correct use of utensils and equipment to prepare food are practiced. Professional requirements of various careers and opportunities in food preparation and service are identified. All students enrolled in this course are eligible to become a member of the national, state, and local FCCLA organizations.

<b>International Foods</b>	<b>Credit:</b> 0.5 Practical Arts
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Course No.</b> H6109	
<b>Prerequisite:</b> None, Nutrition and Wellness recommended	

**Course Description:** In this course students will study the classical cooking skills associated with the preparation and service of international and ethnic cuisines. Students will become familiar with all types of ethnic foods. They will prepare and sample foods from different cultures and serve foreign meals according to each country's customs.

# FAMILY AND CONSUMER SCIENCE

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**Child Development and Care 1****Grade:** 9-12**Course No.** H6102**Credit:** 0.5 Practical Arts**Length:** Semester**Prerequisite:** None

**Course Description:** Human Development and Child Care 1 is a course designated by state and local guidelines to acquaint the student with knowledge of the areas of human development and the responsibilities of planning for the primary or substitute care of young children. The dynamics of parent-child bonding, guiding development, social, emotional, financial, and intellectual experiences and considerations, and lifestyle changes are examined. A study of male and female reproductive anatomy and its relationship to pregnancy is explored. Units of study include: conception, prenatal development and care, fetal growth and development, birth defects, types of childbirth, labor and delivery, and teen pregnancy and parenting issues. Supplies for individual projects are the responsibility of the student. All students enrolled in this course are eligible to become a member of the national, state, and local FCCLA organizations.

**Child Development and Child 2****Grade:** 9-12**Course No.** H6103**Credit:** 0.5 Practical Arts**Length:** Semester**Prerequisite:** A "C" or better in Child Development 1

**Course Description:** Child Development 2 focuses on developmental principles and characteristics of the young child, ages one through five. Students will analyze different types of substitute care and will study child care laws, safety, and health issues. Units of study will include: immunizations, principles of guidance and discipline, sequential developmental patterns, speech and language development, play and toys, nutrition, and developmental theories based upon well-known theorists and test developers in the area of child development. Students will develop activities which address the developmental and individual needs of infants, toddlers, and preschool age children. (Cost of individual supplies is the responsibility of the student.) Students will observe preschool age children in a formal setting. Students earning an 80% or better in this class and Human Development 1 may earn articulated college credit through St. Louis Community College. All students enrolled in this course are eligible to become a member of the national, state, and local FCCLA organizations. Career Pathway options for Child Development: Education (Teaching); Child Care; Medicine (Pediatrician); Developer of Children's toys and games; Children's Literature and illustrations; Fashion Designer for children's apparel. **The Child Development Courses will be advantageous to any student planning a career in Education (teaching).**

**Fashion and Interior Design Fundamentals****Grade:** 9-12**Course No.** H6107**Credit:** 0.5 Practical Arts**Length:** Semester**Prerequisite:** None

**Course Description:** This course is designed for students interested in a career in fashion apparel, textiles, or interior design. You will obtain a foundation in knowledge needed for more advanced studies. This course will include: basics of physical, psychological, social and cultural reasons for how we dress and where we live, the elements and principles of design, textiles, fabric construction and selection for apparel and home use, introductory sewing skills that are applied in a variety of samples and apparel or home goods projects. Students will be introduced to Family Career and Community Leaders of America (FCCLA). Students must purchase their own supplies for projects.

**Advanced Interior Design****Grade:** 9-12**Course No.** H6108**Credit:** 0.5 Practical Arts**Length:** Semester**Prerequisite:** Fashion and Interior Design Fundamentals

**Course Description:** In this course students will develop a more advanced knowledge and application of interior design skills. Projects explored include: housing/furniture styles, design and architecture, hand drawn floor plans, computer-aided design (CAD), remodeling, and career related occupations. Students will be introduced to Family Career and Community Leaders of America (FCCLA). Students must purchase their own supplies for projects.

## MODERN LANGUAGE COURSES

Course Number	Course Name	Grade Level	Semester or Full Year	Prerequisite
<b>French Courses</b>				
H7001A/B	French 1	8-12	Full Year	None
H7002A/B	French 2	9-12	Full Year	Successful completion of French 1
H7003A/B	Honors French 2	9-12	Full Year	A "B" average in French 1 & instructor approval
H7004A/B	Honors French 3	10-12	Full Year	A "B" average in French 2/Honors French 2 & instructor approval
H7005A/B	Honors French 4	11-12	Full Year	A "B" average in Honors French 3 & instructor approval
H7006A/B	French 5	12	Full Year	A "B" average in Honors French 4 & instructor approval
<b>Spanish Courses</b>				
H7011A/B	Spanish 1	8-12	Full Year	None
H7012A/B	Spanish 2	9-12	Full Year	Successful completion of Spanish 1
H7013A/B	Honors Spanish 2	9-12	Full Year	A "B" average in Spanish 1 & instructor approval
H7014A/B	Honors Spanish 3	10-12	Full Year	A "B" average in Spanish 2/Honors Spanish 2 & instructor approval
H7015A/B	Honors Spanish 4	11-12	Full Year	A "B" average in Honors Spanish 3 & instructor approval
H7016A/B	Spanish 5	12	Full Year	A "B" average in Honors Spanish 4 & instructor approval

### GRADUATION REQUIREMENT:

- Modern Language is not required for high school graduation, however **two years** of the same language are recommended for those planning to attend a 4 year college or university.

## FRENCH

<b>French I</b>		<b>Credit:</b> 1.0 Elective
<b>Grade:</b> 8-12	<b>Course No.</b> H7001	<b>Length:</b> Year
<b>Prerequisite:</b> None		

**Course Description:** French I is an introductory course in language learning. Students learn to develop skills in reading, writing, listening, and speaking French. Basic vocabulary and grammar rules are introduced. Students study cultural aspects of the Francophone world and learn language acquisition in a living context.

# FRENCH

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<b>French II</b>		<b>Credit:</b> 1.0 Elective
<b>Grade:</b> 9-12	<b>Course No.</b> H7002	<b>Length:</b> Year
<b>Prerequisite:</b> French 1		

**Course Description:** French II builds upon the curriculum introduced in French I. Students demonstrate an understanding of French culture in the world and acquire a perspective about other cultures that is available through language learning. Students study daily life in the Francophone world through compositions and reading passages.

<b>Honors French II</b>		<b>Credit:</b> 1.0 Elective
<b>Grade:</b> 9-12	<b>Course No.</b> H7003	<b>Length:</b> Year
<b>Prerequisite:</b> A "B" average in French 1 and instructor approval		

**Course Description:** Honors French II develops and enhances the skills learned in Level I. Several advanced verb tenses are introduced with accompanying vocabulary. Emphasis is placed on the student's ability to express themselves in several tenses. The curriculum moves at a lively and intensive pace. This course is recommended if further study in French is desired.

<b>Honors French III</b>		<b>Credit:</b> 1.0 Elective
<b>Grade:</b> 10-12	<b>Course No.</b> H7004	<b>Length:</b> Year
<b>Prerequisite:</b> A "B" average in Honors French 2/French 2 and instructor approval		

**Course Description:** Honors French III is designed to prepare students to build and reinforce effective communication in French. Students complete the basic study of grammar, verbs, and vocabulary. Through compositions and oral presentations, students learn to master literary terms and syntax while strengthening reading, writing, listening, and speaking skills. Second semester students may earn 3 hours of college credit through the 1818 Advanced College Credit program at Saint Louis University. The Saint Louis University class is French 1010 - Communicating in French I.

<b>Honors French IV</b>		<b>Credit:</b> 1.0 Elective
<b>Grade:</b> 11-12	<b>Course No.</b> H7005	<b>Length:</b> Year
<b>Prerequisite:</b> A "B" average in Honors French III and instructor approval		

**Course Description:** Honors French IV continues the goal of oral and written proficiency. Students will continue to expand skills in the context of culture and civilization. Students study and analyze authentic literature with frequent oral presentations and compositions that prepare students to express themselves in French with accuracy and confidence. Students realize the personal enjoyment and enrichment that language learning offers. Honors French IV may be taken for 6 hours of college credit through the 1818 Advanced College Credit program at Saint Louis University. The first semester class is French 1020 - Communicating in French II (3 credit hours). The second semester class is French 2010 - Intermediate French Language and Culture (3 credit hours).

