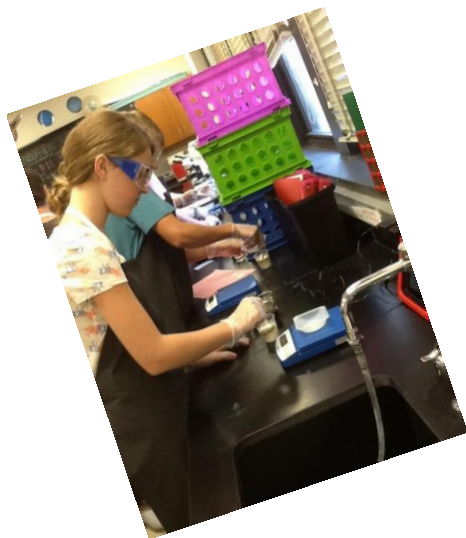


Jefferson City Public School District



Relevance,
Rigor &
Relationships



GUIDE FOR CAREER PLANNING 2018-2019

Mission:
It's T.I.M.E.!

The JCHS community seeks to **T**each, **I**nspire,
Motivate, and **E**mpower students to be
responsible members within a global society.

Jefferson City High School
609 Union Street
Jefferson City, Missouri 65101
Phone: (573) 659-3050
Fax: (573) 659-3153

Counseling Department

Carrie Welch, Counseling Director
Brandy Martin, Counselor
Diane Clayton, Counselor
Jamie Kennedy, Counselor
Kurt Hafley, Counselor
Lauren Winemiller, Counselor
Teshura Rogers, Counselor

Nichols Career Center

605 Union Street
Jefferson City, Missouri 65101
Phone: (573) 659-3100
Fax: (573) 659-3154

Counseling Department

Travis Plume, Counselor

Simonsen 9th grade center
501 East Miller Street
Jefferson City, Missouri 65101
Phone: (573) 659-3125
Fax: (573) 659-7362

Counseling Department

Jaime Marshall, Lead Counselor
Tim Ritter, Counselor
Jessica Schaefer, Counselor

Jefferson City Public Schools

315 East Dunklin
Jefferson City, Missouri 65101
Phone: (573) 659-3000
Fax: (573) 659-3044



Jefferson City Public Schools

NOTICES

FEDERAL FAMILY EDUCATION RIGHTS AND PRIVACY ACT OF 1974

The Jefferson City School District does not discriminate on the basis of race, color, national origin, gender, age, or disability. This policy pertains to admission/access to, or treatment/employment in its programs and activities. Any person having inquiries concerning compliance with the regulations implementing Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, and section 504 of the Rehabilitation Act of 1973, is directed to contact the building principal or Mr. Jason Hoffman, Chief Financial Officer, 315 East Dunklin Street, Jefferson City, Missouri 65101, telephone (573) 659-3000.

What's Your Plan?

Welcome to Jefferson City High School!!

The pages in this booklet will be a “stepping stone” for you as you enter high school and begin your path towards your future! We will be here to assist you every step of the way, so do not let this seem like an overwhelming “leap” into adulthood!!

The *Programs of Study* will be your “roadmap” to assist you in your navigation through the maze of decision making. Your school counselor will work with you to discuss and revise your “map” each year as you and your parent(s) make decisions regarding your *Academic Course Plan*. It is our desire to assist you in linking what you learn in high school with the skills that are needed to be successful with your post -secondary goals.

There are many opportunities for success while in high school. We encourage you to take advantage of all the opportunities that each academy will offer such as internships, Project Lead the Way, Academy Endorsements, and AP and Dual Enrollment coursework. All of these opportunities and more will be included in this planning guide.

The secret to success in high school is as follows:

- Get involved!
- Attend Regularly!
- Have a plan! (This is your Academic Course Plan)

Best Wishes for a Wonderful Time in High School!!!



Jefferson City Public Schools

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TELEPHONE NUMBERS

Simonsen 9th Grade Center	659-3125	JCHS Main Office	659-3050
Simonsen Attendance	659-3248	JCHS Attendance Office	659-3060
Simonsen Counseling Office	659-3130	JCHS Activities Director	659-3047
Simonsen Nurse	659-3242	JCHS Counseling Office	659-3070
Simonsen Cafeteria	659-3132	JCHS Nurse	659-3086
		JCHS Cafeteria	659-3074
Nichols Career Center	659-3100		

5 X 5 Block

Students attend 5 classes a day. 4 classes that meet for approximately 84-minutes and one period that meets daily for 45 minutes. A typical yearlong course is completed in an 18-week semester. Students receive a full credit for each course successfully completed one semester in length. Students will have the opportunity to earn 8.5 credits per year for JCHS and 9.0 credits per year at Simonsen Ninth Grade Center. Credit will be awarded as follows:

9 week course.....	0.5 credits
18 week course.....	1.0 credits
27 week course.....	1.5 credits
36 week course.....	2.0 credits

MINIMUM HIGH SCHOOL GRADUATION REQUIREMENTS

29 credits are required to graduate from Jefferson City High School, of those 29, 16.5 are required in specific areas. The 12.5 remaining credits can come from the prescribed subject areas and/or from foreign language and career and technical courses.

State of Missouri Graduation Requirements

4 units of English	1 unit of Fine Arts
3 units of Math	1 unit of Practical Art
3 units of Social Studies	.5 units of Health
3 units of Science	.5 Personal Finance (can be .5 units of Practical Art)
1 unit of PE	

*All students must pass the MO and US Constitution tests to graduate. These are taken in Citizenship and Government.

*All students must pass CPR instruction to graduate.

*All students must take their required EOC exams. (Alg I, Eng II, Bio, and Govt)

*All students must take one standardized test. (i.e. – ACT, SAT, ACT Work Keys or ASVAB).

EARLY GRADUATION

Students who wish to graduate early must have successfully completed a minimum of six (6) semesters at the secondary level and will be required to meet with a guidance counselor and submit written notification to the principal. The student’s counselor will notify the student's parents or guardians of the student's decision if the student is a dependent. The student will receive a diploma if the student has met the Jefferson City School District's graduation requirements. Any exception to the minimum six (6) semester completion requirement for early graduation must be granted by the Board of Education. The student who chooses early graduation will be allowed to participate in the spring graduation ceremonies but will be considered an alumni for all other activities.

PROGRESSION TO THE NEXT GRADE LEVEL

Class	Prior to beginning of year	At Mid Year
Credits necessary to be a sophomore	6	10
Credits necessary to be a junior	13	17
Credits necessary to be a senior	21	21 and a plan to graduate (4 th year students)
Credits necessary to Graduate	29	

ACADEMIC ACHIEVEMENT CERTIFICATES

The Presidential Academic Fitness Award, initiated by President Ronald Reagan, is given to seniors who have met the following criteria:

1. Grade point average of 3.5 on a 4.0 scale at the end of seven semesters.
2. Score at or above the 85th percentile or higher in mathematics or reading on the ACT.

The George Washington Carver Award recognizes graduating seniors who rank in the top 10 percent of their class.

JEFFERSON CITY COLLEGE PREPATORY CERTIFICATE REQUIREMENTS

Credits	Subject	Required Courses
4	English	
4	Math	Algebra 1 through Math Analysis/Trig or higher
4	Science	Physics First, Biology, Chemistry, And 1 additional
4	Social Studies	Government/AP Govt and Politics, World History/AP Euro and US/AP US History and 1 additional
1	Fine Art	
1	Practical Art	**
1	PE	
.5	Health	
.5	Personal Finance	
2	World Language	2 of the same World Language

*Must have a 3.5 GPA.

***Personal Finance can count as a .50 of the Practical Art requirement.

**A Rating of Proficient or Advanced on 2 of 3 of MO Assessment Program tests admin. at the H.S. level.

ACADEMIC PROGRAMS

ADVANCED PLACEMENT

The Advanced Placement Program is an offering of college level courses and exams for secondary students. It is a rigorous learning experience of two term and three term courses. AP courses are typically more challenging and require more work than other high school courses. An AP exam is required for those students who would like to earn college credit. Exams are given in May on pre-determined dates established by the College Board. College credit is usually accepted for exam scores of 3, 4, or 5 on a 1-5 scale. The fee for this national exam is approximately \$97.00 per test. Weighted grades are given to AP courses.

<https://apstudent.collegeboard.org/creditandplacement>

Students and parents should be very sensitive to the demanding nature of AP courses. Reading expectations are extensive. Students will be asked to be involved in college level activities, particularly in the areas of writing skills and test taking. AP courses place a high degree of emphasis on the student's own self-motivation, study skills, and ability to self-direct his/her own learning.

WEIGHTED GRADES FOR AP COURSES

Since the 1995-96 school year, Advanced Placement (AP) courses began to be weighted. The weight will be .333. For example, a grade of B+ in an advanced placement course will receive the grade points of an A-. Only grades of B- and above will be weighted. Courses designated Pre-AP are weighted at the same level.

DUAL CREDIT COURSES THROUGH LINCOLN UNIVERSITY, DRURY UNIVERSITY, AND STATE TECH COLLEGE

Dual Credit Requirements:

- A required 3.0 cumulative G.P.A. at the time of enrollment - If less than a 3.0 (2.5 – 2.99), students must have a signed letter from their parents and from the school's administration. 10th grade students must have a 3.0 G.P.A./signed letters. 9th grade students must have a 3.0 G.P.A. and score in the 90th percentile on the ACT (33 composite)
- Lincoln University requires an 18 on the ACT English for Course 101/102
- Lincoln University requires students to pass the math placement test or ACT math sub score of 22 or instructor permission in order to enroll in College Algebra and AP Statistics if you are 10th grade or higher.
- All ninth grade students wishing to enroll in Dual Enrollment must have 3.0 GPA, score in the 90th percentile on the ACT and have a signed letter of recommendation from both the school and the parents/guardians.

The following courses will be offered providing sufficient demand exists. A brochure is available that provides a website where you can locate the equivalent college course and credit, fees, procedures, requirements and AP testing schedule. Interested students should contact the high school counseling office for this brochure or check on the JCHS guidance webpage.

<u>JCHS Course</u>	<u>AP Exam</u>	<u>Lincoln University</u>	<u>Drury University</u>	<u>Weighted Grade</u>
Business Technology I	No	BED 208		No
Honors Personal Finance	No	BAD 250		No
Computer Applications II	No	CIS 101		No
English 101/102*	No	ENG 101/102		No
Pre-AP English Lit	No	None		Yes
AP English Language	Yes	None		Yes
AP English Literature	Yes	None		Yes
College Algebra**	No	MAT 113		No
AP Statistics**	Yes	MAT 117		Yes
AP Calculus AB I	No	None		Yes
AP Calculus AB II	Yes	MAT 123		Yes
AP Calculus BC	Yes	MAT 203		Yes
AP Physics A	No	PHY 101/101L		Yes
AP Physics B	Yes	PHY 102/102L		Yes
AP Biology	Yes	BIO 103/013L		Yes
Pre-AP Chemistry	Yes	None		Yes
AP European History	Yes	None		Yes
AP US History	Yes	HIS 205 and HIS 206		Yes
AP Comparative Govt	Yes	None		Yes
AP US Gov't & Politics	Yes	PSC 203		Yes
AP Psychology	Yes	PSY 101		Yes
AP Human Geography	Yes	None		Yes
Military Leadership*****	No	MSC 101		No
Civil Leadership	No		PDEV 290	No
AP Comp Govt and Politics	Yes		PLSC 101 & 151	Yes

COLLEGE SELECTION

Approximately 70% of JCHS graduates continue their education at two or four year colleges immediately after graduation. Therefore, it is essential to provide accurate and high quality information, assistance, and support concerning college choice, application, and matriculation to our students and their parents. The Counseling Department serves as the resource for students and their parents/guardians. Presently most of the information from colleges/universities is available on the internet. The Counseling Office does have materials including in-state college information/applications, financial aid brochures, scholarship lists, college entrance examination information (PSAT, ACT, SAT I, SAT II, AP, and ASVAB) and information in regard to test preparation.

PROJECT LEAD THE WAY (PLTW)

Jefferson City High School and Simonsen provide students with the opportunity to select from 9 Project Lead the Way Courses in **Engineering, Biomedical Science, and Computer Science**.

Many benefits come with taking PLTW courses while in high school. PLTW courses provide students with opportunities for more rigorous coursework and the opportunity to earn college credits prior to high school graduation. The number of credits earned and for which course depends entirely upon the institution the student selects to attend. PLTW instructors and the institutions can provide more specific information regarding college credits. These courses mimic college coursework in requirements, workload, and students in PLTW classes develop the high-level and critical thinking skills typically required within the first year of college. Students who take PLTW courses will be prepared for careers and college coursework related to Science, Technology, Engineering, and Mathematics (STEM). Each of the three PLTW strands offer a senior-level Capstone experience.

SPECIAL EDUCATION PROGRAMS

Special programs are designed for students with a variety of special needs. The Special Education Program concentrates on supporting students with learning difficulties. Students are required to have an Individual Educational Plan (I.E.P.) on file. Please refer questions to the Case Manager.

COUNSELING CURRICULUM

The counseling departments at Simonsen and JCHS use the **Missouri Comprehensive Model Counseling Program** as a model for developing services for all students. The following areas are addressed:

1. Personal and Social Development
2. Academic Development
3. Career Development

Each office has a variety of resources to help students plan for the future. Information about admissions requirements for career and vocational/technical schools and colleges both in and out of state; financial aid and scholarship opportunities; and ACT and SAT testing is available. The Missouri Connections website, www.missouriconnections.org, is a useful site for students to research careers and colleges.

SCHEDULE CHANGE POLICY Adopted 2002-03 School Year/Reviewed 2015-16 School Year

A student's schedule will be changed for the following reasons only:

1. COMPUTER ERROR
2. PREREQUISITE COURSES NOT MET
3. DUPLICATE CREDIT
4. TEACHER RECOMMENDATION that the student is misplaced

Requests for class changes will not be considered for the following reasons: 1) a change of student interest, 2) a negative effect of course grade on GPA, 3) not needing the course to graduate

All Term 1 and Term 2 schedule changes must be made before the semester begins. There will be a 2-week window in December to make changes in Term 3 and 4 schedules. All changes must be made prior to the

beginning of the semester.