<b>French V</b>		<b>Credit:</b> College Credit Only
<b>Grade:</b> 12	<b>Course No.</b> H7006	<b>Length:</b> Year
<b>Prerequisite:</b> A "B" average in Honors French IV and instructor approval		

**Course Description:** Students enroll at St. Louis Community College - Meramec Campus for French 201. Students commute to Meramec for this class. Students must provide their own transportation and pay the fee directly to St. Louis Community College - Meramec (4 credit hours - \$100 per credit hour). The course description for French 201 - Intermediate French 1 is from the Meramec course catalog: A continuation of French 102. Emphasis is on becoming proficient in using the language so that students can function in a Francophone culture. Primary concentration is on developing speaking and listening skills. Testing is both oral and written. Prerequisites: French 102 or 3 or more years of high school French and reading proficiency.

# SPANISH

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<b>Spanish 1</b>		<b>Credit:</b> 1.0 Elective
<b>Grade:</b> 8-12	<b>Course No.</b> H7011	<b>Length:</b> Year
<b>Prerequisite:</b> None		

**Course Description:** Students are introduced to the four basic skills: listening, speaking, reading, and writing. The goal is to focus on the most frequent, real, everyday Spanish vocabulary. All of this is taught through immersion-based storytelling and comprehensible input.

<b>Spanish 2</b>		<b>Credit:</b> 1.0 Elective
<b>Grade:</b> 9-12	<b>Course No.</b> H7012	<b>Length:</b> Year
<b>Prerequisite:</b> Successful completion of Spanish 1		

**Course Description:** Students continue to develop the four basic skills: listening, speaking, reading, and writing. The goal is to focus on the most frequent, real, everyday Spanish vocabulary and expand grammatical structures. All of this is taught through immersion-based storytelling and comprehensible input. It is highly recommended and extremely important that the student continues from level 1 to level 2 in consecutive years.

<b>Honors Spanish 2</b>		<b>Credit:</b> 1.0 Elective
<b>Grade:</b> 9-12	<b>Course No.</b> H7013	<b>Length:</b> Year
<b>Prerequisite:</b> A "B" average in Spanish 1 and instructor approval		

**Course Description:** Students continue to develop the four basic skills: listening, speaking, reading, and writing. The goal is to focus on the most frequent, real, everyday Spanish vocabulary and expand grammatical structures. All of this is taught through immersion-based storytelling and comprehensible input. It is highly recommended and extremely important that the student continues from level 1 to honors level 2 in consecutive years. This course is faster paced and goes more in depth than regular Spanish 2 in order to prepare students for Honors Spanish 3.

<b>Honors Spanish 3</b>		<b>Credit:</b> 1.0 Elective
<b>Grade:</b> 10-12	<b>Course No.</b> H7014	<b>Length:</b> Year
<b>Prerequisite:</b> A "B" average in Honors Spanish 2/Spanish 2 and instructor approval		

**Course Description:** Students further develop the four basic skills: listening, speaking, reading, and writing through more complex structures. All of this is taught through immersion-based storytelling and comprehensible input. It is highly recommended and extremely important that the student continues from honors level 2 to honors level 3 in consecutive years. Second semester this course may be taken for three (3) hours of college credit through the 1818 program at Saint Louis University. The Saint Louis University class is Spanish 1010 - Communicating in Spanish 1.

<b>Honors Spanish 4</b>		<b>Credit:</b> 1.0 Elective
<b>Grade:</b> 11-12	<b>Course No.</b> H7015	<b>Length:</b> Year
<b>Prerequisite:</b> A "B" average in Honors Spanish 3 and instructor approval		

**Course Description:** Students sharpen the four basic skills: listening, speaking, reading, and writing through a variety of complex structures. All of this is taught through immersion with comprehensible input. It is highly recommended and extremely important that the student continues from honors level 3 to honors level 4 in consecutive years. This course may be taken for six (6) hours of college credit through the 1818 program at Saint Louis University. The first semester class is Spanish 1020 - Communicating in Spanish II (3 credit hours). The second semester class is Spanish 2010 - Intermediate Spanish: Language and Culture (3 credit hours).

# SPANISH

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**Spanish 5**

**Grade:** 12

**Course No.** H7016

**Credit:** College Credit Only

**Length:** Year

**Prerequisite:** A "B" average in Honors Spanish 4 and instructor approval

**Course Description:** Students enroll at St. Louis Community College - Meramec Campus for Spanish 201. Students commute to Meramec for this class. Students must provide their own transportation and pay the fee directly to St. Louis Community College - Meramec. The following course description is from the Meramec Course Catalog: SPA 201 - Intermediate Spanish 1 - 4 Credit Hours. In this continuation of SPA 102, students review and build grammar and vocabulary to enhance comprehension and communication. A variety of literary and cultural selections are presented to reinforce the student's understanding of global/intercultural themes. Prerequisites: SPA 102 or 3 or more years of high school Spanish and reading proficiency.

## MUSIC COURSES

Course Number	Course Name	Grade Level	Semester or Full Year	Prerequisite
H5100A/B	Band	9-12	Full Year	A minimum of one year of prior band instruction or instructor approval
H5101A/B	Orchestra	9-12	Full Year	Instructor approval/audition
H5111A/B	Chorale	9-12	Full Year	None
H5110A/B	Treble Choir	9-12	Full Year	None
H5112	Survey of Music	9-12	Semester	None
H5113	Music Theory	9-12	Semester	None

**GRADUATION REQUIREMENT:** All students are required to pass a minimum of **one credit** of Fine Arts to graduate.

- one credit of Fine Art (Music, Art, Drama)

## MUSIC

<b>Band</b>	<b>Credit:</b> 1.0 Fine Art
<b>Grade:</b> 9-12	<b>Length:</b> Year
<b>Course No.</b> H5100	
<b>Prerequisite:</b> A minimum of one year of prior band instruction or instructor approval	

**Course Description:** Band is open to all students who play an appropriate wind or percussion instrument. While previous instruction is acceptable, it may not be necessary. The course of study for band includes concert, pep, and marching band. Because band is a performing group (programs, adjudicated festivals, football and basketball pep band, community and special events), students enrolled are required to participate in all group performances. Participation in required performances is a portion of the student's grade. Other groups within the band include drum line (meets outside of regular class) and solo/ensembles.

<b>Orchestra</b>	<b>Credit:</b> 1.0 Fine Art
<b>Grade:</b> 9-12	<b>Length:</b> Year
<b>Course No.</b> H5101	
<b>Prerequisite:</b> Instructor approval/audition	

**Course Description:** The orchestra is open to students who can play an appropriate stringed instrument (violin, viola, cello, and string bass). Proficiency should be at least at an intermediate level. The course of study will include varied types and styles of music, ranging from the Baroque masters through contemporary pop music. Both string orchestra and full orchestra repertoire will be studied. Students enrolled are required to participate in all group performances, with a portion of their grade being based on performance participation.

<b>Chorale</b>	<b>Credit:</b> 1.0 Fine Art
<b>Grade:</b> 9-12	<b>Length:</b> Year
<b>Course No.</b> H5111	
<b>Prerequisite:</b> None	

**Course Description:** Chorale is open to students who are interested in singing in a choir consisting of sopranos, altos, tenors, and basses. The course curriculum includes developing vocal skills, reading and notating music, singing a varied repertoire of music, and understanding music in relation to history and culture. Students will perform at concerts and special events. **Performances are required.** Eleventh and twelfth grade choir members may audition for All-District Choir and All-State Women's Treble Choir. Ninth and tenth grade members will be selected to participate in the All-Suburban Honor Choir. Any senior choral members of four years can take choir for a weighted honors credit.

# MUSIC

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<b>Treble Choir</b>		<b>Credit:</b> 1.0 Fine Art
<b>Grade:</b> 9-12	<b>Course No.</b> H5110	<b>Length:</b> Year
<b>Prerequisite:</b> None		

**Course Description:** Treble Choir is open to students who are interested in singing in a women's ensemble consisting of sopranos, mezzo sopranos, and altos. The course curriculum includes developing vocal skills, reading and notating music, singing a varied repertoire of music, and understanding music in relation to history and culture. Students will perform at concerts and special events. **Performances are required.** Eleventh and twelfth grade choir members may audition for All-District Choir and All-State Women's Treble Choir. Ninth and tenth grade members will be selected to participate in the All-Suburban Honor Choir. Any senior choral members of four years can take choir for a weighted honors credit.

<b>Survey of Music</b>		<b>Credit:</b> 0.5 Fine Art
<b>Grade:</b> 9-12	<b>Course No.</b> H5112	<b>Length:</b> Semester
<b>Prerequisite:</b> None		

**Course Description:** Survey of Music provides an opportunity for students to study numerous aspects of music. The areas of study include: basic fundamentals of music notation and reading, composers and their music, various facets of the music business and music careers, and basic instruction on guitar and keyboard. Survey of Music is a non-public performance course with grades based on written and playing test scores and class participation.

<b>Intro to Music Theory</b>		<b>Credit:</b> 0.5 Fine Art
<b>Grade:</b> 9-12	<b>Course No.</b> H5113	<b>Length:</b> Semester
<b>Prerequisite:</b> None		

**Course Description:** Through the use of computer software, textbooks, and practical application, Introduction to Music Theory will allow students to study the fundamental structure of musical composition. These fundamental structures include, but are not limited to, traditional chord structure, modern compositional techniques, melodic development, score analysis, and transposition. This course is open to all Band, Choir, and Orchestra students. If a student is not enrolled in one of these courses they must demonstrate a working knowledge of music reading.

## Honors Band/Orchestra/Choir Guidelines

The following criteria must be met by students of band, orchestra, and choir in order to receive honors credit:

1. Must be a senior and a member of their respective ensemble for four years.
2. Must attend all required performances and special rehearsals for their respective ensemble.
3. Must complete the audition process for district honors ensembles (Fall Semester).
4. Must participate in St. Louis Suburban District Solo ensemble Festival and receive at least a "B" or "II" rating (Spring Semester)
5. Must participate in a minimum of one extra performing group comprised of members from full ensemble, if applicable (i.e. Pep Band, Pit Orchestra, Drum Line, special occasion performances, musical chorus/leading role, & other at discretion of the director.)
6. Must display the attitude, conduct, and participation becoming of an Affton ensemble member.
7. Must comply with all guidelines and policies established for their respective ensemble.

## PHYSICAL EDUCATION COURSES

Course Number	Course Name	Grade Level	Semester or Full Year	Prerequisite
<b>Required Courses</b>				
4000	Health	9-12	Semester	None
H4011, 2	PE	9-12	Semester	None
<b>Elective Courses</b>				
H4010	Elective Team Sports	10-12	Semester	Successful completion of 2 semesters of PE or teacher recommendation
H4012	Weight Training	10-12	Semester	Successful completion of 2 semesters of PE or teacher recommendation
H4014	Pre-Season Sports Training	10-12	Semester	Must play a sport and have a recommendation from coach or PE teacher

**GRADUATION REQUIREMENT:** All students are required to pass a minimum of **one credit** of Physical Education to graduate.

- Two semesters of PE

**GRADUATION REQUIREMENT:** All students are required to pass a minimum of **one half credit** of Health to graduate.

## PHYSICAL EDUCATION

<b>Health</b>		<b>Credit:</b> 0.5 Health
<b>Grade:</b> 9-12	<b>Course No.</b> H4000	<b>Length:</b> Semester
<b>Prerequisite:</b> None		

**Course Description:** This **required** course will emphasize decision making skills and life lessons which are necessary in one's personal health behavior. Students will examine health issues and topics, such as, wellness, mental health, stress, relationships, disease prevention, substance abuse and prevention, safety and first aid, nutrition, and community and environmental health.

<b>Physical Education</b>		<b>Credit:</b> 0.5 PE
<b>Grade:</b> 9-12	<b>Course No.</b> H4001/2	<b>Length:</b> Semester
<b>Prerequisite:</b> None		

**Course Description:** The main focus of this **required** course is introducing various game concepts in several sports and individual activities. Units that may be included are flag football, volleyball, lacrosse, fitness, weight training, soccer, floor hockey, swimming, basketball, softball/baseball, team handball, badminton, pickle ball, and ultimate Frisbee. Students will be expected to complete written work, skills testing, and participate in class activities. **Students are required to take two semesters of Physical Education. Students are required to bring a change of clothes and shoes for class.**

# PHYSICAL EDUCATION

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**Elective Team Sports****Grade:** 10-12**Course No.** H4010**Credit:** 0.5 PE**Length:** Semester**Prerequisite:** Successful completion of two semesters of Physical Education or teacher recommendation

**Course Description:** The main focus of this course is team sports and individual activities. Units that may be included are flag football, volleyball, lacrosse, fitness, weight training, soccer, floor hockey, water unit, basketball, softball, team handball, badminton, pickle ball, and ultimate Frisbee. Ongoing assessment includes both written and performance-based skill evaluations. This is a co-educational class setting. **Students are required to bring a change of clothes and shoes for class. Self-motivation is important to this course.**

**Weight Training****Grade:** 10-12**Course No.** H4012**Credit:** 0.5 PE**Length:** Semester**Prerequisite:** Successful completion of two semesters of Physical Education or teacher recommendation

**Course Description:** This is a co-educational class setting. This course will instruct safety procedures in the weight room, as well as, proper warm-up and cool-down methods. Students will learn the fundamentals of weight lifting and follow a workout plan. Students are required to keep a notebook with exercises and chart progress. Ongoing assessment includes both written and performance-based skill evaluations. This is a co-educational class setting. **Students are required to bring a change of clothes and shoes for class. Self-motivation is important to this course.**

**Pre-Season Sports Training****Grade:** 10-12**Course No.** H4014**Credit:** 0.5 PE**Length:** Semester**Prerequisite:** Must play a sport and have a recommendation from your coach or PE teacher

**Course Description:** This is a co-educational course that offers a variety of sport-specific training in both weight training and plyometrics. This is designed to be a high intensity class to prepare athletes for the upcoming or current athletic season. **You must have played a sport specific to a certain season to be eligible for this class.**

## PROJECT LEAD THE WAY (PLTW) COURSES

Course Number	Course Name	Grade Level	Semester or Full Year	Prerequisite
<b>Biomedical Courses</b>				
H6320A/B	Principles of the Biomedical Sciences (PBS)	9-10	Full Year	None
H6321A/B	Human Body Systems (HBS)	10-11	Full Year	Successful completion of PBS and teacher recommendation
H6322A/B	Medical Interventions (MI)	11-12	Full Year	Successful completion of PBS & HBS or teacher recommendation
H6323A/B	Biomedical Innovations (BI)	12	Full Year	Successful completion of PBS, HBS, & MI or teacher recommendation
<b>Engineering Courses</b>				
H6301A/B	Introduction to Engineering (IED)	9-10	Full Year	None
H6302A/B	Principles of Engineering (POE)	10-11	Full Year	Successful completion of Algebra 1 & IED or teacher recommendation
H6303A/B	Civil Engineering & Architecture (CEA)	11-12	Full Year	IED & POE or teacher recommendation
H6304A/B	Aerospace Engineering (AE)	11-12	Full Year	IED & POE or teacher recommendation
H6311A/B	Engineering Design and Development (EDD)	12	Full Year	Successful completion of two PLTW Engineering courses or teacher recommendation
<b>Computer Science Courses</b>				
H6330A/B	Computer Science Essentials	9-12	Full Year	None
H6331A/B	AP Computer Science Principles	9-12	Full Year	None, successful completion of Computer Sci Essentials or App Creator (in middle school) recommended
H6332A/B	AP Computer Science A	9-12	Full Year	None, successful completion of AP Computer Sci Principles recommended

# BIOMEDICAL SCIENCES

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**PLTW Principles of the Biomedical Sciences (PBS)****Grade:** 9-10**Course No.** H6320**Credit:** 1.0 Practical Arts**Length:** Year**Prerequisite:** None

**Course Description:** Students examine multiple health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, and research processes. This course provides an overview of all the courses in the Biomedical Sciences program. During this overview the student will get a first-hand look at many professions in the biomedical field.