EDUCATIONAL OPTIONS

The high school administration realizes that an effective educational program is one that provides opportunities for student learning both within the classroom and beyond the traditional classroom and school day. These expanded opportunities must be approved before student participation and are viewed as educational options to supplement the regular program and are listed below:

Part-Time Schedules

Students will be required to enroll in a full schedule.

Flex Program

If a student works and averages 10 hours of work (paid or unpaid) per week during their senior year, they could enroll in the Flex Program. Students must volunteer or work in an area that supports their post-secondary plans as evidenced through the application process. No more than 2.0 credits can be earned in a school year. See your counselor for more information and the application.

Early Graduation

Students who have met the requirements needed for graduation and have completed six semesters of high school may apply for early graduation. Students must obtain an application from their counselor and attach a letter stating their intentions once they graduate.

Zero Block and After School Block

Students have the opportunity to enroll in select coursework that is offered before or afterschool. The credits earned in a Zero block and 6th block course are counted towards a student's GPA as well as graduation requirements. Please see your counselor for more information.

Summer School

Summer School classes are offered based on student interest and district approval. Summer School applications are available in February. The course choices are created each year based on student's needs and interests. Applications will be available in each middle school and high school counseling office.

E2020 Program

The E2020 program offers students an opportunity to recover credit or to take enrichment courses through computer-based instructional programs. This program is Internet-based and allows students to work independently and at their own pace with tests proctored at the school. The program being used 9-12 is E2020. Students should visit with their counselor for more information.

Applied Music

Students participating in the music program sponsored by UMC can earn 0.50 elective credit.

Correspondence Courses

Students interested in independent study courses should see their counselor. There are a number of different programs and institutions that offer coursework for high school credit. A student's counselor must approve all courses intended to be used toward graduation requirements.

Jefferson City Academic Center (JCAC)

If a student is interested in attending JCAC, they must contact their counselor or administrator for a recommendation from the building that they are currently attending. For inquiries call JCAC at 573-659-2510. JCAC School hours are from 7:30-4:00.

Advanced Placement (AP) Testing

Students enrolled in AP courses have the option to take the AP examination for which the course has prepared them. Students must reserve their seat for the exams they wish to take in May. Registration typically begins in December and is an online registration process located on the JCHS Counseling webpage under AP testing. Total Registration is the third party used for collection of fees and ordering of tests. Please note there is a \$7.00 administration fee on top of the cost of the exam(s). The cost for the test is approximately \$97.00 per subject examination. Each college or university determines which of these examination scores they will accept. It is important for students to have accurate information from the college they plan to attend regarding the acceptance of AP credit (<http://www.collegeboard.com/ap/creditpolicy>) See AP flyer, or contact Carrie Welch in the counseling office.

LIBRARY MEDIA CENTER

The Jefferson City Library Media Center provides students with resources for print and electronic leisure reading, print and database materials for formal and informal research, technology access and training, test preparation materials and tutoring for college- and career- entrance exams, and study space for individuals and small groups. Our two certified library media specialists work with students and teachers to ensure that students receive the assistance and materials they need to be successful at JCHS and beyond. For more information, please visit the JCHS LMC webpage at <http://www.jcschools.us/domain/713>.



Jefferson City Public Schools

MISSOURI STATE HIGH SCHOOL ACTIVITIES ASSOCIATION

Knowing and following all MSHSAA standards will enable students to protect their eligibility. Also, it is important to know that **all** the following standards must be met to be eligible. You may reference the MSHSAA Publication, "How to Maintain Your Eligibility" for details available from the Activities Department or www.mshsaa.org.

Academic Requirements

Students should not change their course schedules or drop courses without first consulting with the activities director to determine whether it will affect eligibility. This applies to both athletic teams and MSHSAA sanctioned activities.

Grades earned the preceding semester will determine eligibility for each semester. To be eligible for participation, a student in grades 9-12 must be currently enrolled in and regularly attending courses that offer a minimum of 80% of the credits of a standard student schedule and must have earned credit in 80% of maximum allowable classes in which a student can be enrolled the preceding semester of attendance; or a student must be enrolled in a full course at his or her level in a special education program approved by the Missouri State Department of Education which, though ungraded, enrolls pupils of equivalent age, and that student must have made standard progress for his or her level the preceding semester. The total number of credits to earn may vary based upon variations within individual schedules. A beginning 9th grade student shall have been promoted from the 8th grade to the 9th grade for first semester eligibility.

Students may count up to 1 unit of credit from summer school toward establishing their eligibility for the fall semester. **Only classes that are required and necessary for graduation or core elective courses** may be counted toward meeting the academic requirement. Students should receive approval from their **counselor** and the school **activities director** prior to summer school enrollment.

Students enrolled in Virtual School coursework (E2020) whether in a classroom or outside the school day should meet with or gather information from the Activities Department regarding eligibility impact.

Semesters of Participation

A student may not participate in more than four seasons in any interscholastic activity in grades 9-12. A student may have only eight consecutive semesters (four consecutive years) of eligibility in high school in which he/she may participate in one activity per season, and these eight consecutive semesters begin on the twentieth (20th) day of the first semester a student enters the 9th grade or the first interscholastic contest in which the student participates, whatever occurs first. A student who participates in any part of an interscholastic event or contest must count such as a season of participation.

NCAA AND REQUIREMENTS FOR COLLEGE ATHLETES

The NCAA (National Collegiate Athletic Association) requires students to complete the NCAA Clearinghouse Form to determine eligibility for Division I and Division II schools. Eligibility is determined by grades in core classes (approved by NCAA) and ACT and/or SAT exam scores.

NOTE: ***E2020 courses DO NOT count towards eligibility for NCAA.*******

To register, complete the following steps:

- Go to www.eligibilitycenter.org
- Click on: Create an Account (Division I or II) or Create a Profile Page (Division III or uncertain of where you want to complete)
- Jefferson City High School code - 261560
- Have a credit card ready to pay the \$80.00 registration fee (subject to change). *You may be eligible for a waiver of the registration fee if you have received a waiver of the SAT or ACT fee. This is not the same as a U.S. state voucher. You must have an authorized high school official (your counselor) submit your fee waiver verification online after you complete your registration.*
- Before you register with the NCAA, review the [Registration Checklist](#).
- Make sure you remember the email address you register with and the password or pin you create when you register. You will need this information each time you log into the website. **Please use an email address you check frequently and will use after high school. (Note: At the end of your senior year, your @student.jcschools email account will be deactivated. Therefore, it is wise to use an email address other than the student address supplied to you by JCPS.) Having a valid email address is important to receiving information from the NCAA.*

A+ SCHOOL STUDENT FINANCIAL INCENTIVE PROGRAM

Some Guidelines have changed in recent years. Please look them over carefully on the website.

Jefferson City High School and Simonsen Ninth Grade Center are designated as A+ Schools. The A+ Schools program, administered by the Missouri Department of Higher Education (MDHE), provides scholarship funds to eligible graduates of A+ designated high schools who attend a participating public community college or vocational/technical school, or certain private two-year vocational/technical schools.

To be eligible, students must:

- 1) Be a U. S. Citizen or permanent resident
- 2) Sign an A+ Agreement Form with your high school prior to graduation.
- 3) Attend a designated A+ School for three consecutive years immediately prior to graduation. (If one of your parents is a member of the military on active duty or has retired from the military and relocated to Missouri within one year of their retirement, you are exempt from this requirement. However, you must attend an A+ designated high school in the school year immediately preceding graduation and meet all of the other high school eligibility requirements.) *
- 4) Graduate with an overall grade point average of 2.5 or higher on a 4.0 scale.
- 5) Have at least a 95% attendance record overall for grades 9-12.
- 6) Perform at least 50 hours of unpaid tutoring or mentoring, of which up to 25% may include job shadowing.
- 7) Maintain a record of good citizenship and avoidance of the unlawful use of drugs and/or alcohol.**
- 8) Have achieved a score of proficient or advanced on the Algebra I, Geometry, or Algebra II end-of-course exams. If you meet all of the eligibility requirements except the end-of-course exam requirement, you may establish eligibility by achieving a qualifying score on the mathematics component of the ACT test. You may achieve the qualifying score as a high school or postsecondary student. If you achieve the score as a postsecondary student you may be eligible for an award in the same term that you take the test. The Missouri Department of Higher Education will announce the qualifying ACT scores annually. **

The tuition incentive will be made available only after the student has made a documented good faith effort to first secure all available post-secondary student financial assistance funds that do not require repayment. The tuition incentive will only be made available to reimburse the unpaid balance of the cost of tuition and fees. The student financial incentive program is dependent upon Jefferson City High School maintaining A+ designation and the Missouri Department of Higher Education receiving the state appropriation from the Missouri General Assembly.

** Per school board policy, any student who is assigned to the Student Suspended Classroom or receives an out of school suspension during the four-year period will be ineligible for A+.

*** The Coordinating Board for Higher Education (CBHE) is responsible for annually establishing the thresholds students may meet as alternatives to scoring proficient or advanced on the Algebra I end-of-course exam. The thresholds are announced in the spring of students' junior year to allow ample time for the students to be aware of and achieve them before graduation the following year. Based on this timeline, the thresholds for the 2017 seniors will be announced early in spring 2018.

New information from MDHE and CBHE may not be available at the time of publishing of this Academic Planning Guide for 2018-19. Please refer to the JCHS A+ website (listed below) for updates from MDHE. As soon as updates are available, they will appear on the website

Contact Marcia Sankey, A+ Coordinator, 659-3048, if you have further questions. For more information, please visit the JCHS A+ website (<http://www.jcschools.us/domain/38>) or the Missouri Department of Higher Education A+ website. (<http://dhe.mo.gov/ppc/grants/aplusscholarship.php>)

ASSESSMENT SCHEDULE

THE MISSOURI CONNECTIONS CAREER PLANNING SYSTEM

The Missouri Connections career planning website is available to all students. There is no cost to students. Missouri Connections is designed to measure interests and abilities keyed to requirements for the majority of occupations and personal work values. The results will provide students with career path information; skills and abilities needed and related courses of study and post-secondary majors. The website is www.missouriconnections.org.

END OF COURSE EXAMS

End of Course Exams will take place at the completion of the following courses: Algebra I, Algebra II, Geometry, English I/Honors English I, English II/Honors English II, US History/AP US History, Government/AP Government and Politics/AP Comparative Government, and Biology. Any student classified as a homebound and/or part time student is required to take the EOC test and/or tests as well.

PSAT TEST

The Preliminary Scholastic Aptitude Test (PSAT) will be offered to students at Simonsen and Jefferson City High School on the National Testing Date in October. Sophomores may take the test if they wish to be considered for nomination to the Missouri Scholars Academy and as practice for their junior year when they may enter the National Merit Scholarship Competition. Juniors interested in the competition must take the PSAT to be considered. The cost is approximately \$17.00. See www.collegeboard.com for additional information.

ADVANCED PLACEMENT EXAMINATIONS

The first two weeks of May on designated dates set by the College Board.

COLLEGE ADMISSION TESTS

ACT Test

Thomas Jefferson Middle School is a test center site for all the test dates in the 2017-2018 school year. The regular registration cost for 2016-2017 was \$42.50 and \$58.50 for the optional ACT Plus Writing. There is an additional fee for late registration. ACT strongly encourages students to register online at www.actstudent.org. Please visit the counseling office for test dates or online at www.actstudent.org.

Pre-ACT Test

The Pre-ACT test is given to all sophomores. This test is designed to provide students insights on science skills, critical thinking, and the ability to understand complex texts. The test also provides ACT College Readiness Benchmarks.

SAT Test

Jefferson City High School is a test center site for the December date only. Other sites include Lincoln University and Hickman High School in Columbia. The 2017-2018 regular registration fee was \$46.00. See the registration booklet for a complete listing. Registration packets are available online and you must register online. You can view test dates at www.collegeboard.com.

Missouri colleges prefer students submit college entrance scores when applying for admission. Students planning to attend a four-year college should take the ACT or SAT tests no later than spring of their junior year. Students planning on attending a 2-year community college or technical school do not have to take the ACT or SAT, they would take a placement test at that college after they have been accepted. Students may take tests on any of the nationally scheduled dates and may retest as often as they choose. Fee waiver information is also available for students participating in the JCPS free/reduced lunch program. Students who need fee waivers should see their counselor. **The Jefferson City High School code or CEEB code is 261-560. This code is needed when filling out the registration information for SAT and/or ACT.**

Students preparing for college admissions test should:

1. Select high school courses that include the recommended core curriculum to include 4 units of English, 3 units of math (completing Math Analysis & Trigonometry), 3 units of social studies, 2 units of science (one must be a laboratory course), 1 unit of fine art, and 3 additional units of any courses previously listed or world language (2 units strongly recommended).
2. Study current preparation materials, including the practice test, published by ACT or SAT and available free of charge in the guidance office. Students may utilize additional test preparation materials available in libraries, bookstores and through the test publishers and see www.collegeboard.org for SAT information or see www.act.org/aap/STRAT/Strategies.html for ACT sample test items and strategies. Students may also visit the JCHS library and sign up on www.learningexpresslibrary.com for free practice tests.
3. Enlist the help of teachers to answer questions and clarify concepts. (Consider making an appointment before or after school to work with a teacher.)



Jefferson City Public Schools

DEPARTMENTAL SEAL OF EXCELLENCE

Graduating seniors who demonstrate achievement of the standards of excellence in one or more subject areas will receive a **Seal of Excellence Award**. This award will designate the subject area or areas in which excellence has been achieved.

A student will be eligible for a **Seal of Excellence Award** upon completion of

- 1) Verification that all subject area standards of excellence have been completed; and
- 2) Recommendation by the department that a "Seal of Excellence Award" be issued.

Listed below are the guidelines by subject area for achieving a departmental **Seal of Excellence Award**.

LANGUAGE ARTS:

English:

- * Student must have completed 4.0 credits of English classes.
- * In addition to English I, II, and III, students may choose among approved courses which include: Pre AP English Lit, AP English Language, English IV, English 101/102 Dual Enrollment or AP English Lit.
- * Student must have a 3.667 grade point average in all English courses.
- * Student must score "proficient" or "advanced" on the English II End of Course Exam (EOC) exam.