**PLTW Human Body Systems (HBS)****Grade:** 10-11**Course No.** H6321**Credit:** 1.0 Practical Arts**Length:** Year**Prerequisite:** Successful completion of PBS or teacher recommendation

**Course Description:** Students investigate the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases, and often play the roles of biomedical professionals to solve medical mysteries.

**PLTW Medical Interventions (MI)****Grade:** 11-12**Course No.** H6322**Credit:** 1.0 Practical Arts**Length:** Year**Prerequisite:** Successful completion of PBS & HBS or teacher recommendation

**Course Description:** Students become involved in the prevention, diagnosis, and treatment of disease as they follow the lives of a fictitious family. A "How-To" manual for maintaining overall health and homeostasis in the body, the course will explore how to prevent and fight infection, how to screen and evaluate the code in our DNA, how to prevent, diagnose, and treat cancer, and how to prevail when the organs of the body begin to fail. Through these scenarios, students will be exposed to the wide range of interventions related to Immunology, Surgery, Genetics, Pharmacology, Medical Devices, and Diagnostics. Each family case scenario will introduce multiple types of interventions and will reinforce concepts learned in the previous two courses. These interventions will be showcased across the generations of the family and will provide a look at the past, present, and future of biomedical science. Lifestyle choices and preventive measures are emphasized throughout the course as well as the important role scientific thinking and engineering design play in the development of interventions of the future.

**PLTW Biomedical Innovations (BI)****Grade:** 12**Course No.** H6323**Credit:** 1.0 Practical Arts**Length:** Year**Prerequisite:** Successful completion of PBS, HBS, & MI or teacher recommendation

**Course Description:** In this capstone course, students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. They have the opportunity to work on an independent project and many work with a mentor or advisor from a university, hospital, physician's office, or industry. Throughout the course, students are expected to present their work to an adult audience that may include representatives from the local business and healthcare community. College credit is available.

# ENGINEERING

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**PLTW Introduction to Engineering (IED)****Grade:** 9-10**Course No.** H6301**Credit:** 1.0 Practical Arts**Length:** Year**Prerequisite:** None

**Course Description:** This course is a foundation course in the Engineering Academy that teaches students problem-solving skills using the design and production process. Hands-on labs and Inventor design software are used as learning tools for students to design and produce projects related to industry. Students should take this as the first course in the sequence of courses offered in the Engineering Academy program.

**PLTW Principles of Engineering****Grade:** 10-11**Course No.** H6302**Credit:** 1.0 Practical Arts**Length:** Year**Prerequisite:** Successful completion of Algebra 1 and IED or teacher recommendation

**Course Description:** This course is a foundation course in the Engineering Academy that helps students understand the field of engineering by exploring various technology systems and manufacturing processes. Students learn how engineers use math, science, and technology in the engineering problem solving process. Hands-on labs and Inventor software are used as learning tools. This is the second course in the sequence of courses offered in the Engineering Academy program. College credit is available.

**PLTW Civil Engineering & Architecture (CEA)****Grade:** 11-12**Course No.** H6303**Credit:** 1.0 Practical Arts**Length:** Year**Prerequisite:** IED & POE or teacher recommendation

**Course Description:** This course involves completion of long-term projects which involve the development of property sites. Students have freedom to develop the property as they apply aspects of civil and architectural engineering to the project. Using 3D design software, students work in teams exploring hands-on activities to learn the characteristics of civil engineering and architecture. Also, students learn about documenting their project, solving problems, and communicating solutions to both peers and members of the professional civil engineering and architecture community. **(Offered based on student interest)**

**PLTW Aerospace Engineering (AE)****Grade:** 11-12**Course No.** H6304**Credit:** 1.0 Practical Arts**Length:** Year**Prerequisite:** IED & POE or teacher recommendation

**Course Description:** This course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles. College credit is available. **(Offered based on student interest)**

**PLTW Engineering Design & Development (EDD)****Grade:** 12**Course No.** H6310**Credit:** 1.0 Practical Arts**Length:** Year**Prerequisite:** Successful completion of two PLTW Engineering courses or teacher recommendation

**Course Description:** This is the capstone course in the PLTW high school engineering program. It is an engineering research course in which students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology. Students will perform research to choose, validate, and justify a technical problem. After carefully defining the problem, teams of students will design, build, and test their solution. Finally, student teams will present and defend their original solution to an outside panel. While progressing through the engineering design process, students will work closely with experts and will continually hone their organizational, communication and interpersonal skills, their creative and problem solving abilities, and their understanding of the design process. College credit is available.

# COMPUTER SCIENCE

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**PLTW Computer Science Essentials****Grade:** 9-12**Course No.** H6330**Credit:** 1.0 Practical Arts**Length:** Year**Prerequisite:** None

**Course Description:** Computer Science Essentials is an introductory course. You will use visual, block-based programming and seamlessly transition to text-based programming with languages such as Python® to create apps and develop websites, and learn how to make computers work together to put their design into practice. You will be exposed to a diverse set of computational thinking concepts, fundamentals, and tools, allowing you to gain understanding and build confidence. You will apply computational thinking practices, build your computer vocabulary, and collaborate just as computing professionals do to create products that address topics and problems.

**PLTW AP Computer Science Principles****Grade:** 9-12**Course No.** H6331**Credit:** 1.0 Practical Arts**Length:** Year**Prerequisite:** None, successful completion of Computer Science Essentials or App Creator (in middle school) recommended

**Course Description:** Computer Science Principles helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation. Using Python as the primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. This course is recognized by the College Board as AP Computer Science Principles.

**PLTW AP Computer Science A****Grade:** 9-12**Course No.** H6332**Credit:** 1.0 Practical Arts**Length:** Year**Prerequisite:** None, successful completion of AP Computer Science Principles recommended

**Course Description:** Computer Science A focuses on further developing computational thinking skills through the medium of Android™ App development for mobile platforms. The course utilizes industry-standard tools such as Android Studio, Java™ programming language, XML, and device emulators. You will collaborate to create original solutions to problems of your own choosing by designing and implementing user interfaces and Web-based databases. This course aligns with the College Board AP Computer Science A course. Dual Credit is available through St. Louis Community College. Successful completion of AP Computer Science Principles is recommended.

## SPEECH AND DRAMA COURSES

Course Number	Course Name	Grade Level	Semester or Full Year	Prerequisite
H5200	Creative Communication Arts	9-12	Semester	None
H5201	Dramatic Arts	9-12	Semester	None
H5202	Drama 2	9-12	Semester	Successful completion of Dramatic Arts
H5203	Creative Film, Video, Media Arts	10-12	Semester	None
H5204	Honors Advanced Creative Film, Video, Media Arts	10-12	Semester	A "B" or better in Creative Film, Video, Media Arts
H5210A/B	Television Production 1	11-12	Semester	An "A" or better in Creative Film and teacher approval or Advanced Creative Film
H5211A/B	Television Production 2	12	Semester	A "B" or better in Creative Film and TV Production 1 and teacher approval
H5220	Theatre Arts	11-12	Semester or Full Year	None
H5221	Honors Advanced Theatre Arts	12	Semester or Full Year	Successful completion of Theatre Arts and instructor approval

**GRADUATION REQUIREMENT:** All students are required to pass a minimum of **one credit** of Fine Arts to graduate.

- one credit of Fine Art (Music, Art, Drama)

## SPEECH AND DRAMA

<b>Creative Communication Arts</b> <b>Grade:</b> 9-12 <b>Prerequisite:</b> None	<b>Course No.</b> H5200	<b>Credit:</b> 0.5 Fine Art/Speech <b>Length:</b> Semester
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**Course Description:** In this course students will learn basic speaking skills linked with creative thinking through performance and observing speeches. Students will be able to demonstrate beginning organizational skills for a speech using supportive materials, a comprehensive outline, and visual aids. Students will also learn how to listen and speak effectively in a variety of situations.