Journalism:

- * Student must have taken at least 4.0 credits in journalism, which must include 1.0 credit in Journalistic Writing plus 2.0 credits in Journalistic Production.
- * Student must have a 3.667 grade point average in journalism courses.
- * Student must have served at least one year in an editor's capacity on the publication staff.

Speech/Debate:

- * Student must have a 3.667 grade point average in speech courses.
- * Student must have been enrolled in at least three of the following speech courses: Speech I or II, Debate I or II, speech/drama performance. Speech/drama performance must be taken twice to count as drama and speech credit.
- * Student must obtain NFL membership prior to the senior year.
- * Student must participate in tournament competition and community public speaking opportunities for a minimum of two years.

Drama:

- * Student must have a 3.667 grade point average in drama courses.
- * Student must have been enrolled in at least three of the following courses: Drama I, Drama II, speech/drama performance. Speech/drama performance must be taken for two semesters to count as drama and speech credit.
- * Student must be an active member of J.C. Players and Thespians prior to the senior year.
- * Student must have participated in at least four school productions: acting, directing, or technical aspects. One production may be in community theater productions.

SOCIAL STUDIES:

- * Students must complete at least 1.5 credits of Social Studies classes beyond Citizenship, Government, World History, and U.S. History. Students who take AP European History or AP U.S. History, must complete an additional 1.0 credits of Social Studies. Students who take AP European History and AP U.S. History, must complete an additional 0.5 credit of Social Studies.
- * Student must have earned a 3.667 grade point average in Social Studies courses.
- * Student must score "proficient" or "advanced" on the U.S. History End of Course (EOC) exam.

MATHEMATICS:

- * Student must attain at least a 3.667 grade point average in math courses. All math courses taken in grades 9-12 will be used to determine the math GPA.
- * Student must complete at least 1.0 math credit beyond Math Analysis/Trigonometry.
- * Students must score “proficient” or “advanced” on the Algebra I End of Course (EOC) exam.

SCIENCE:

- * Student must have a 3.667 grade point average in science courses. All science courses taken in grades 9-12 will be used to determine the science GPA.
- * Students must have completed 5.0 credits of science classes.
- * In addition to Physics First or Earth Science, Biology or Medical Biology, Chemistry or Medical Chemistry, and Physics A, students may choose among the following courses: AP Biology, Anatomy and Physiology, Pre-AP Chemistry, or AP Physics B.
- * Students must score “proficient” or “advanced” on the Biology End of Course (EOC) exam.

MUSIC:

- * The student must be enrolled in the department for a minimum of 6 units of credit including the senior year.
- * Awards will be given in categories - Vocal Music, Band, Orchestra, and Combined Departmental.
- * Points to be accumulated: Vocal - 30, Band - 32, Orchestra - 24, and Combined - 28 (2 from each area: band/choir or choir/orchestra).
- * Student must achieve a minimum 3.667 grade point average in each area considered.

ART:

- * Student must have 3.667 grade point average in Art classes.
- * Student must have completed 2.5 credits of Art
- * Student must submit a portfolio that exhibits originality and understanding of art principles and techniques, in a wide variety of mediums. The portfolio is reviewed by the Art Department staff and becomes the deciding factor after other criteria have been met.
- * Must be an active member of Art Club.

WORLD LANGUAGE:

- * Student must have successfully completed 3.0 credits of a world language or 2.0 credits of two or more languages.
- * Student must have a 3.667 grade point average in world language courses.

BUSINESS & MARKETING EDUCATION:

- * Student must have a 3.667 grade point average in all business courses taken.
- * Student must have completed at least 3.5 credits in the Business & Marketing Education Departments.

FAMILY and CONSUMER SCIENCES:

- * Student must complete 2.5 credits in the Family and Consumer Sciences department.
- * Student must have a 3.667 grade point average in Family and Consumer Sciences.

INDUSTRIAL TECHNOLOGY:

- * Student must have completed 2.0 credits of industrial technology classes with a grade point average of 3.667.
- * Student must display mastery of safety and operation of tools and equipment.

PHYSICAL EDUCATION:

- * Student must have completed a minimum of 2.0 credits of physical education class and 1 credit of a combination of Health, Athletic Training or Medical Physiology for Athletic Performance for a total of 3.0 credits maintaining a grade point average of 3.667 or better.
- * Students must meet requirements for the Presidential Physical Fitness Award.

PROJECT LEAD THE WAY:

Engineering and Biomedical Science Requirements:

- * Student must complete four courses in Engineering or four courses in Biomedical Science including the Capstone Course.
- * Student must have an average of at least a four on all PLTW End of course (EOC) exams.
- * Student must have at least a 3.667 grade point average in all grades 9-12 PLTW courses.

Computer Science Requirements:

- * Student must have at least a 3.667 grade point average in all grade 9-12 PLTW courses.
- * Student must have an average of at least a four on all PLTW End of Course (EOC) exams.
- * Student must have taken all courses available for the student's year of graduation.

AGRICULTURAL SCIENCES:

- * Student must have a 3.667 grade point average in Agricultural Science Courses.
- * Student must complete at least 4 units of credit
- * Student must actively participate in the Nichols Career Center FFA Chapter during enrollment in Agricultural Sciences Department courses.

TEACHING ACADEMY:

- * To complete the Teaching Academy, a student must successfully complete School-Age Child, Educational Psychology and A+ tutoring

NICHOLS CAREER CENTER CAREER AND TECHNICAL EDUCATION SEAL OF EXCELLENCE

Graduating students who demonstrate achievement of standards of excellence may receive a **Seal of Excellence Award**. The student will be eligible for a **Seal of Excellence Award** upon completion of the following:

1. Application to the appropriate career and technical program.
2. Verification by the Seal of Excellence Committee that all standards of excellence have been completed.
3. Recommendation by the program instructor(s) that a **Seal of Excellence** be awarded.

Program areas: Auto Collision Technology; Automotive Technology; Building Trades; Graphic Communications; Computer Technology; Electronics; Heating, Air Conditioning and Refrigeration; and Welding.

Qualifications for the Career and Technical Education Seal of Excellence are listed as follows.

- * Student must complete eight units of credit of one program of study and be enrolled in the final term of their program. Eligibility is not limited to one program or contingent upon other programs.
- * Student must have a 3.667 minimum grade point average (A-) in the above-mentioned career and technical classes.
- * Student must maintain excellent attendance (95%).
- * Student must demonstrate mastery in 90% of the instructional competencies addressed in the program area.
- * Student must exhibit outstanding work habits in classroom and/or shop activities. This includes citizenship, leadership, technical knowledge, safety procedures, and a cooperative attitude with the instructor and fellow students.
- * Secondary student must be an active member of the appropriate student organization (Skills USA, DECA)

Characteristics of a JCPS Graduate

1. **Social Skills and Personal Character:** The graduate will possess the basic social skills to thrive in society including strong character, high moral and ethical behavior, and self-confidence.
2. **Global awareness:** The graduate will have an appreciation for other cultures; will possess foreign language skills; and they will have an understanding of the value of diversity in our society.
3. **Personal Concept:** The graduate will be resilient, goal-oriented, and possess a strong self-concept with the ability to develop a personal value and belief system.
4. **Technology Skills:** The graduate benefit from continued access to a mandatory technology curriculum leading to proficiency in the world of technology.
5. **Learning Skills:** A JCPS graduate will be provided with the tools to be adaptable. They will have the ability to learn, unlearn and relearn. They will be information literate and possess the skills to address their personal intellectual curiosity
6. **Academic Core:** Graduates will be competent/proficient in the academic core subjects.
7. **Life Skills:** The graduate will possess the knowledge and skills to successfully obtain and hold meaningful employment (including interviewing and job application ability); understand and exercise personal financial decisions; and have reliable organizational skills.
8. **Critical and Creative Thinking Skills:** The graduate will possess the skills to think and problem-solve creatively, innovatively, and critically.
9. **Communication Skills:** The graduate will possess adequate/excellent oral, written and listening communication skills.
10. **Collaboration and Work Dynamics:** The graduate will be self-motivated and possess the skills to work independently or within group dynamics; furthermore, the graduate will understand the opportunities that are available and be resourceful in seizing those opportunities.



Jefferson City High School & Simonsen Ninth Grade Center

Student Choices	AETI <i>Agriculture, Engineering, Trade & Industrial Academy</i>	S³ <i>Health, Consumer & Public Services Academy</i>	CAB <i>Communication, Arts & Business Academy</i>	Traditional Path
Programs of Study	Agriculture <ul style="list-style-type: none"> • General Engineering, Trade & Industrial <ul style="list-style-type: none"> • CTE • PLTW • General 	Health Services <ul style="list-style-type: none"> • CTE • PLTW • General Consumer Services <ul style="list-style-type: none"> • CTE • General Public Services <ul style="list-style-type: none"> • General 	Communication <ul style="list-style-type: none"> • CTE • General Arts <ul style="list-style-type: none"> • CTE • General Business <ul style="list-style-type: none"> • CTE • PLTW • General 	General Coursework

Students may choose one of three Academies: AETI, S³ or CAB. Each Academy has specific areas of interest from which students may choose: health services, consumer services, public services, agriculture, engineering, trade & industrial, communication, arts, and business; each area contains Programs of Study from which students may earn an AETI, S³ or CAB endorsement.** Students may choose the Traditional Path option, which is a general high school course of study.

AETI

AGRICULTURE, ENGINEERING, TRADE & INDUSTRIAL ACADEMY

contains the following Programs of Study:

Agriculture: General Program of Study

Engineering, Trade & Industrial: *Career Technical Education (CTE), Project Lead the Way (PLTW) Engineering, and a General Program of Study

S³

HEALTH, CONSUMER & PUBLIC SERVICES ACADEMY

contains the following Programs of Study:

Health Services: *Career Technical Education (CTE), Project Lead the Way (PLTW) Biomedical Science, and a General Program of Study

Consumer Services: *Career Technical Education (CTE), and a General Program of Study

Public Services: General Program of Study

CAB

COMMUNICATIONS, ARTS & BUSINESS ACADEMY

contains the following Programs of Study:

Communication: *Career Technical Education (CTE), and a General Program of Study

Arts: *Career Technical Education (CTE), General Program of Study

Business: *Career Technical Education (CTE), Project Lead the Way (PLTW) Computer Science, and a General Program of Study

Traditional Path

TRADITIONAL PATH

contains standard coursework to meet high school graduation requirements as defined by the State of Missouri

*CTE Programs may lead to certification if students complete and pass industry-ready tests.

**Beginning with the Class of 2018 graduates, students who complete 6.0 credits within a Program of Study will earn an Academy endorsement upon graduation. An Academy endorsement means a student has met the requirements necessary to receive an Academy-specific cord and special recognition at graduation. This will serve as a powerful resume builder for future endeavors.



The Traditional Path of Study



To graduate from Jefferson City High School, students must complete 29 credits of coursework. See back of flyer for more information on graduation requirements.

Is the Traditional Path of Study for you?

This general path will contain standard coursework to meet high school graduation requirements as defined by the State of Missouri. This will look and feel like “typical” high school classes, with no direct focus on specified areas of interest or future fields of study.

Should a student decide later that he or she wants to enter one of the Academy-models of learning, he or she can make that transition at the start of any new school year, however, if the decision to join an Academy is made too late, he or she may be unable to complete courses necessary for an Academy endorsement.



..... (573) 659-3018 Find complete Academy information at: www.jcschools.us



The Traditional Path of Study



Jefferson City High School Diploma

SUBJECT	CREDITS
Language Arts	4.0
Math	3.0
Science	3.0
Social Studies	3.0
Fine Arts	1.0
Practical Arts	1.0
Personal Finance <i>(Can count as 0.50 of the Practical Arts requirement)</i>	0.5
P.E.	1.0
Health	0.5
Electives <i>12 units depending upon Personal Finance</i>	12.0/12.5
TOTAL	29

**All students must pass the Missouri and US Constitution tests to graduate.*

***Required EOC exams in English II, Biology, Algebra I, and Government.*

****Required ACT exam for all Juniors. Free statewide assessment.*

Jefferson City College Preparatory Certificate Requirements *(starting with class of 2018)*

SUBJECT	REQUIRED COURSES	CREDITS
Language Arts		4.0
Math	Algebra 1 through Math Analysis/Trig or higher	4.0
Science	Physical Science, Biology, Chemistry and 1 additional	4.0
Social Studies	Government/AP Govt. and Politics/AP Comparative Government, World History/AP Euro., U.S./AP U.S. History, and 1 additional	4.0
Fine Arts		1.0
Practical Arts		1.0
Personal Finance <i>(Can count as 0.50 of the Practical Arts requirement)</i>		0.5
P.E.		1.0
Health		0.5
World Language	2.0 units of the same World Language	2.0

**Must have a 3.5 G.P.A.*

***Must have a rating of proficient or advanced on 2 of 3 MO Assessment Program tests administered at the High School level.*

..... (573) 659-3018 Find complete Academy information at: www.jcschools.us



Health, Consumer & Public Services Academy



**For a list of courses offered within each Program of Study see back of flyer.*

Is one of the Health Services Programs of Study for you?

Students in these Programs of Study are compassionate, critical thinkers, pay attention to details, confident, and have good time management skills. If you have a heart for people and a desire to improve lives then one of these Programs of Study is for you!

- Home Health Aide
- Medical Records Administrator
- Nurse Practitioner
- Occupational Therapist
- Optometrist
- Physical Therapist
- Physician/Surgeon
- Physician Assistant
- Speech/Language Pathologist



Is one of the Consumer Services Programs of Study for you?

Do you enjoy working in the kitchen and cooking meals? Do you enjoy fashion and helping people look their best? Do you like managing and organizing events? If you said "yes" to any of these questions, then one of these Programs of Study is for you! Students in these Programs of Study learn about fashion design and marketing, management and operations in food services, lodging, recreation events and travel related services, and learn the art of preparing and cooking food.

- Apparel Business Owner
- Chef
- Clothing Designer
- Food Writer
- Hotel Management
- Makeup Artist
- Restaurant Manager
- Trend Analysts
- Travel & Tourism



Is the Public Services Program of Study for you?

Students in this Program of Study are interested in planning and performing legal, public safety, protective services and homeland security, including professional and technical support services. Students may also be interested in planning, managing and providing education and training services. If you are someone who likes to communicate, problem solve and work with people, then this Program of Study is for you!

- Administration
- Corrections Officer
- Counselor
- Law Enforcement Services
- Legal Services
- Military Services
- National Security
- Psychologist
- Teaching



..... (573) 659-3018 Find complete Academy information at: www.jcschools.us



Health, Consumer & Public Services Academy



Health Services Programs of Study

CTE

Health Science	4.0
<i>Additional 2.0 credits from PLTW OR General Programs of Study</i>	

PLTW

Principles of Biomedical Science	1.0
Human Body Systems	1.0
Medical Interventions	1.0
Bio Medical Innovation	1.0
<i>Additional 2.0 credits from CTE OR General Programs of Study</i>	

General

Anatomy & Phys.	1.0
AP Biology - Dual Credit	1.0
AP Physics A - Dual Credit	1.0
AP Physics B - Dual Credit	1.0
AP Psychology - Dual Credit	1.5
AP Statistics - Dual Credit	1.0
Athletic Training & Nutrition	0.5
Human Biology	1.0
Intro to Health Services	0.5
Medical Chemistry	1.0
Medical Terminology	0.5
PreAP Chemistry	1.0
Psychology	0.5
Sports Medicine	0.5
<i>Credits accrued from CTE or PLTW may be used as part of the 6.0 credits for the General Program of Study</i>	

Consumer Services Programs of Study

CTE

Foods I	0.5
Culinary Arts I/II	4.0
<i>Additional credits from the General Program of Study to total 6.0 credits</i>	

General

AP Psychology - Dual Credit	1.5
Desktop Publishing	0.5
Entrepreneurship A	0.5
Entrepreneurship B	0.5
Foods II	0.5
Interior Design & Decorating	0.5
Intro to Fashion Merchandising	0.5
Intro to Hospitality & Tourism Mngt	0.5
Intro to Human Services	0.5
Marketing	1.0
Psychology	0.5
Sociology I	0.5
Textile I	0.5
Textile II	0.5
World Foods	0.5
<i>Credits accrued from CTE may be used as part of the 6.0 credits for the General Program of Study</i>	

Public Services Program of Study

General

21st Century Communications	0.5
A+ Tutoring	0.5
AP Comparative Government & Politics - Dual Credit	1.0
AP Psychology - Dual Credit	1.5
AP US Government & Politics - Dual Credit	1.0
Business Law I	0.5
Business Law II	0.5
Child Development	0.5
Children's & Young Adult Literature	0.5
Civil Leadership - Dual Credit	0.5
Educational Psychology	0.5
Family Leadership	0.5
Global Studies	1.0
Intro to Human Services	0.5
Intro to Law, Public Safety, Corrections & Security	0.5
Legal Topics	0.5
Legislative Seminar - Dual Credit	0.5
Military Leadership - Dual Credit	1.0
Psychology	0.5
Sociology I	0.5
The School Age Child	0.5

***Students need 6.0 credits from a Program of Study to receive an Academy Endorsement**

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June 2017



Agriculture, Engineering, Trade & Industrial Academy



**For a list of courses offered within each Program of Study see back of flyer.*

Is the Agricultural Program of Study for you?

Students in this Program of Study like to be outdoors, enjoy working with animals and plants, like to work with their hands, or have an interest in conservation. If you are interested in the living world and how everything we see, eat, do, and grow fits together, then this Program of Study is for you!

- Animal Behaviorist
- Animal Nutritionist
- Animal Scientist
- Environmental Scientist
- Environmental Technician
- Farm or Ranch Manager
- Food Processing Manager
- Game Warden
- Geneticist
- Landscaping
- Meat Scientist
- Park Ranger
- Veterinarian
- Wildlife Manager



Is one of the Engineering, Trade & Industrial Programs of Study for you?

Students in these Programs of Study are interested in building and planning for a new tomorrow. If you like to use your mind and hands together to change the world by identifying real world problems and working towards solutions to make our world a better place, then one of these Programs of Study is for you!

- Architecture & Design
- Auto Collision Repair
- Automation
- Automotive Technician
- Cabinet Maker
- Carpenter
- Construction
- Contractor
- Damage Appraiser
- Electrician
- Engineering
- Green Solutions
- Logistics
- Mechanic
- Pipefitter
- Refrigeration
- Robotics
- Welder



..... (573) 659-3018 Find complete Academy information at: www.jcschools.us



Agriculture, Engineering, Trade & Industrial Academy



Agriculture Program of Study

General

Advanced Animal Science	1.0
Ag Business, Sales & Marketing	1.0
AP Biology - Dual Credit	1.0
Conservation of Natural Resources	0.5
Equine Science	0.5

Food Science	0.5
Forest Management	0.5
Foundations of Animal & Plant Science	1.0
Horticulture	1.0

Intro to Agriculture	1.0
Principles of Technology II	1.0
Small & Specialty Animals	0.5

Engineering, Trade & Industrial Programs of Study

CTE

Automotive Technology I	4.0
Auto Collision Technology I	4.0
Building Trades I - Dual Credit	4.0
Mechatronics I - Dual Credit	4.0
HVAC I	4.0
Welding I	4.0
<i>Additional 2.0 credits from PLTW or General Programs of Study</i>	
OR	
Automotive Technology I/II	8.0
Auto Collision Technology I/II	8.0
Building Trades I/II - Dual Credit	8.0
HVAC I/II	8.0
Mechatronics I/II - Dual Credit	8.0
Welding I/II	8.0

PLTW

Intro to Engineering Design	1.0
Principles of Engineering	1.0
Civil Engineering & Architecture	1.0
Engineering Design & Development	1.0
<i>Additional combination of 2.0 credits from CTE OR General Programs of Study OR the following courses:</i>	
AP Biology - Dual Credit	1.0
AP Calculus AB I	1.0
AP Calculus AB II - Dual Credit	1.0
AP Calculus BC - Dual Credit	1.0
AP Physics A - Dual Credit	1.0
AP Physics B - Dual Credit	1.0
AP Statistics - Dual Credit	1.0
Pre AP Chemistry	1.0

General

Electricity	0.5
Metals Technology I	0.5
Metals Technology II	0.5
Principle of Technology II	1.0
Woodworking I	0.5
Woodworking II	0.5
<i>Credits accrued from CTE OR PLTW may be used as part of the 6.0 credits for the General Program of Study</i>	

***Students need 6.0 credits from a Program of Study to receive an Academy Endorsement**

..... (573) 659-3018 Find complete Academy information at: www.jcschools.us



Communication, Arts & Business Academy



**For a list of courses offered within each Program of Study see back of flyer.*

Is one of the Communication Programs of Study for you?

We all have stories to tell. Students in these Programs of Study will learn how to communicate those stories in every possible way. Students will have opportunities to explore designing, producing and exhibiting services. If you love to communicate through words, visuals, the media or graphics, then one of these Programs of Study is for you!

- Audio Technician
- Broadcast Engineer
- Journalist
- News Anchor
- Newspaper Layout/Design
- Public Relations Specialist
- Radio Broadcasting
- Studio Technician
- Webpage Designer



Is one of the Art Programs of Study for you?

Students in these Programs of Study are interested in creating works, which may be visual in nature, such as ceramics, drawing, painting, sculpture, architecture, printmaking, modern visual arts (photography, video, and filmmaking), design and crafts or creating works that are performed in front of an audience, such as drama, music, and dance. If you like to create or perform, then one of these Programs of Study is for you!

- Actor/Actress
- Advertising Art Director
- Art Critic
- Court Artist
- Gallery Owner
- Graphic Designer
- Jewelry Designer



Is one of the Business Programs of Study for you?

Students in these Programs of Study are interested in working in the areas of planning, leadership, communication, collaboration, and technology while studying both locally and globally in the business world. If you are a student who wants to study computer science, marketing or entrepreneurship, then one of these Programs of Study is for you!

- Accounting
- Banking Services
- Business Consultant
- Business Finance
- Business Management
- Information Support & Services
- Insurance
- Leadership Skills
- Network Systems
- Owning/operating a business
- Philanthropic organizations
- Programming & Software Development
- Sales Representative
- Securities & Investments
- Web & Digital Communications



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Communication, Arts & Business Academy



Communication Programs of Study

CTE

Broadcast Media I	4.0
Graphic Communications I - Dual Credit	4.0
<i>Additional 2.0 credits from General Program of Study OR</i>	
Broadcast Media I & II	8.0
Graphic Communications I/II - Dual Credit	8.0

General

21st Century Communication	0.5
Creative Writing	0.5
Desktop Publishing	0.5
Digital Photography	0.5
Foreign Language IV or AP	1.0
Help Desk	1.0
Interpersonal Communications	0.5
Intro to Media	0.5
Intro to Photography	0.5
Journalistic Prod. - Red & Black	2.0
Journalistic Prod. - Yearbook	2.0
Journalistic Writing	1.0
Speech II	0.5
Video Productions	1.0
Video Productions Independent Study	1.0
Web Design I	0.5
Web Design II	0.5

Arts Programs of Study

CTE

Graphic Communications I - Dual Credit	4.0
<i>Additional 2.0 credits from General Program of Study OR</i>	
Graphic Communications I/II - Dual Credit	8.0

General

Advanced Music Theory	0.5	Journalistic Prod. - Red & Black	2.0
Art I, II, III & IV	1.0 each	Journalistic Prod. - Yearbook	2.0
Ceramics I, II, & III	0.5 each	Marching Jay Band	1.0
Chorale	2.0	Music Appreciation	0.5
Competitive Speaking and Interpretation	1.0	Printmaking	0.5
Concert Band	1.5	Speech II	0.5
Concert Choir	2.0	Symphonic Band	1.5
Concert Orchestra	2.0	Symphonic Orchestra	2.0
Debate II	0.5	Three Dimensional Art	0.5
Desktop Publishing	0.5	Video Productions	1.0
Digital Photography	0.5	Video Productions Independent Study	1.0
Drama I/II	1.0	Web Design I & II	0.5 each
Freshman Choir	2.0		
History of Jazz, Pop & Rock	0.5		
Intro to Music Theory	0.5		
Intro to Photography	0.5		
J.C. Riot	1.0		
Jazz Band	1.0		

Business Programs of Study

CTE

Computer Technology I - Dual Credit	4.0
<i>Additional 2.0 credits from PLTW or General Programs of Study OR</i>	
Computer Technology I/II - Dual Credit	8.0

PLTW

Computer Science Essentials	1.0
Computer Science Principles	1.0
Computer Science A	1.0
**Cybersecurity	1.0
<i>Additional credits from CTE or General Program of Study to total 6.0 credits</i>	
<i>**To be implemented in Fall of 2018.</i>	

General

Accounting I	1.0
Accounting II - Dual Credit	1.0
Business Law I & II	0.5 each
Business Technology - Dual Credit	1.0
Computer Applications I	0.5
Computer Applications II - Dual Credit	0.5
Desktop Publishing	0.5
Entrepreneurship A or B	0.5 each
Global Business	0.5
Help Desk	1.0
Intro to Business	0.5
Marketing (CME)	1.0
Marketing Work Experience (CME)	Varies
Speech II	0.5
Web Design I & II	0.5 each
<i>Credits accrued from CTE or PLTW may be used as part of the 6.0 credits for the General Program of Study</i>	

***Students need 6.0 credits from a Program of Study to receive an Academy Endorsement**

..... (573) 659-3018 Find complete Academy information at: www.jcschools.us

June 2017

BUSINESS & MARKETING EDUCATION

Accounting I (7210)

Grades 10-12

Credit 1.0

Accounting I will provide a basic understanding of accounting principles as well as help students develop a business vocabulary. Students will learn how to analyze business transactions; record those transactions in journals, transfer information to various ledgers, and prepare financial statements for both a proprietorship and a corporation using both manual and automated systems.

Accounting II (7211)

Grades 11-12

Credit 1.0

Accounting II is an advanced course designed for any student who is planning a career in accounting **or planning on enrolling in business courses at the post-secondary level**. Journalizing, posting, and preparation of financial statements will be covered for a departmentalized business. Emphasis is also placed with a mixture of cost accounting and managerial accounting, **including determining inventory cost and turnover ratios**. Students will complete accounting simulations and be introduced to an automated accounting system. **Prerequisite: "C" or better in Accounting I**

Business Law I (7241)

Grades 10-12

Credit 0.5

Business Law I helps develop an understanding of how law affects you in everyday living and to gain knowledge of legal terms and forms. Several phases of law covered are as follows: ethics and sources of laws, the dual court system, trials, criminal law, and tort law. From a study of Business Law I, students should gain a genuine respect and an intelligent appreciation for the law that affects them both at home and at work.

Business Law II (7242)

Grades 10-12

Credit 0.5

Business Law II helps develop an understanding of how law affects you in everyday living and to gain knowledge of legal terms and forms. Several phases of law covered are as follows: contracts, real estate law, personal property law, and probate law. From a study of Business Law II, students should gain a genuine respect and an intelligent appreciation for the law that affects them both at home and at work. **Prerequisite: Business Law I**

Business Technology (7243)

Grades 11-12

Credit 1.0

Business Technology provides students with essential knowledge and skills for success in any business workplace. Students will develop transferable skills and be guided to adapt to the rapidly changing world of technology through a service learning experience. Topics covered: mock employment interviews, office equipment use, effective communication skills, workplace skills, trends, laws and behaviors. This is an ideal class for those thinking of owning their own business, or those currently employed in a part-time business job and/or continuing their college education in a business related field. Qualified students may enroll for dual enrollment credit with Lincoln University. See the JCHS plan book or a counselor for details.

Broadcast Media I/II (7232/7233)*(NCC)

Grades 11-12

Credit 4.0/Year

Broadcast Media I is a program of study offered through the Nichols Career Center. Focus will be placed on in-depth news story development, communication skills (written, oral, interview styles, etc.) and technology skills required to create an online news magazine. Students will pitch story ideas, research material for stories, conduct interviews, and edit stories into a final format and meet production deadlines. Professional audio visual and lighting equipment use will be a key component of instruction on location, and in the classroom studio. Industry level editing software includes Adobe Premiere Pro (video), Adobe Audition (audio) and Adobe Photoshop (images and photos). Emphasis is placed on hands-on activities requiring students to work in groups, be creative, responsible, and professional. Visit www.nicholsstudentnews.com to preview student news stories. **Prerequisite** : Journalistic Writing **OR** strong communication skills (verbal, written) as evidenced by proficient writing skills in all high school English classes. Students must complete an application and submit to the Nichols Career Center counseling office.