<b>Dramatic Arts</b> <b>Grade:</b> 9-12 <b>Prerequisite:</b> None	<b>Course No.</b> H5201	<b>Credit:</b> 0.5 Fine Art/Speech <b>Length:</b> Semester
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**Course Description:** This is an introductory course in theatre. Students will develop skills in concentration, movement, voice, characterization, improvisation, and the basic principles of dramatic structure through pantomime, duet acting, directing, and a one act performance.

# SPEECH AND DRAMA

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<b>Drama 2</b>		<b>Credit:</b> 0.5 Fine Art/Speech
<b>Grade:</b> 9-12	<b>Course No.</b> H5202	<b>Length:</b> Semester
<b>Prerequisite:</b> Successful completion of Dramatic Arts		

**Course Description:** Using the skills learned in Dramatic Arts, students will be able to analyze the history of theatre. Students will expand their work in movement, characterization, stylization, writing, directing, and acting through characterization, play analysis, class projects, and scene work.

<b>Creative Film, Video, Media Arts</b>		<b>Credit:</b> 0.5 Fine Art/Speech
<b>Grade:</b> 10-12	<b>Course No.</b> H5203	<b>Length:</b> Semester
<b>Prerequisite:</b> None		

**Course Description:** Students will learn the basics of camera operation and techniques, writing original and adapted scripts, film criticism, and giving presentations incorporating media. Students will plan, create, film, and critique two major full length projects.

<b>Honors Advanced Creative Film, Video, Media Arts</b>		<b>Credit:</b> 0.5 Fine Art
<b>Grade:</b> 10-12	<b>Course No.</b> H5204	<b>Length:</b> Semester
<b>Prerequisite:</b> A "B" or better in Creative Film, Video, Media Arts		

**Course Description:** This is an honors course which builds on the knowledge and skills of creative film production learned in Creative Film. Students continue their mastery of the pre-production and production processes and learn post-production skills. Students extend their skills with a variety of technological tools including non-linear editing equipment. Students demonstrate their knowledge of film styles and film theory, writing professional scripts, and plan and create professional quality film products.

<b>Television Production 1</b>		<b>Credit:</b> 1.0 Fine Art
<b>Grade:</b> 11-12	<b>Course No.</b> H5210	<b>Length:</b> Year
<b>Prerequisite:</b> An "A" in Creative Film and teacher approval, or Advanced Creative Film		

**Course Description:** This is a hands-on course that will produce a weekly television program with all aspects of production housed at school and produced by the students. In this class, students will learn the basics of television production. Students will experiment with various areas of television productions.

<b>Television Production 2</b>		<b>Credit:</b> 1.0 Fine Art
<b>Grade:</b> 12	<b>Course No.</b> H5211	<b>Length:</b> Year
<b>Prerequisite:</b> A "B" or better in Creative Film, Advanced Creative Film, and TV Production 1 or teacher approval		

**Course Description:** This is an advanced class for television production in which the student will assume the management position of the station and do all advanced work and editing for the station. Students will earn practical hands-on experience in television production.

# SPEECH AND DRAMA

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**Theatre Arts****Grade:** 11-12**Course No.** H5220**Credit:** 0.5 or 1.0 Fine Art/Speech**Length:** Semester or Year**Prerequisite:** None

**Course Description:** This course is designed to involve students in the creative process and offer opportunity for play production. Students enrolled will be the company working on all phases of the theatre program. Participation in a theatrical production in a position of major responsibility will be required. Classroom and practical laboratory experience in areas of production will be taught. The course will also include the selection of a play, tryouts, rehearsal schedules, directing, and technical production: makeup, costumes, publicity, props, student directing, choreography, and other areas as interest is shown. As rehearsals proceed, students will work with the phase they are dealing with directly. They will work in two technical areas in the fall and spring. Students may enroll in two semesters of theatre arts. A student may enroll in the fall semester and work on the fall production which the student directs and produces, followed by a second project which is the choice of the class. A student may enroll in the spring semester which produces the spring musical. This course satisfies the graduation requirement for speech/drama.

Special Requirements:

1. Junior or Senior
2. All students admitted to class with the recommendation of the teacher
3. Attendance two nights a week, Tuesday and Thursday, 6:30-8:30. For additional time spent on this course students can receive extra credit for Thespian points
4. A genuine interest in the dramatic arts

**Honors Advanced Theatre Arts****Grade:** 12**Course No.** H5221**Credit:** 0.5 or 1.0 Fine Art**Length:** Semester or Year**Prerequisite:** Successful completion of Theatre Arts and teacher approval

**Course Description:** This course is designed for students who wish to pursue their interest in the technical aspects of the theatre at a more sophisticated level. The class will meet concurrently with Theatre Arts, but the student will be engaged in more complex activities, such as directing, designing, and producing with full responsibility for that job. Students will be expected to teach skills directly to their crews and develop a plan and objectives. Advanced Theatre Arts is considered an Honors course both semesters of a student's senior year for those students who have taken Theatre Arts for four semesters. Students may enroll in the SLU 1818 program and receive additional college credit for Honors Advanced Theatre Arts.

## STL CAPS

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<b>Course Number</b>	<b>Course Name</b>	<b>Grade Level</b>	<b>Semester or Full Year</b>	<b>Prerequisite</b>
H6400	Global Business & Entrepreneurship	11-12	Full Year	None, however, completion of at least 0.5 credits of any business or marketing course recommended. Application required
H6401	Engineering & Advanced Manufacturing	11-12	Full Year	None, however, previous participation in PLTW Engineering courses recommended. Application required
H6402	Medicine, Healthcare & Bioscience	11-12	Full Year	None, however, participation in PLTW Biomedical courses recommended. Application required
H6403	Technology Solutions	11-12	Full Year	None, however, previous participation in a computer science course recommended.

STL CAPS provides junior and senior students the opportunity to fast-forward beyond college to test-drive their future in high-skill, high-demand professions.

All courses meet outside of the traditional high school classroom environment on a daily basis for approximately three-hours during the school day.

Students learn directly from business partners by completing projects in professional workplaces such as medical centers, small business co-working facilities, and on the campus of higher education institutions.

The projects students complete come directly from industry professionals and will require them to demonstrate professional skills such as time management, teamwork, effective communication, problem solving, work ethic, and creativity. Students will interact with business professionals on a frequent basis by visiting a variety of workplaces around the St. Louis area.

The business partners and workplaces are aligned to the student's career interests and the course curriculum. Students also have the opportunity to complete internships and job shadows with business partners while earning high school and college credit.

Numerous colleges in Missouri and across the country endorse CAPS as an excellent college preparation option.

## STL CAPS

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**St. Louis CAPS Global Business & Entrepreneurship****Grade:** 11-12**Course No.** H6400**Credit:** 3.0 Practical Art**Length:** Year

**Prerequisite:** None, however, completion of at least 0.5 credits of any business or marketing course is recommended. Application required.

**Course Description:** Are you interested in starting your own business or nonprofit? Would you like to launch your own passion project? Does learning directly from business professionals and visiting some of the most innovative companies in St. Louis sound fun? Do you need unique and one-of-a-kind experiences for your college applications? If so, this could be the option that sparks your creative spirit. This course provides an entrepreneurial approach to education that is designed to give high school students hands-on, real world experience in global business and entrepreneurship. Students are fully immersed in a profession-based learning approach. Students are able to gain experience working with real businesses, assisting and learning through meaningful projects, and working in a variety of fields, including Human Relations, Entrepreneurship, Global Business, Sales, Promotion, Event Planning, Fashion Marketing, Sports and Entertainment Marketing, Finance, Agriculture, Hotel Lodging, and Restaurant Management, just to name a few. In addition to being a part of real businesses, students are also paired with mentors out in the field - individuals who are working each day in these professions. In addition to important profession-based learning skills the students acquire, they also gain 21st century skills such as problem solving, time and project management skills, business ethics, and self-discipline.