Broadcast Media II is a continuation of Broadcast Media I where students will work on in-depth news story development. Responsibilities will also include positions as copy editor, news director and website manager. **Prerequisite** : Broadcast Media I and instructor approval.

Career Connections (7250)**Grades 10-12****Credit 0.5**

Career Connections students will create an individual career profile through the scoring of various inventories. Topics covered include self-esteem, goal setting, conflict resolution, sexual harassment, substance abuse, ethics, diversity, and the job search process. Various textbooks, current articles, career videos, guest presenters, online career information, and other creative means will be used to help students search for the most satisfying career for their basic personality type.

Career Connection/Work (7252)**Grades 10-12****Credit 0.5**

Career Connections Work students who have successfully completed Career Connections are eligible to go to work for school credit. Students will turn in a weekly time sheet to their school supervisor. The employer will evaluate and submit grade sheets to the school supervisor. **Prerequisite: Career Connections.**

Computer Applications I (7221)**Grades 9****Credit 0.5**

Computer Applications I students will utilize word processing and spreadsheet programs to demonstrate content knowledge and depth of understanding. This course is designed to provide students learning opportunities to explore and discover the features in both programs. Utilizing features of word processing, students will demonstrate the ability to insert and format text, create tables and develop documents through mail merge. Students will use spreadsheet programs to incorporate basic formulas and advanced functions as well as creating multiple chart types. Images will be inserted and formatted on a variety of work ranging from company logos to Clip Art graphics

Computer Applications II (7222)**Grades 11-12****Credit 0.5**

Computer Applications II students will use Microsoft Office Access software to create and manipulate databases (e.g., telephone/address books/inventory control, etc.) and Microsoft PowerPoint to integrate text, graphics, sound, video and animation to create a variety of presentation and multimedia publications. This course prepares students to take the Microsoft Access Expert and PowerPoint Expert Exams at a Microsoft Certified Testing Center. Arrangement for testing and the cost of the exam are the student's responsibility. Qualified students may enroll for DE credit with Lincoln University and must pass an exit exam that includes content from Computer Applications I in Word and Excel.

Prerequisite: Comp App I**Desktop Publishing (7224)****Grades 10-12****Credit 0.5**

Desktop Publishing utilizes Adobe InDesign, one of the most widely applied desktop publishing software applications in business today. The class will concentrate on writing, editing, and designing professional quality publications. Students will create a portfolio that will integrate text, photos and graphics to create business cards, letterheads, flyers, advertisements, brochures, newsletters, and other personal and business documents. The Windows operating system is utilized, along with Adobe Photoshop for photo and graphics editing, and Microsoft Word for word processing. Digital cameras and a flatbed scanner are available for use for image and photo integration with projects.

Digital Photography (7230)**Grades 10-12****Credit 0.5**

Digital Photography focuses on teaching skills in photography techniques including composition, lighting, editing, special effects, and the use of photographs in various media (i.e., print, web, and video). Curriculum activities will focus on a project or theme, active and experiential learning, and students working collaboratively. Students will develop a portfolio that allows them to explore their personal interests, employment opportunities and educational options. **Prerequisites: Desktop Publishing OR Web Design I**

Entrepreneurship A (7253)**Grades 11-12****Credit 0.5**

Entrepreneurship A begins with an examination of the characteristics and skills possessed by successful entrepreneurs in history. Students will understand the importance of business in our economic system, its contributions to and its functions in marketing activities, such as determining product, setting price, selecting distribution channels, and determining appropriate methods of promotion.

Entrepreneurship B (7254)**Grades 11-12****Credit 0.5**

Entrepreneurship B students will apply principles learned in Entrepreneurship A by starting their own corporation through the Business Education Department. Local business consultants will conduct interviews to appoint department heads and the company president. Each student will be a member of the production, marketing, finance, public relations, or human resources departments. Departments will issue stock, open a bank account, conduct market research, maintain all financial records, and liquidate the corporation. Throughout this process the business consultants visit the class once per week to guide the students through the operation of the business, offering advice and assistance. Along with running the corporation, each student will create a business plan for a service business of his/her choice. **Prerequisite: A "C" in Entrepreneurship A and one other business course.**

Global Business (7245)**Grades 11-12****Credit 0.5**

Global Business introduces students to basic concepts of global economy. Students will demonstrate knowledge about the economic, social, cultural and political influences around the globe. Students will demonstrate cause and effect of economic relations through the study of current events. Also, students will demonstrate an understanding of how products are imported and exported and the importance of international imports and exports.

Introduction to Business (7249)**Grade 9****Credit 1.0**

Introduction to Business is a course designed to introduce students to the concepts of business and leadership to help prepare them for their roles as employees, employers, citizens and leaders within their community while thinking like an entrepreneur. Students will look into business structures and how business impacts the economy in both profit and non-profit organizations. Students will also be given the opportunity to unlock their leadership potential through the development of essential skills necessary for effective leadership.

Intro To Law, Public Safety, Corrections And Security (LPSCS) (7266S) Grades 10-12**Credit .5**

Introduction to Law, Public Safety, Corrections and Security (LPSCS) is the prerequisite for all other courses within the Law, Public Safety, Corrections and Security Pathway. This course provides students with career-focused educational opportunities in various LPSCS fields. It examines the basic concepts of law related to citizens' rights and communicating with diverse groups, conflict resolution, ethics, and report writing. Career planning and employability skills will be emphasized.

Legal Topics (7265)**Grades 10-12****Credit 0.5**

Legal Topics concepts help students develop an understanding of how the law affects people in everyday living and to gain knowledge of legal terms and forms. Several phases of law covered are as follows: Juvenile Law, Legal Business Ownership, Consumer Law, Employment Law, and Immigration Law. From a study of Legal Topics, students should gain a genuine respect and an intelligent appreciation for the law that affects them both at home and at work. **Prerequisite: Business Law I**

Marketing(CME) (9511)**Grades 10-12****Credit 1.0**

Marketing Education (CME) – Marketing is an entry-level marketing course designed to teach the basic principles and functions of marketing. Students will learn how to define and segment a target market. This class will also focus on other marketing principles such as visual merchandising, sales, distribution, and price planning.

Marketing Work Experience (CME) (9512) Grades 10-12**Credit 1.0 or 2.0**

Marketing Work Experience students must concurrently enroll in CME Marketing, be at least 16 years of age, and employed in an approved job by the beginning of each semester. Students receive credit for marketing work experience based on averaging 20 hours of work per week in addition to meeting work experience guidelines.

Personal Finance (7280)**Grades 11-12****Credit 0.5**

Personal Finance deals with skills that are needed to survive in today's complex business world. Students will become more efficient in managing personal and financial affairs. The course teaches soon-to-be independent students how to make it on their own in such areas as economic decision-making, budgeting, banking services, insurance and credit. This course will also include the exploration of career opportunities. This course is a high school graduation requirement.

Honors Personal Finance (7281)**Grades 11-12****Credit 0.5**

Honors Personal Finance meets the state personal finance requirement but emphasizes the competencies more in-depth. Students will learn to make informed decisions relating to their personal financial decisions: apply knowledge about budgeting, banking services, risk management, state and federal taxes, real estate, investments, and credit and consumer laws. Qualified students may enroll for dual enrollment credit with Lincoln University.

Technology Applications (7221)**Grade 9****Credit 0.5**

Technology Application is designed to bring students to the basic level of proficiency in applying technology in an educational setting. Students will demonstrate creative thinking, construct knowledge, and develop projects using appropriate technology applications. Students will be introduced to word processing, spreadsheet applications, presentation media, and internet applications. Student will use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. **Int. Course: Cr. will be earned in English I/Honors English I, Citizenship and Technology App. if successfully completed.**

Video Productions (7226)**Grades 10-12****Credit 1.0**

Video Productions teaches advanced skills and concepts needed to design and edit digital media. The following software applications will be used for instruction: Adobe Photoshop (photos & graphics), Adobe AfterEffects (animation and special effects), Adobe Premiere (video editing), Adobe Encore DVD (DVD authoring), and Adobe Audition (audio editing). Video projects will be exported to various formats (mov, web, avi, DVD, etc.) Students will have access to a professional light and recording studio for projects and utilize a digital camera, flatbed scanner, and camcorder to incorporate digital images, video, audio, and photographs. **Prerequisite: "C" or better in Web Design I or Digital Photography**

Video Production Independent Study (7228)**Grades 11-12****Credit 1.0**

Digital Video-Independent Study is a course where 2-3 students work on school and community video projects as assigned by the instructor. Students are expected to be active members of the Multimedia Club and be available to photograph and videotape school activities and events. Students are also responsible for producing the multimedia components of all school assemblies and the senior video. Selected students must have previously excelled in Video Productions, demonstrate ability to meet deadlines, and have an excellent attendance record. **Prerequisite: Video Production or Broadcast Media & Instructor Approval**

Web Design I (7225)**Grades 10-12****Credit 0.5**

Web Design I is a project-based course designed to teach introductory skills and concepts needed to create and edit web pages. Adobe Photoshop and Dreamweaver software will be utilized to integrate text and graphic images into an independent cumulative website project. Students will learn HTML code, and will be expected to utilize problem-solving skills independently to troubleshoot during the web design process. Prior use of Windows 7 or Windows 10 operating systems is beneficial to success in this course

Web Design II (7227)**Grades 10-12****Credit 0.5**

Web Design II is a course that will allow students the opportunity to increase multimedia skills developed in the Web Design I class. Students will learn advanced web design concepts to create Web-based movies, animation, and websites using Adobe Flash and ActionScript. Adobe Photoshop will be used to edit digital images and photos. **Prerequisite: Web Design I**

Project Lead the Way Practical Art Electives

Computer Science Essentials (7237)

Grade 9

Credit 1.0

In Computer Science Essentials, students 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. They'll apply computational thinking practices, build their vocabulary, and collaborate just as computing professionals do to create products that address topics and problems important to them. Computer Science Essentials helps students create a strong foundation to advance to Computer Science Principles, Computer Science A, and beyond.

AP Computer Science Principles (7214)

Grade 10-12

Credit 1.0

CSE is the first course of the rigorous and relevant four-year PLTW Computer Science sequence. It implements the College Board's CS Principles framework. Using Python® as a 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. CSE helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation.

AP Computer Science A (7213)

Grade 10-12

Credit 1.0

CSA, a PLTW course, focuses on integrating technologies across multiple platforms and networks, including the Internet. Students collaborate to produce programs that integrate mobile devices and leverage those devices for distributed collection and data processing. Students analyze, adapt, and improve each other's programs while working primarily in Java™ and other industry-standard tools. This course prepares students for the AP Computer Science-A course.

Pre-requisites: Computer Science and Software Engineering (CSE), a score of 4 or higher on the CSE End of Course exam, a grade of C- or higher in CSE (Should a student not achieve or meet the pre-requisites, the student must meet with the current PLTW teacher and the PLTW Coordinator to seek approval for the next course in the Computer Science sequence.)

Cyber Security (7268)

Grade 11-12

Credit 1.0

Cyber Security is the capstone in the PLTW Computer Science pathway. This course raises students' knowledge of and commitment to ethical computing behavior. It also aims to develop students' skills as consumers, friends, citizens, and employees who can effectively contribute to communities with a dependable cyber-infrastructure that moves and processes information safely. **Pre-req: AP Computer Science A**

DRIVER EDUCATION

Driver Education (7401T1,7402T2,7403T3, and 7404T4)

Grades 9-12

Credit 0.5

Driver Education is designed to give the student experience and instruction in classroom, simulation, range, and behind-the-wheel driving. **State law requires that the student be 15 (or older) at the time the class begins.** (9th grade enrollment is limited to 1st block, terms 3 and 4.) There is a \$1 fee for student instructional permit.

ELECTIVES

Civil Leadership (5002)

Grades 11-12

Credit 0.5

Civil Leadership is a .5 hour elective course that allows students to learn leadership skills, advantages and disadvantages of varying leadership styles, and to apply leadership skills in a culminating service-learning project. This elective presents students with the opportunity for dual enrollment through Drury University.

Global Studies(7291)**Grades 10-12****Credit 1.0**

Global Studies I serves as the introductory course for the Global Studies Academy. Students will begin to explore 7 of the 15 most critical global issues of the 21st century through interdisciplinary, ProjectBased Learning. Major topics include Sustainable Development & Climate Change, Clean Water, Population & Diminishing Resources, Rich-Poor Gap, Health Issues, Peace & Conflict, and Energy. Students will contextualize all issues globally and locally. They will identify the historical contexts, current status, and future projections of each issue. Students will begin to understand the complex interconnectedness of these issues, and offer actionable solutions that consider all stakeholders, requiring unprecedented international cooperation and self-discipline.

Introduction to Media (7234)**Grade 9****Credit 0.5**

Introduction to Media students are introduced to the different types of media, including print, broadcast, graphic communications, publications, social media and photography. This survey course provides students with broad and varied instruction, ranging from the history of mass media to its contemporary forms and influences. Students gain a knowledge base from which to make decisions on future course selections and academy pathways.

ENGLISH SPEAKERS OF OTHER LANGUAGES**English Speakers of Other Languages I (100)****Grade 9-12****Credit 2.0****English Speakers of Other Languages II (106)****English Speakers of Other Languages III (108)**

The goal of the ESL program is to enable ESL students to become communicative, production participants in the English speaking community and to prepare them to meet the academic needs of the mainstream. This goal is accomplished by implementing and integrated content-based curriculum that focuses on the strategies, vocabulary and concepts used in all mainstream courses. These mainstream skills are taught through special ESL techniques and methods that emphasize reading, writing, listening, and speaking.

FAMILY & CONSUMER SCIENCES**Foods and Nutrition I (7320)****Grades 9-12****Credit 0.5**

Foods and Nutrition I is an introductory course in foods that includes the study of nutrition, basic terminology and equipment, the principles of cookery, and the skills involved in cooking through laboratory experience. Emphasis is given to the study of fruits, vegetables, grains, quick breads, protein foods and meal planning for a healthy diet.

Foods and Nutrition II (7321)**Grades 10-12****Credit 0.5**

Foods and Nutrition II is a culinary course that provides students with the opportunity to analyze good nutrition and wellness, investigate different eating patterns, develop culinary skills, and to apply techniques in decorating cakes.

Pre-requisite: Foods and Nutrition I**Introduction to Hospitality and Tourism Management (7391)****Grade 10-12****Credit 1.0**

Introduction to Hospitality and Tourism Management provides students with broad-based learning on the tasks, knowledge, and skills required by anyone wishing to build a career within the hospitality and tourism industry. The Year One content deals specifically with information required for operational level employees' positions and responsibilities.

Introduction to Human Services (2600)**Grade 9****Credit 1.0**

This is the introductory course to the Human Services Academy. The course will cover basic information for the five pathways of the academy. Customer service is an important component of all occupations in the Human Services Academy. Time will be spent working on 21st century skills of collaboration, communication, research skills, accountability, professionalism, and networking. Guest speakers will present relevant information exposing students to a variety of occupational pathways within this academy. Students will have a culminating project at the end of the semester researching careers of interest to the student.

World Foods (7322)**Grades 10-12****Credit 0.5**

World Foods is a culinary arts course that will teach students to make nutritious food choices, develop culinary skills, and study cultures, customs, and lifestyles throughout the world. **Pre-requisite: Foods and Nutrition I**

Textiles for Living I (7350)**Grades 10-12****Credit 0.5**

Textiles for Living I covers basic skills needed in sewing and clothing care. Attention will be given to working with fabrics, the use of equipment, patterns, sewing machines, and basic hand sewing. At least four projects will be completed and students will learn the elements of design, fibers, and basic clothing functions. This course is recommended for all students considering a career in Fashion Merchandising, Fashion Design, retail clothing sales or any other clothing-related field. **Cost to student includes sewing supplies, patterns, fabric and notions.**

Textiles for Living II (7351)**Grades 10-12****Credit 0.5**

Textiles for Living II gives the student an opportunity to develop advanced skills in sewing and garment construction. The student will construct projects with a higher degree of difficulty than in Textiles for Living I. **Cost to student includes sewing supplies, patterns, fabric and notions. Prerequisite: Textiles for Living I**

Family Leadership (7330)**Grades 10-12****Credit 0.5**

Career and Family Leadership is a project-based course designed to help the student assume leadership roles as responsible family members and citizens, identify strategies to promote healthy lifestyles, develop effective communication skills, develop problem solving skills and identify strategies needed to cope with personal and family crises.

Child Development (7331)**Grades 10-12****Credit 0.5**

Child Development is the study of the development of children. Areas of study will include prenatal care and nutrition, birth, birth defects, developmental stages and care of the young child. Infant simulators will be utilized.

The School Age Child (7332)**Grades 12****Credit 0.5**

The School Age Child is especially designed for students interested in becoming a teacher or childcare professional. The students will study the development of the school age child. They will interpret reasons for individual differences in children and understand their impact on learning. Students will have an opportunity to design and implement an age and developmentally appropriate learning activity. This course is a prerequisite for Education Psychology. **Prerequisite: Enrollment limited to Teaching Academy participants.**

Interior Design and Decorating (7370)**Grades 10-12****Credit 0.5**

Interior Design and Decorating teaches the relationship of art principles to the design of the home and its furnishings. Attention will be given to architectural styles and furniture styles as well as physical, psychological and social influences on housing needs and choices. The study will be reinforced by practical projects and learning activities. This course is recommended for all students who will someday own, rent, or be responsible for a house or apartment. It is especially recommended for the student considering a career in housing, architecture, real estate or interior design.

Intro to Fashion Merchandising (7352S)**Grades 10-12****Credit 0.5**

Introduction to Fashion Merchandising explores how fashion influences everyday life and introduces students to the fashion industry. Topics to be covered will include: fundamentals of fashion, marketing terminology, fashion cycles, key components of the fashion industry, retail merchandise categories, fashion promotion and fashion careers.

FINE ARTS
VISUAL ARTS

Art I (6110)

Grades 9-12

Credit 1.0

Art I is an introduction to the basic fundamentals and skills used in art. Emphasis is on learning to draw and paint with a variety of tools and media.

Art II (6120)

Grades 10-12

Credit 1.0

Art II is designed for the further development of art skills related to two-dimensional artwork. Student will develop intermediate drawing and painting skills, to be used to illustrate the elements and principles of design with a variety of life drawing and painting. Subject matter will include still life, 1 and 2 point perspectives, architectural rendering, and landscapes. Independent problem solving, creative and critical thinking skills, as well as, basic reading and writing skills are necessary for success in this course. **Prerequisite: Mastery of Art I objectives and/or teacher recommendation**

Art III (6121)

Grades 10-12

Credit 1.0

Art III is designed for further development of art skills related to two-dimensional artwork. Students will develop advanced drawing and painting skills, to be used to illustrate the elements and principles of design with a variety of anatomical drawing and paintings. Subject matter will include the human figure, anatomical features, portraiture and self-portraiture, as well as abstractions of anatomy. Independent problem solving, creative and critical thinking skills, as well as, basic reading and writing skills are necessary for success in this course. **Prerequisite: Mastery of Art II objectives**

Art IV (6122)

Grades 11-12

Credit 1.0

Art IV is a highly advanced course of two and three-dimensional art involving independent study of painting and drawing media, as well as the preparation and development of a portfolio. Art careers, art opportunities in the community and art criticism will be researched as unites during the course. **Prerequisite: Successful completion of Art III**

Printmaking (6114)

Grades 10-12

Credit 0.5

Printmaking is an introduction to the basic types of printmaking. Emphasis is on the basic elements of art and how they relate to relief printing and screen printing. Printmaking involved a study of the main areas of printing by hand. Projects are completed using a variety of techniques: drawing, carving, inking, printing, and creating stencils for screen printing. This class will introduce well-known printmakers and explore their techniques as well as a brief history of printmaking

Ceramics I (6115)

Grades 10-12

Credit 0.5

Ceramics I include hand building and wheel throwing, glazing and firing of clay products. The historical background of ceramics and sculpture will be studied as it applies to the students work. **Prerequisite: Art I**

Ceramics II (6116)

Grades 10-12

Credit 0.5

Ceramics II is an in-depth study of the techniques taught in Ceramics I. The course includes hand building and wheel throwing, with an emphasis on the wheel. Students will understand the loading of the kiln for bisque and glaze firing.

Prerequisite: Ceramics I

Ceramics III (6123)

Grades 10-12

Credit 0.5

Ceramics III is a more independent study of the techniques learned in Ceramics I and II. This course used a more conceptual approach, which allows for critical thinking, exploratory methods (including hand-building and wheel throwing), and creative independence. Different types of clay will be explored as well as an introduction to proper firing and glazing. **Prerequisite: Ceramics I & II**

Intro to Photography(7229)**Grade 9****Credit 0.5**

Introduction to Digital Photography students will study the creative art processes of photography with information about the history, aesthetics, and criticism of the photographic media. Students will explore photographic approaches, photographers, and techniques of digital photography including creative experimentation with photo editing and digital enhancement of photographs. Students will also develop an appreciation of contemporary uses of photography. Students will produce a portfolio of their work to include daily assignments, formal reports, special projects, and their top photos taken during the course based on the composition principles learned.

Three-Dimensional Art (6118)**Grades 10–12****Credit 0.5**

Three-Dimensional Art is a course to introduce the methods and materials used to create sculptures and three dimensional art pieces. Projects/units may include the following materials and the methods needed to successfully complete those projects: paper building, basket weaving, wood assemblage, mobiles, paper mache, and other non-conventional objects used to create sculptures. This class will introduce well-known sculpture artists and explore their techniques as well as cover a brief history of sculpture.

PERFORMING ARTS**History of Jazz, Pop and Rock (6211)****Grades 10-12****Credit 0.5**

This course introduces students to the history, theory, and genres of music. The course explores the history of music, from the surviving examples of musical forms through to contemporary pieces from around the early 1920 to current music. We will visit a variety of genres including: jazz, blues, gospel, soul, Motown, folk, bluegrass, country, the evolution of rock and roll and many more.

Introduction to Music Theory (6210)**Grades 10-12****Credit 0.5**

Introduction to Music Theory is designed to give musically interested students basic technical knowledge of reading music and the basic construction of “Western Art Music.” Emphasis is placed on the development of skills necessary to recognize, understand, and describe the basic material and Processes of music that are heard or presented in a score. Fundamental aural, analytical and compositional skills are used with both listening and written exercises. This course provides a secure basis for Advanced Music Theory.

Advanced Music Theory (6214)**Grades 11-12****Credit 0.5**

Advanced Music Theory continues where Intro to Music Theory finishes. In total, both classes together cover the equivalent of one semester of college music theory, which includes elements of pitch, elements of rhythm, introduction to triads and seventh chords, diatonic chords in major and minor keys, principles of voice leading, root position part writing, harmonic progression in part writing and first inversion chords in part writing. **Prerequisite: Introduction to Music Theory or teacher approval.**

Drama I (6310)**Grades 9-12****Credit 0.5**

Drama I is an introductory performance course. Students will develop basic theatrical skills and will study the historical background of theater. Performances will include: pantomime, improvisation, monologues, and duet/triple/quad acting scenes. Since memorization is the foundation of drama; all performances will be memorized.

Drama II (6320)**Grades 10-12****Credit 0.5**

Drama II, a fast-paced performance course, relies upon mastery of vocal, analytical, and movement techniques. Focus is on the student's area of interest whether it is acting, directing, or designing. A variety of performances are included: monologues, duets, musical pantomimes and classical script analysis. Students will write and perform original scripts and will perform published selections. Course work involves self-awareness, character alignment, and text analysis, as well as in-depth characterization activities. Performance is the focus with an emphasis on analysis. **Prerequisite: Drama I**

Competitive Speaking and Interpretation (6330)**Grades 10-12****Credit 1.0**

Competitive Speaking and Interpretation is a general study of the techniques of interscholastic forensics and individual events. Students explore a variety of performance styles such as humorous and dramatic interpretation, duo interpretation, poetry, prose, storytelling, original oratory, informative, and extemporaneous speaking. **Participation in the interscholastic Debate/Forensics program is a requirement and serves as the only prerequisite to taking this course.** The course may be replaced for additional credit. Students in their first two years are required to take this course, but may take it beyond the two years for specialized training if their schedule permits. **SPECIAL NOTE: This requirement may be waived by the instructor under special circumstances.**

Music Appreciation (6410)**Grade 9-12****Credit 0.5**

Music Appreciation is a non-auditioned and non-performance class for students. The purpose of the class is to provide an overview of music without the responsibility of singing/performing. Music Appreciation allows students to explore cultural and historical elements of music. Students will be introduced to a variety of musical skills for performance and critical listening. This course gives non-performance oriented students the opportunity to receive a fine arts credit through the Vocal Music program.

Choir (6420)**Grade 9****Credit 2.0**

Freshman Choir is a performance based choral ensemble composed of 9th grade boys and girls. It is an introductory vocal music class that meets daily for two semesters and performs several times during the school year. Membership in this choir is based upon recommendation of the student's previous middle school music teacher. Students entering Simonsen from another school district may be admitted to the class by recommendation from a previous music teacher and/or individual audition. Certain performances are required. In performance classes, grades will be directly affected by participation in required concerts and other activities.

Concert Choir (6440)**Grades 10-12****Credit 2.0**

Concert Choir is a performance based choral ensemble composed of 10th - 12th grade boys and girls. The Choir performs numerous times throughout the school year for both school and community. Certain performances are required. In performance classes, grades will be directly affected by participation in required concerts and other activities. **Prerequisite: Audition in the spring of the previous school year**

Chorale (6450)**Grades 10-12****Credit 2.0**

Chorale is a performance based choral ensemble composed of 10th through 12th grade boys and girls, designed to be the advanced placement class for the Vocal Music Program. It is a highly select performing group composed of students exhibiting the strongest of musical talents. The Chorale performs extensively for school, community, and frequently travels for performance both out-of-town and out-of-state. Certain performances are required. In performance classes, grades will be directly affected by participation in required concerts and other activities. **Prerequisite: Audition in the spring of the previous school year.**

Concert Band (6511)**Grades 9-12****Credit 1.5**

Concert Band is a performance based instrumental class for students, 9-12. All members of the Concert Band are not required, but are highly encouraged to begin or continue private study outside of the school setting. Students from this ensemble will have the opportunity to audition for the Symphonic Band upon completion of this class. All members of Symphonic and Concert Bands are required to march unless they are a fall athlete or have a medical excuse. **It is also possible to do both Marching Band and Athletics at the same time.**

Symphonic Band (6512)**Grades 10-12****Credit 1.5**

Symphonic Band is a performance based instrumental ensemble designed for advanced placement. Admission into the class is by blind audition in the spring and will utilize the MMEA/MBA All-State Audition cycle for the upcoming school year. A balanced instrumentation is necessary for the group; therefore selection is based off of a blind audition, dependability, desire to perform at a high level and academic standing. All members of the Symphonic Band are not required, but are highly encouraged to begin or continue private study on the outside. All members of the Symphonic and Concert Bands are required to march unless they are a fall athlete or have a medical excuse. **NOTE: It is possible to do both marching band and athletics at the same time.**

Marching Jay Band (6531)**Grades 9-12****Credit 1.0**

Marching Jay Band is a competitive group. All band students are expected to participate in the class, beginning their freshmen year, unless they are a fall athlete or have a physical disability which would prohibit their participation. June music camp and July/August marching camp, as well as school rehearsals and performances, are required. **It is possible to do both marching band and athletics at the same time.**

Jazz Band (6514)**Grades 9-12****Credit 1.0**

Jazz Band offers another performance outlet for our instrumental students. The program is comprised of two groups. There is the auditioned group, which is Jazz I and the volunteer group, which is Jazz II. Both courses are open to students that are enrolled in the instrumental program (band/orchestra). Jazz I will hold auditions in October every year, for that school year. Jazz begins in October and ends in March. Jazz I meets after school M, W and TH. Jazz II meets during zero block on M, W, and F.