**St. Louis CAPS Engineering & Advanced Manufacturing****Grade:** 11-12**Course No.** H6401**Credit:** 3.0 Practical Art**Length:** Year

**Prerequisite:** None, however, participation in PLTW Engineering courses recommended. Application required.

**Course Description:** Are you interested in experiencing first-hand what a career in engineering is like? Would you like to tour some of the leading engineering and advanced manufacturing facilities in St. Louis? Are you ready to truly understand how math and science are applied to real-world projects? Do you need unique and one-of-a-kind experiences for your college applications? If so, this is the course for you. The course is designed for students who are interested in engineering and manufacturing fundamentals, entrepreneurship, and innovation. Students will be immersed with engineers and manufacturers using state-of-the-art tools and software to create and test 3D prototypes solving complex problems. Students will apply lean manufacturing processes that create value for customers and drive out the waste in production. Students experience hands-on, active learning with full immersion in real-world projects sponsored by business partners. Students work in multidisciplinary teams to provide innovative solutions to a company's real-world problems. Engineering projects are tailored to student interest in the fields of chemical, electrical, mechanical, civil, software/computer, architecture, advanced manufacturing, robotics, biological, and environmental. Students have the opportunity to complete the PLTW capstone course requirements as part of the CAPS experience. Students will have the opportunity to complete job shadows, internships, and receive college credit.

## STL CAPS

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**St. Louis CAPS Medicine, Healthcare & Bioscience****Credit:** 3.0 Practical Art**Grade:** 11-12**Course No.** H6402**Length:** Year**Prerequisite:** None, however, participation in PLTW Biomedical courses recommended. Application required.

**Course Description:** Would you like the opportunity to shadow medical professionals? Are you interested in conducting labs in research and higher education facilities? Do you think observing medical procedures sounds like fun? Do you need unique and one-of-a-kind experiences to make your college application stand out? If so, the St. Louis CAPS Medicine, Healthcare and Bioscience course provides access to real world experiences in the dynamic field of health care. Alongside some of the region's most experienced medical professionals, students will advance their understanding of human physiology, disease process, medical terminology, patient care, professionalism, ethics, and explore many career opportunities. Students will expand upon principles of human physiology through in-depth case studies of body systems, develop fluency in basic medical language, formulate treatment plans for patients, practice physical assessment skills, and perform patient care and life-saving procedures within a high-fidelity simulation lab. These activities are designed to enhance student analysis and problem solving skills. Students self-select a CAPStone project for the semester that involves connecting with mentors in their area of interest to develop a project that is real, relevant, and of service to the community. Representing a wide spectrum of health care careers, expert guest speakers provide advanced instruction in the medical specialties of anesthesia, cardiology, dermatology, obstetrics, oncology, orthopedics, nephrology, internal medicine, family practice, general surgery, and much more. Students learn directly from medical professionals while participating in site visits to a variety of health care facilities that expose students to medical professions, medical research, and innovative advancements. Students have the opportunity to complete the PLTW capstone course requirements as part of the CAPS experience. Students will also have the opportunity to complete an internship with a business and industry partner. College credit is available.

**St. Louis CAPS Technology Solutions & Logistics****Credit:** 3.0 Practical Art**Grade:** 11-12**Course No.** H6403**Length:** Year**Prerequisite:** None, however, previous participation in a computer science course recommended. Application required.

**Course Description:** Do you want to learn the most relevant skills needed in the field of technology solutions? Would you like to visit innovative technology companies and learn directly from business partners? Are you interested in working on projects for real clients? The Technology Solutions and Logistics course is ideal for students who are interested in developing the professional and technical skills required to forge forward in exploring all areas of technology and creative design. Immerse yourself in a professional environment while you tackle and solve real-world problems using a vast array of technology and design skills. Students interested in technology will perform real world projects for clients utilizing the expertise of diverse guest instructors, mentors, and business partners. Strong emphasis is placed on software engineering skills such as programming methodology and problem solving using multiple languages, algorithm design and development, data abstraction and well documented programming, testing, and debugging. Students interested in design will create a wide array of digital assets in a profession-based learning environment, which provides opportunities to collaborate with mentors and business clients. Students will network with mentors and business partners delivering real products to their clients as well as creating a professional portfolio that illustrates their creative talent. Students will also have the opportunity to complete job shadows and an internship with a business and industry partner.

## TECHNICAL EDUCATION COURSES

Course Number	Course Name	Grade Level	Semester or Full Year	Prerequisite
H6203	Intro to Trades Technology	9-12	Semester	None
H6200	Intro to Wood Technology	9-12	Semester	None
H6201	Advanced Wood Technology	10-12	Semester	Successful completion of Intro to Wood Technology

**GRADUATION REQUIREMENT:** All students are required to pass a minimum of **one credit** of Practical Arts to graduate.

- one half credit of Personal Finance
- one half credit of Practical Arts (Business, FACS, Industrial Tech)

## TECHNICAL EDUCATION

<b>Introduction to Trades Technology</b>	<b>Credit:</b> 0.5 Practical Art
<b>Grade:</b> 9-12 <b>Course No.</b> H6203	<b>Length:</b> Semester
<b>Prerequisite:</b> None	

**Course Description:** Interested in developing your general employment skills while also trying out a variety of trades? This course is designed to expose students to various trades areas where there is a projected shortages of skilled workers. This course will explore the trades areas of floor laying, masonry, welding, carpentry, electrical, plumbing, small engine mechanics, precision machinery, and HVAC (heating, ventilation, and air conditioning). This is a hands-on lab class whereby students will get a chance to gain an understanding and feeling for each of the trades. This class will help you decide on which trade you may want to pursue as a career or will give you the knowledge needed to be a homeowner. This course is recommended for students who are interested in owning a home or working in a trades area.

<b>Introduction to Wood Technology</b>	<b>Credit:</b> 0.5 Practical Art
<b>Grade:</b> 9-12 <b>Course No.</b> H6200	<b>Length:</b> Semester
<b>Prerequisite:</b> None	

**Course Description:** This course provides information about wood and the production of wood products through the safe use of hand and power tools that are commonly found in industry. The course will offer the student as opportunity to construct projects that may be taken home upon completion.

<b>Advanced Wood Technology</b>	<b>Credit:</b> 0.5 Practical Art
<b>Grade:</b> 10-12 <b>Course No.</b> H6201	<b>Length:</b> Semester
<b>Prerequisite:</b> Successful completion of Intro to Wood Technology	

**Course Description:** This course provides a place for a student who has shown skills and abilities in wood production technology to enhance and advance those skills and abilities to a broader and higher level. The course will involve making fine furniture and complex projects. Project materials will be supplied up to \$25 per project.

## ELECTIVE COURSES

Course Number	Course Name	Grade Level	Semester or Full Year	Prerequisite
H7200	ACT Prep Class	11-12	Semester	Successful completion of or concurrent enrollment in Algebra 2
H7100	Yearbook Practicum 1	10-12	Full Year	Instructor approval
H7102/3	Yearbook Practicum 2 & 3	11-12	Full Year	Yearbook Practicum 1 and teacher approval
H7201	Cadet Teaching	11-12	Semester or Full Year	Application required

## ELECTIVES

<b>ACT Prep Class</b>	<b>Credit:</b> 0.5 Elective
<b>Grade:</b> 11&12	<b>Length:</b> Semester
<b>Course No.</b> H7200	
<b>Prerequisite:</b> Successful completion of or concurrent enrollment in Algebra 2	

**Course Description:** The purpose of this course is to help students improve their ACT scores. We will focus on both test-taking strategies and reinforcement of content. Most weeks will be devoted to addressing an important topic from each of the four ACT test areas (English, Mathematics, Reading, and Science) followed by a cumulative assessment. Students will take several full-length ACTs from previous years as a way to document their progress in improving their ACT scores.