Concert Orchestra (6521)**Grade 9-12****Credit 1.0**

Concert orchestra will continue to develop and enhance the student's technical skills and musical concepts through intermediate to advanced music literature selected from a variety of periods. Membership is by audition only. Certain performances are required. In performance classes, grades will be directly affected by participation in required concerts and other activities. **Prerequisite: Auditions in the spring of the previous year.**

Symphonic Orchestra (6523)**Grade 10-12****Credit 1.0**

Symphonic Orchestra will develop advanced technical and interpretive skills, playing music with a variety of key signature, unusual meters, complex rhythms and subtle dynamics through advanced music literature selected from a variety of musical periods. Entrance to the class is by audition only as well as the requirement for a balanced ensemble. Certain performances are required. In performance classes, grades will be directly affected by participation in required concerts and other activities. **Prerequisite: Auditions in the spring of the previous year.**

HEALTH

Health (8210)**Grades 9-12****Credit 0.5**

Health students will gain knowledge to make healthy decisions regarding their personal health and wellness that confronts society today. Instruction includes life management skills, disease prevention and control, mental health, sex education, Tobacco, Alcohol and Other Drugs (TAOD), nutrition, physical fitness, and health related careers. This would fulfill the 0.5 credit of health required to graduate.

Athletic Training and Nutrition (8211)**Grades 10-12****Credit 0.5**

Athletic Training and Nutrition helps physically active students gain the awareness and knowledge of how nutrition, biomechanics, and psychology impact their performance. This will help them to make decisions that will enhance their performance and health. Instruction includes sports nutrition, sports medicine, sports psychology, biomechanics, and its effect on performance, and the prevention of injury and unhealthy habits that might occur during the training process. **Prerequisites: Successful completion of health, current involvement in JCHS athletic program, or be physically involved in an activity outside of school.**

INDUSTRIAL TECHNOLOGY

Civil Engineering and Architecture (7244)

Grades 10-12

Credit 1.0

Civil Engineering and Architecture is the third of the rigorous and relevant four-year PLTW sequence. It is the study of the design and construction of residential and commercial building projects. The course includes an introduction to many of the varied factors involved in building design and construction including building components and systems, structural design, storm water management, site design, utilities and services, cost estimation, energy efficiency, and careers in the design and construction industry. Civil Engineering and Architecture is a high school level course that is appropriate for 10th - 12th grade students interested in careers related to civil engineering and architecture. Other than concurrent enrollment in college preparatory mathematics and science courses, this course assumes no previous knowledge: However, students are encouraged to take the first two engineering courses in the PLTW sequence.

Electricity (7140)

Grades 10-12

Credit 0.5

Electricity/Electronics Technology provides the student with the opportunity to study the fundamentals of electricity and electronics. Areas covered include: basic electrical circuits, basic electrical/electronic theory, symbols, and terminology. Residential house wiring is also studied. This course serves as a good introduction to vocational electronics.

Engineering Design and Development (7295)

Grades 12

Credit 1.0

The knowledge and skills students acquire throughout PLTW Engineering come together in EDD as students identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards, completing EDD ready to take on any post-secondary program or career. **Pre-requisite: Successful completion with a grade of C- or higher in at least two of the three previous engineering PLTW courses offered and a score of 4 or higher on these PLTW End of Course exams (Should a student not achieve or meet the pre-requisites, the student must meet with the current PLTW teacher and the PLTW Coordinator to seek approval for the next course in the Engineering sequence.)**

Introduction to Engineering Design (IED) (7240)

Grade 9

Credit 1.0

This PLTW introductory course to engineering is designed for 9th or 10th grade students, the major focus of IED is the design process and its application. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community.

Metals Technology I (7150)

Grades 10-12

Credit 0.5

Metals Technology I covers the areas of sheet metal, forging, heat treatment, welding, and machine shop practices. The course consists of theory, technology, along with practical project planning and construction. The students gain a basic knowledge of metalwork, machine operations and processes necessary in the industrial world. This course serves as a good introduction to vocational welding and vocational heating, air conditioning and refrigeration classes. **ALL** students will be expected to reimburse the school for expendable materials used. Each student will be required to furnish and wear safety glasses during laboratory work.

Metals Technology II (7151)

Grades 10-12

Credit 0.5

Metal II builds upon the foundation of Metals I with an expansion of theories and principles of problem solving, project design, hand tool/machine use/safety, and welding operations. Students will construct projects designed to further their metalworking skills. **ALL** students will be expected to reimburse the school for expendable materials used. Each student will be required to furnish and wear safety glasses during laboratory work. **Prerequisite: successful completion of Metals Tech I.**

Principles of Engineering (7246)**Grades 10-11****Credit 1.0**

The second of the rigorous and relevant four-course PLTW Engineering sequence exposes students to major concepts they will encounter in a post-secondary engineering course of study. Topics include mechanisms, energy, statics, materials, and kinematics. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, document their work and communicate solutions. **Prerequisite: successful completion of IED**

Woodworking I (7160)**Grades 10-12****Credit 0.5**

Woodworking I is designed to introduce students to the fundamentals of working safely and efficiently with both hand and power woodworking tools. These topics and additional topics to include problem solving, project design and planning, general hand tool and machine safety, and sanding/finishing techniques. Students will construct core projects designed to develop fundamental woodworking skills after completing classroom instruction. ALL students will be expected to reimburse the school for expendable materials used. Each student will be required to furnish and wear safety glasses during laboratory work.

Woodworking II (7161)**Grades 10-12****Credit 0.5**

Woodworking II builds upon the foundation of Woodworking I with an expansion of theories and principles of problem solving, project design, hand tool/machine use/safety, and sanding/finishing techniques. Students will construct projects designed to further their woodworking techniques. ALL students will be expected to reimburse the school for expendable materials used. Each student will be required to furnish and wear safety glasses during laboratory work. **Prerequisite: successful completion of Woodworking I.**

**Jefferson City Public Schools**

Jefferson City High School Diploma
English
Requirement = 4 Credits
Freshman to Sophomore

Perspectives of
Citizenship
36 weeks = 2 credits
(English and Civics)

Honors Perspectives of
Citizenship
36 weeks = 2 credits
(English and Civics)

English II – Lab
2 credits (English
and elective)
(Teacher
recommendation only)

English II
1 Credit

Bio-Lit
2 credits (English and
biology)

Honors English II
1 credit (Outside
assignment required
before course begins)

Jefferson City High School Diploma
English
Requirement = 4 Credits
Junior to Senior

English IIIB
1 credit

English III
1 credit

Pre-AP Literature
1 weighted credit
(Outside assignment
required before course
begins)

AP Language
1.5 weighted credits
(Outside assignment
required before course
begins)

English IVB
1 credit

English IV
1 credit

AP Literature
1.5 weighted credit
(Outside assignment
required before course
begins)

Dual Enrollment
1 credit
(2 college credits
through Lincoln
University available.
Must have ACT
English score of 18 to
enroll.)

LANGUAGE ARTS

English I (1111)

Grade 9

Credit 1.0

English I includes reading literature, reading nonfiction, engaging in the writing process, engaging in speaking and listening opportunities, and developing language skills. Throughout the course, students will also develop research skills and produce various written assignments, including narrative, expository, and persuasive writing. Grammar fundamentals are monitored in writing assignments. The state required End-Of-Course (EOC) exam is administered upon successful completion of this course. **Integrated Course: Credit will be earned in English I/Honors English, Citizenship and Technology Applications if successfully completed.**

Honors English I (1121)

Grade 9

Credit 1.0

Honors English I covers more selections – books and nonfiction – in greater depth than English I classes. Students will also engage in the writing process more frequently to produce narrative, expository, and persuasive writing. To enroll, honors teachers recommend a B+ average in both seventh and eighth grade English and concrete evidence of analytical thinking skills from a writing portfolio. The state required End-Of-Course (EOC) exam is administered upon successful completion of this course. **Integrated Course: Credit will be earned in English I/Honors English, Citizenship and Technology Applications if successfully completed.**

English II (1201)

Grade 10

Credit 1.0

English II curriculum builds on the expository writing skills developed in English I. Students use these writing skills to compose at least one narrative, one explanatory, and one persuasive full process paper. English II also continues the development of skills in the fundamentals of grammar and usage. Literature read and analyzed includes variety in both genre and author. The state required End of Course (EOC) exam is administered upon successful completion of this course. **NCAA approved course.**

English II with lab (1201/ 1212)

Grade 10

Credit 1.0 English/1.0 Elective

English II with Lab curriculum builds on the expository writing skills developed in English I. Students use these writing skills to compose at least one narrative, one explanatory, and one persuasive full process paper. English II with Lab also continues the development of skills in the fundamentals of grammar and usage with extensive review of skills previously introduced. Literature read and analyzed includes variety in both genre and author. The state required End of Course (EOC) exam is administered upon successful completion of this course. **Prerequisite: Approval of English Teacher**

Honors English II (1202)

Grade 10

Credit 1.0

Honors English II adds a greater depth and quantity of writing and literature to the sophomore curriculum and is intended for those students who seek greater academic challenge. They will show their depth of understanding and their logical reasoning skills through numerous analytical five-paragraph essays. Students enrolling in this course need to be self-motivated and independent. Students enrolling in this class should be proficient in the writing of the analytical five-paragraph essay as well as be fluent in the structure of the English language. The state required End of Course (EOC) exam is administered upon successful completion of this course. **PREREQUISITE: This course has an outside assignment due on the first day of the class. This assignment will be available from English I teachers in May.** **NCAA approved course.**

English IIIB (1300)

Grade 11

Credit 1.0

English IIIB is designed for students who continue to read far below grade level. The class emphasis will be to continue to improve student reading comprehension, basic writing skills, and thinking skills through the examination of a variety of reading selections. The students will use the computer for research and the writing of compositions. **This course meets high school graduation requirements for English; this course is designed to prepare students for the work force and to explore career options; however, it is not designed to prepare students to attend a junior college or a four-year college or university.**

English III (1301)**Grade 11****Credit 1.0**

English III will provide students with reading and written language skills to facilitate lifelong communication. English III provides the student with knowledge of American Literature and higher-level skills on composition. Reading and writing assignments are designed to enhance reading comprehension, to improve analytical reasoning, to increase critical thinking, and to familiarize the students with a core group of authors and works in American Literature. **NCAA approved course.**

Pre-AP English Literature (1304)**Grade 11****Credit 1.0**

Pre-AP English Literature adds a greater depth and quantity of writing and the study of American Literature to the junior curriculum and is intended for those students who seek a greater academic challenge. They will show their depth of understanding and their logical reasoning through numerous analytical essays. Students enrolling in this course need to be self-motivated and independent. Students enrolling in this class should be proficient in the writing of the analytical essay as well as be fluent in the structure of the English language. Since this is an “AP” course, grades will be weighted; however, no college credit opportunity is offered for this course. **This course meets high school graduation requirements for English and is designed for the student who plans to take AP English Literature or English IV Dual Enrollment and who plans to attend a four-year college/university. PREREQUISITE: This course has an outside assignment due on the first day of the class. This assignment will be available from current Pre-AP teachers in May.** **NCAA approved course.**

AP English Language & Composition (1302)**Grade 11****Credit 1.5**

AP English Language and Composition provides challenging work for students who wish to delve deeply into the study of argumentation through an analysis of nonfiction, primarily augmented with several selections from the imaginative genres. This course differs from English III by providing complex rhetorical and writing strategies, challenging critical reading and analytical writing assignments, accelerated coverage of content, short-term and long-term assignments and in-depth original research. Enrolled students should possess a love for critical reading, competence in analytical writing strategies, language usage, mechanics, organization and logic; self-motivation to meet high expectations; self-discipline in study habits and time management; and eagerness for learning and class participation. This course prepares the student to take the AP English Language exam in May for which they may earn college credit. **PREREQUISITE: This course has an outside assignment due on the first day of the class. This assignment will be available from the current AP English Language and Composition teacher in May.** **NCAA approved course.**

21st Century Communications (5331)**Grade 11-12****Credit 0.5**

Students enrolled in 21st Century Communication will study, utilize, and assess modern mediums of communication. This will include in-depth studies and analysis of fiction and nonfiction from current podcasts and other media. By utilizing 21st century presentation skills and storytelling skills, students will communicate through writing and recording podcasts, as well as making infographics based on research.

Childrens and Young Adult Literature (1420)**Grade 11-12****Credit 0.5**

Children’s and Young Adult Literature introduces topics and trends in this field to students who wish to develop an understanding of the psychology, development, and education of children and young adults. Students will research, analyze, and collaborate with others both within and without our building to study the field of children’s literature. Collaboration with local schools and libraries and possibly local businesses will be essential to this course as students can visit these areas and also use technology to communicate with younger students in the district about their interests in reading and their responses to what they read. Students interested in psychology and education will better understand at what points students express interest in various topics, study how the trends in current and past literature reflect the needs of students at various ages and times, and the role censorship plays in the field of literature for youth. Activities will include an in-depth study of various examples of literature and analysis of them in relation to their effectiveness in the development of children as well as research, presenting, and writing using informational texts and field study.

Creative Writing (1305)**Grade 11-12****Credit 0.5**

Creative writing requires students to have an understanding of current and historical events as they relate to others and themselves. By internalizing information and assigning it a human association, the students will develop a broader perspective of local, national, and international issues, making them more prepared to address the challenges of an ever-changing world. In the Fine Arts and Communication Academy, many students have taken pathways that allow for self-expression, whether it is through music or communication. A creative writing course would be attractive to learners who have an intrinsic motivation to personalize their pursuits. Participation in the course would also develop skills that enhance a student's academic performance in courses such as broadcasting, journalistic writing, music and art. Activities will include the study of fiction, drama, and poetry; the composition process; and the writing techniques that make reading engaging. Students will develop collaboration skills by assessing work produced by peers and themselves. Through the exchange of criticism and dialogue, students will gain experience in interpersonal activities to benefit themselves and others.