<b>Yearbook Practicum 1</b>	<b>Credit:</b> 1.0 Elective
<b>Grade:</b> 10-12	<b>Length:</b> Semester
<b>Course No.</b> H7100	
<b>Prerequisite:</b> Instructor approval	

**Course Description:** The curriculum in this course is structured to develop in students the real life skills necessary to produce the Affton High School Yearbook. Students will be required to participate in all aspects of the production and to contribute to the publication, including book composition and advertising sales. Students will also learn, as a member of a staff, to accept responsibility for deadlines, to polish their writing skills in journalistic style, and to layout and design copy for mass publication using Adobe InDesign. Students may be required to participate in activities outside of class time to complete assignments.

<b>Yearbook Practicum 2 &amp; 3</b>	<b>Credit:</b> 1.0 Elective
<b>Grade:</b> 11-12	<b>Length:</b> Semester
<b>Course No.</b> H7101/2	
<b>Prerequisite:</b> Yearbook Practicum 1 and teacher approval	

**Course Description:** Students enrolled in these courses will serve as the editorial leaders of the Affton High School Yearbook. They will assist in supervising the business aspects of the publication, as well as, the writing and design of the publication using Adobe InDesign. Students may be required to participate in activities outside of class time to complete assignments.

## ELECTIVES

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<b>Cadet Teaching</b>		<b>Credit:</b> none
<b>Grade:</b> 11-12	<b>Course No.</b> H7201	<b>Length:</b> Semester/Year
<b>Prerequisite:</b> Application required		

**Course Description:** Cadet teachers participate in a variety of activities which acquaint them with the teaching process. In addition to helping the teacher with such activities as preparation of materials and arranging bulletin boards, the cadet will also assist with instructional activities like working as a tutor with students individually or in small groups. Since cadet teaching is a participation course, good attendance is a requirement.

## ESOL COURSES

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Course Number	Course Name	Grade Level	Semester or Full Year	Prerequisite
H7211	ESOL	9-12	Full Year	ESOL teacher recommendation

## ESOL

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<b>English Speakers of Other Languages (ESOL)</b>		<b>Credit:</b> 1.0 Elective
<b>Grade:</b> 9-12	<b>Course No.</b> H7211	<b>Length:</b> Year
<b>Prerequisite:</b> ESOL teacher recommendation		

**Course Description:** This course is an elective course that is designed to help support ESOL students in all of their academic success. This is a multi level course that provides resources for students in the areas of testing and meeting objectives of mainstream courses. In this class students learn various skills such as: studying, organization, note-taking, and test taking strategies.

## SPECIAL EDUCATION COURSES

Course Number	Course Name	Grade Level	Semester or Full Year	Prerequisite
H8002	English Essentials	9-12	Year	Recommendation of IEP Team
H1005	Algebra Essentials	9-12	Year	Recommendation of IEP Team
H8042/3	Corrective Reading Lab I & II	9-12	Year	Recommendation of IEP Team
H8044	Reading Lab III	9-12	Year	Recommendation of IEP Team
H8045/ H8020	Food/Science Skills	9-12	Year	Recommendation of IEP Team
H8040	Learning Strategies	9-12	Year	Recommendation of IEP Team
H8041	Life Choices	9-12	Year	Recommendation of IEP Team
H8050-51	COOP	9-12	Year	Recommendation of IEP Team
H8048	CBVI	9-12	Year	Recommendation of IEP Team

## SPECIAL EDUCATION

<b>English Essentials</b>	<b>Credit:</b> 1.0 English
<b>Grade:</b> 9-12	<b>Length:</b> Year
<b>Course No.</b> H8002	
<b>Prerequisite:</b> Recommendation of IEP Team	

**Course Description:** This course is designed to develop students' basic skills in Communication Arts, using a variety of methods. Emphasis will be on reading strategies and writing. Students will analyze and respond to various forms of literature, including fiction, short stories, poetry, and nonfiction articles. The Missouri EOC for English II will be administered upon mastery of this class.

<b>Algebra Essentials</b>	<b>Credit:</b> 1.0 Math
<b>Grade:</b> 9-12	<b>Length:</b> Year
<b>Course No.</b> H1005	
<b>Prerequisite:</b> Recommendation of IEP Team	

**Course Description:** This course introduces basic Algebra concepts and is constructed to meet each student's needs according to their mathematical level of ability. It is designed to help students overcome weaknesses in the area of mathematics. It emphasizes the concepts necessary to prepare students to be successful in Algebra 1. It introduces the student to the use of inverse operations to solve simple equations. Students will also explore equations, probability, geometry, graphing on the coordinate plane, percent, proportions, and multiple step equations.

<b>Corrective Reading Lab I &amp; II</b>	<b>Credit:</b> 1.0 Elective
<b>Grade:</b> 9-12	<b>Length:</b> Year
<b>Course No.</b> H8042/3	
<b>Prerequisite:</b> Recommendation of IEP Team	

**Course Description:** Students are introduced to new words and word types, phonemic relationships, long and short vowel sounds, new sound combinations, and new word endings. They apply learned skills by reading stories of increasing length and complexity and then answer comprehension questions both orally and in writing. They will practice fluency skills on a daily basis and keep record of their performance on a graph. Their improved performance will provide the students with evidence of their ability to retain and apply decoding skills they have been taught.

## SPECIAL EDUCATION COURSES

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**Reading Lab III****Grade:** 9-12**Course No.** H8044**Credit:** 1.0 Elective**Length:** Year**Prerequisite:** Recommendation of IEP Team

**Course Description:** Students will learn a variety of reading comprehension and vocabulary strategies to help support their comprehension in content courses. The students will read a variety of fiction and nonfiction texts and be given time to read text of their own choosing. Students will participate in literature circles, group projects, direct instruction, and independent work. Students will be able to make inferences, predictions, connections, visualize, summarize, and use questioning strategies to increase their comprehension of the material being read. Students will be given assessments each term to provide students with evidence of their growth in the area of comprehension.

**Food/Science Skills****Grade:** 9-12**Course No.** H8045/8020**Credit:** 1.0 Elective/Science**Length:** Year**Prerequisite:** Recommendation of IEP Team

**Course Description:** This course curriculum instruction is designed to meet the needs of those students whose post-graduate goal is employment and independent living. The course is designed to teach skills which allow each student to succeed in real-life situations by gaining as much independence as possible when it relates to their body, nutrition, and their health. Topics covered in this class are body systems and their functions, diseases related to nutrition, nutrition and wellness, prepping simple independent well balanced meals, reading labels, reading recipes, and demonstrating complete independence at a local grocery store.

**Learning Strategies****Grade:** 9-12**Course No.** H8040**Credit:** 1.0 Elective**Length:** Year**Prerequisite:** Recommendation of IEP Team

**Course Description:** This course helps students develop language and communication skills. It covers strategies for comprehension, vocabulary, study skills, self advocacy, and test taking.

**Life Choices****Grade:** 9-12**Course No.** H8041**Credit:** 1.0 Elective**Length:** Year**Prerequisite:** Recommendation of IEP Team

**Course Description:** Life Choices is a program designed to focus on social emotional self awareness, self advocating strategies, and anger and stress management skills while in a supportive environment. Students will learn successful coping and behavioral strategies to better control and manage their behaviors inside the classroom and in the community. Life Choices also focuses on building positive relationships with the goal that students will be better able to communicate their needs in an appropriate manner and interact appropriately with peers and adults.

**Cooperative Work Experience (COOP)****Grade:** 9-12**Course No.** H8050/8051**Credit:** 0.5-2.0 Elective**Length:** Semester/Year**Prerequisite:** Recommendation of IEP Team

**Course Description:** This program is available for qualifying high school students with disabilities whose IEP indicates the need for work experience in a competitive setting and who are also eligible as clients of the Division of Vocational Rehabilitation. Program goals include the acquisition of general skills related to performing work under supervision, as well as, job-related skills. COOP is a school-sponsored program in collaboration with the Division of Vocational Rehabilitation (DVR) designed for an individual student to gain paid employment as part of the school course of study. Students with IEPs who are certified eligible by DVR may qualify for this program facilitated by an IEP team decision to participate.

## SPECIAL EDUCATION COURSES

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**Community Based Vocational Instruction (CBVI)****Grade:** 9-12**Course No.** H8048**Credit:** 3.0 Elective**Length:** Year**Prerequisite:** Recommendation of IEP Team

**Course Description:** Community Based Vocational Instruction (CBVI) is an IEP team decision and an approved program available for high school students in need of work experience in a competitive setting. CBVI is a vocational program specifically designed for students with disabilities during their last two years of school and before, if appropriate. The goal of the training program is to expand the vocational training opportunities beyond traditional school buildings, to community-based sites where students can learn appropriate work behaviors and specific work skills in a naturally occurring environment. Students gain valuable work skills while working along with the employee at each community site. Students are evaluated and supervised by the SSD teacher and/or paraprofessional, are transported by the school district to the worksite during school hours, and understand that they will not receive wages while participating in this training program.

**Life Skills Program****Grade:** 9-12**Course No.** H8046**Credit:** 1.0 Elective**Length:** Year**Prerequisite:** Recommendation of IEP Team

**Course Description:** The Life Skills program includes courses offered to high school aged students who need more support with curriculum and social aspects, and whose post graduate goal is supported employment or independent living. The program is designed to offer hands on experiences to real world, life related experiences and to guide them into skills or behaviors that will help them become successful in everyday life. The program offers courses related to Math Skills, English Skills, Community Based Vocational Instruction, History Skills, Food Skills, and Science Skills.

## **Majors Available at South Tech**

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### **Auto Body**

This major focuses on the repair and appearance of the interior and exterior of vehicles. Students learn how to access, estimate, and repair using modern welding, sanding, masking, and painting techniques and the same advanced equipment found in professional auto collision repair companies.

### **Automotive Technology**

This major is driven by the 4 main systems of vehicle operation: brakes, suspension and steering, engine performance, and electrical/electronics. Students will diagnose, service, and repair a wide range of vehicles alongside their ASE certified Master Technician instructor. The classroom includes modern diagnostic equipment which students operate as they work toward multiple ASE certifications.

### **Carpentry**

This major helps students build a skill set including framing, estimating, roofing, and interior finishing. Students learn how to read and interpret blueprints and build structures using a wide range of professional power tools and carpentry materials.

### **Cisco Networking Academy**

The Cisco Networking Academy is an honors course in which students learn to design, install, and troubleshoot complex computer networks. Students will navigate a variety of projects as they complete Cisco's online curriculum in preparation for their certification exams.

### **Construction Innovations**

This major allows students to customize a year or semester of construction exploration to match their interests. A wide variety of quarter long courses give students a solid foundation of basic knowledge and experience. Students can continue into an Advanced Construction course in their second year and choose from: Carpentry, Electrical Trades, General Construction, Floor Layers Middle Apprenticeship, or Heating, Ventilation, & Air Conditioning.

### **Construction Trades**

This major provides students with general skills in carpentry, masonry, plumbing, electricity, and heating and cooling. Projects allow students to take complete construction projects from blueprints to completion.

### **Cosmetology**

This major offers the same curriculum as a beauty college including all hair, nail, and skincare services. Students learn in a full-service salon along with classroom instruction from licensed Cosmetologists. Missouri State Board Licensure is available upon completion of the course.

### **Culinary Arts**

This major is taught in a modern, fully equipped, restaurant style kitchen. Students plan, prepare, and cater meals alongside professional chefs in both the classroom and at various competitions throughout the year.

### **Dental Sciences**

This major gives students a clinical experience in the classroom and through senior internships. Our modern operatory allows students to conduct mock exams and perform X-rays, preventative practices, and emergency care using the professional dental equipment.

## **Majors Available at South Tech**

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### **Design & Entrepreneurship**

Inventors will thrive in this product development course designed to support creation and innovation. Bring your ideas to fruition with support from local St. Louis professionals and your fellow South Tech students. Learn how to protect, promote, pitch, and produce the products or services you are inspired to think up while in this course.

### **Early Childhood Education**

This major turns the student into the teacher in our community, certified pre-schools. Students create, research, and implement lesson plans while learning effective preschool teaching techniques. Upon graduation, students will have a portfolio of work to present to colleges and/or employers.

### **Electrical Trades**

This major teaches students how to design, stage, and install commercial and residential electrical wiring for power and telecommunications systems. Skills include blueprint interpretation, layout design, and programming equipment while emphasizing logical thinking.

### **Electronics & Robotics Engineering**

This major focuses on exploring the complex electrical, electronic, mechanical, and robotic components used in manufacturing and industry. Students design and program robots annually for the FIRST Robotics Competition using modern equipment and techniques.

### **Emergency Medical Technician**

This major brings students into real world emergency scenarios. Students are trained to perform detailed trauma patient assessments using advanced medical and diagnostic equipment, including ambulances.

### **Firefighting**

This major is an academy level course which allows students to do the bulk of their required Fire Academy hours at the high school level. Using a wide range of firefighting and life-saving equipment, students develop their skills through rigorous mental and physical training.

### **Floor Layers Middle Apprenticeship**

This apprenticeship allows students to begin their post-secondary training while in high school. While learning to install hardwood, vinyl, carpet, and ceramic flooring, students earn apprenticeship credit that can also lead to an associates degree shortly after high school graduation. Paid summer internships with licensed contractors also available.

### **Graphic Design**

This major channels students' passion for art into advertising and marketing projects using the full Adobe Suite of design software. Through advanced tutorials combined with a study of fonts, color theory, sketching and drawing, students produce a professional portfolio of their work to share with prospective colleges and employers.

### **Health Sciences**

This major immerses students into healthcare through lab and patient care experiences, high level academic coursework in anatomy and physiology, and clinical rotations at area hospitals and assisted living facilities.

## **Majors Available at South Tech**

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### **Health Sciences Academy**

This program provides an intense exploration of the medical field for college bound students. Through shadowing opportunities, guest lecturers, medical terminology study, and anatomy and physiology curriculum, students learn about a wide variety of patient care professionals and leave our program with a solid understanding of those careers and how to pursue them.

### **Heating, Ventilation, & Air Conditioning (HVAC)**

This major teaches students to design, install, repair, and maintain residential and commercial refrigeration, heating, and air conditioning systems. Students will learn blueprint reading, electrical schematics, and operational sequence charts as they progress toward certification.

### **Law Enforcement**

This major takes students through a two year introduction to the Police Academy through an array of training exercises, crime scenarios, self-defense and fitness training. Students will learn conflict mediation and resolution, investigation techniques, and be trained in the use of advanced security related training equipment, including vehicles.

### **Lab and Pharmacy Sciences**

Students use the same advanced equipment as industry professionals as they perform testing and research drug treatments and interactions. Internships are available for students in the senior year.

### **Precision Machining**

This major teaches students to invent, design, and manufacture tools and components for a wide range of production needs. Using advanced computer controlled technology, 3D printing, and traditional machining skills, students develop projects designed with MasterCAM software and computer added design (CAD).

### **Veterinary Assistant**

This major explores the science of veterinary medicine including animal care and training, clinical procedures, medical terminology, grooming, and disease prevention. Students interact daily with a wide variety of animals fostered in our facilities, providing their medical care, while learning from certified professionals.

### **Web & Computer Programming**

This major teaches students how to write and edit source code and applets using several programming languages including HTML and Java. Students will design, create, and maintain software, databases, and web pages while earning certifications.

### **Welding**

This major trains students to design, engineer, build, and troubleshoot complex metal fabrication challenges. Through high-level training, competitions, and work ethic, students perfect modern welding processes while earning certifications.