Mystery, Suspense and Horror (1400)**Grades 11-12****Credit 0.5**

Mystery, Suspense and Horror, a reading intensive class, will illustrate the use of mystery, suspense and horror primarily through literature. Students will be given the opportunity to analyze numerous selections individually and/or in small groups. Although this is NOT a writing intensive course, students will be given the chance to write a well-planned mystery and one critical analysis. A variety of activities will be used to sharpen critical, logical and creative thinking skills. This course is designed for the student who wishes to continue his study of literature and language but does not need a college preparatory class. **NCAA approved course.**

World Literature (1425)**Grade 11-12****Credit 0.5**

World Literature is a course that engages in the study of imaginative literature from cultures all around the world.

African-American Literature (1123)**Grade 11-12****Credit 0.5**

African-American Literature is a course designed to introduce students to the genre while analyzing its change through time. Through reading and analyzing texts, students will engage in academic discussions that seek to both understand the works in context and their relevance to our lives today. Students will be asked to stretch their critical thinking and writing skills in this course. This course is designed for students who like to read, who have an appreciation for literature with a clear voice, and who seek to become life-long readers.

English IVB (1411)**Grade 12****Credit 1.0**

English IVB is a senior English class designed for those students entering the workforce. The writing process will be followed for three required papers. The course will include units on grammatical elements, sentence structure, and literature units. Other pieces of fiction and nonfiction will be included for reading and writing instruction as needed to strengthen skills in reading, writing, and thinking. Students cannot receive college credit for this course, as it is not offered for dual enrollment. **This course meets high school graduation requirements for English; this course is designed to prepare students for the work force and to explore career options; however, it is not designed to prepare students to attend a junior college or a four-year college or university. Prerequisite: English IIIB**

English IV (1412)**Grade 12****Credit 1.0**

English IV is a senior English class designed for those students entering the work force, a junior college, or a four-year college or university. The writing process will be followed for three required papers. The course will include units on grammatical elements, sentence structure, Greek and Latin roots, and literature units from British literature including Beowulf, Lord of the Flies, and Macbeth. Other pieces of fiction and nonfiction will be included for reading and writing instruction as needed to strengthen skills in reading, writing, and thinking. Students cannot receive college credit for this course, as it is not offered for dual enrollment. **Prerequisite: Successful completion of English III, Pre AP English Literature or AP Language and Composition. NCAA approved course.**

English 101 (1414)**Grade 12****Credit 0.5**

English 101 is a dual credit English course focusing on personal, descriptive, and narrative types of essay writing. Student will have the opportunity to earn three college credits through Lincoln University. Students must take the ACT before the beginning of the course and make at least a score of 18 on the English portion of the ACT and have a 3.0 g.p.a. to take the class for dual enrollment through Lincoln University. **Prerequisite: Successful completion of English III, Pre AP English Literature or AP Language and Composition and a 3.0 GPA. NCAA approved course.**

English 102 (1415)**Grade 12****Credit 0.5**

English 102 is a dual credit English course focusing on argumentative and persuasive writing. Students will have the opportunity to earn three college credits through Lincoln University. **Prerequisite: Grade of C or higher in English 101 Dual enrollment. NCAA approved course.**

AP English Literature (1405)**Grade 12****Credit 1.5**

AP English Literature is a college level class for students who want to read challenging literature with an in-depth analytical approach. It includes the reading of and written analysis of British poetry, novels, and drama. The student enrolling in this class should be a superior reader of difficult literature, have a firm background in literary analysis, and have a high proficiency level in the areas of mechanics, grammar, organization, and logic. Written analysis will be based on literature studied in class as well as literature read independently of class study. This course prepares the student to take the AP English Literature exam in May for which they may earn college credit. **PREREQUISITE: This course has an outside assignment due on the first day of the class. This assignment will be available from the current AP English Literature teacher in May. NCAA approved course.**

LANGUAGE ARTS ELECTIVES**Journalistic Writing (1303)****Grade 9-12****Credit 1.0**

Journalistic Writing is designed for students who are interested in journalism and who intend to participate in Journalistic Production. The course provides activities in news, feature, sports, in-depth, and opinion writing; ethics and media law; interviewing; researching and page design. There will also be opportunities for learning photography and advertising. This course carries an English credit and serves as a prerequisite for acceptance in Journalistic Production, which publishes the school newspaper and yearbook. Seniors must have the instructor's approval to take this course. **Journalistic Writing is an elective credit and is a prerequisite for Journalistic Production. NCAA approved course.**

Journalistic Production (1408 *Red & Black*) (1410 *Marcullus*)**Grades 11-12****Credit 2.0**

Journalistic Productions is a full-year course in which students produce the *Red & Black* or *Marcullus*. In a hands-on laboratory setting, students use technology to highlight the fundamentals of journalistic writing, photojournalism, graphic design, marketing, and advertising sales. Since the course is co-curricular, students are required to use time in and out of class to fulfill requirements and meet production deadlines. All students, including transfer students, must have adviser's approval to take this course. Journalistic Production is a universal elective course. **Journalistic Production may be applied as a Practical Arts or an Elective credit. Prerequisite: Before enrolling in Journalistic Production-Yearbook, students must successfully complete at least one or more of the following: Journalistic Writing, Desktop Publishing, Digital Photography.**

SPEECH**Interpersonal Communication (5330)****Grade 9****Credit 0.5**

Interpersonal Communication will focus on the development of the interpersonal communication skills for building and maintaining positive relationships in both a personal and professional environment. Topics of study include an orientation to interpersonal communication, verbal and nonverbal communication, perception of self and others, listening, managing conflict, response skills, self-disclosure, ethics in interpersonal communication, cultural and gender considerations, and characteristics of leadership in effective work groups. Students will learn how to listen more effectively, respond more appropriately to what others have said and how to maintain and develop good interpersonal relationships with their families, peers, and colleagues in the workplace.

Speech I (5550)**Grades 9-12****Credit 0.5**

Speech I is concerned with the fundamentals of communication. It is a public-speaking course designed around the idea that we learn to speak by speaking. It contains a balance of both theory and practice. Speeches are given to peers that have been researched and rehearsed. Students will regularly stand in front of peers and deliver speeches. This is a performance-based class where grades are determined from performances. **NCAA approved course.**

Speech II (5551)**Grades 10-12****Credit 0.5**

Speech II explores communication on an intrapersonal level as well as an interpersonal level. An emphasis will be placed on the speaker in small group situations. This course will give a practical application of how to communicate within the real-life world of meetings and relationships. Students will regularly stand in front of peers and deliver speeches. This is a performance-based class where grades are determined from performances. **Prerequisite: Speech I. NCAA approved course.**

Debate I (5552)**Grades 10-12****Credit 0.5**

Debate I is a course designed to develop student's beginning awareness, understanding, and application of language arts as it applies to oral communication. Emphasis is focused on teaching students the proper procedures of debate and the artful crafting of argumentation. This course is designed to prepare students for tournament competition. **Prerequisite: Speech I NCAA approved course.**

Debate II (5553)**Grades 10-12****Credit 0.5**

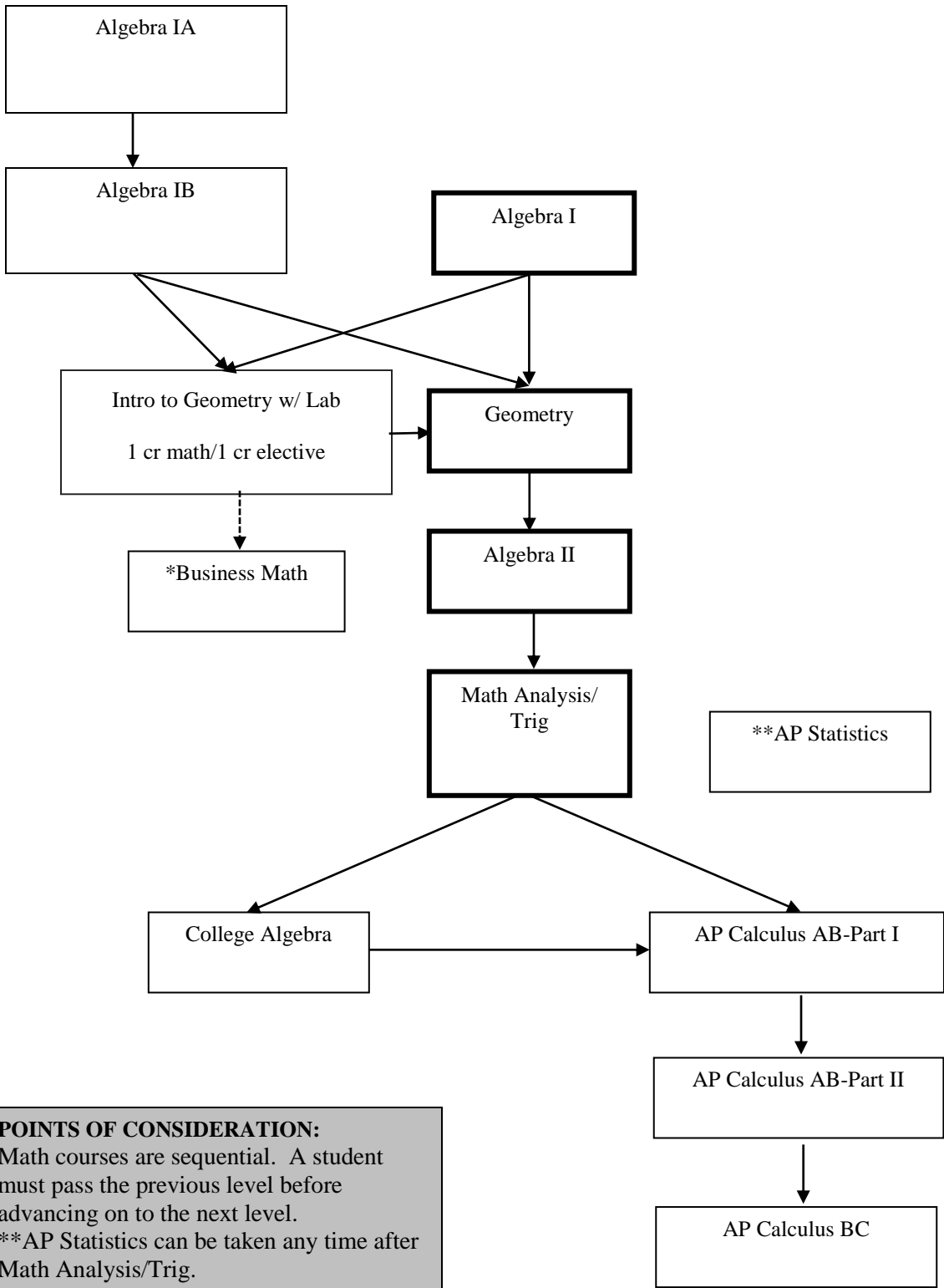
Debate II is designed to further develop and enhance debating skills taught in Debate I. Students will enhance their research, analysis, and communication skills to further develop defensible positions against a debate topic relevant to society. This course is designed for students wishing to take their debating skills to the competitive level. Students will be required to participate in in-class debates, after-school practices with the debate tournament, and travel with the debate team to compete in scholastic tournaments. Participation in the above help determine the student's grade. **Prerequisite: Debate I (Students may receive an instructor recommendation to skip Debate I and enter Debate II) NCAA approved course.**

INTEGRATED COURSES**BioLit (1201 & 4200)****Grades 10****Credit 1.0 in English II and 1.0 in Biology**

Bio Lit combines the objective of English II and Biology in a variety of ways. With the availability of increased amounts of technology and a focus on group collaboration, students in BioLit work more independently from the teacher. All subjects that would be addressed in a regular English or Biology class are also taught in BioLit. Through integrated teaching, students will learn the following English skills: research skills, reading analysis, vocabulary, proper grammar and usage in addition to writing a research paper and a literary analysis paper. Students will also learn the following biology concepts: scientific method, ecology, genetics, cell structure and function, and adaptation. The state required End of Course (EOC) exams for English II and Biology are administered upon completion of this course. **NCAA approved course.**

**Jefferson City Public Schools**

Jefferson City Public Schools Mathematics



POINTS OF CONSIDERATION:

1. Math courses are sequential. A student must pass the previous level before advancing on to the next level.
2. **AP Statistics can be taken any time after Math Analysis/Trig.
3. *Business Math is a senior level course ONLY, for students who still need to meet graduation requirements.

MATHEMATICS

Pre Algebra (3117)

Grade 9

Credit 1.0

Pre-Algebra is a course designed to provide opportunities for students to expand their eighth grade algebra skills and bridge the transition into Algebra 1. The content emphasizes number sense, solving equations, and functions, along with graphing and writing linear equations. This course is foundation to preparing for tomorrow's world by exploring and discovering math concepts, connecting algebra to the real world and future courses and careers

Algebra IA (3121) and Algebra IB (3152)

Grade 9-12

Credit 2.0

Algebra IA/IB is the Algebra I curriculum over 36 weeks. It is a course designed to prepare students for tomorrow's world by involving them in exploring and discovering math concepts, connecting algebra to the real world and to other subjects and math topics, and by building an understanding of the concepts that provide a strong foundation for future courses and careers. The content emphasizes graphing and solving equations/inequalities, factoring, quadratic functions, exponential functions, systems of equations/inequalities, statistics, and data analysis through the integration of technology as a problem-solving tool. Algebra IA/IB is the foundation for higher mathematics courses. The state required End of Course (EOC) exam is administered upon successful completion of this course. **NCAA approved course only 1.0 credit total.**

Algebra I (3131)

Grade 9

Credit 1.0

Algebra I is a course designed to prepare students for tomorrow's world by involving them in exploring and discovering math concepts, connecting algebra to the real world and to other subjects and math topics, and by building an understanding of the concepts that provide a strong foundation for future courses and careers. The content emphasizes graphing, solving equations and inequalities, working with radicals, data analysis, probability, and functions through the integration of technology as a problem-solving tool. Algebra I is the foundation for higher mathematics courses. The state required End of Course (EOC) exam is administered upon successful completion of this course.

Intro to Geometry with Lab (3139 & 3140) Grades 10-12 Math Credit 1.0 Elective Credit 1.0

Introduction to Geometry with Geometry Lab connects Geometry to Algebra. Specific topics include transformations, polygons, Cartesian coordinate system, area of plane figures, and surface area and volume of solids. This is a course for students to practice prerequisite Algebra I skills while exploring new Geometry concepts. **Prerequisite: Below a C-average in Algebra IA/IB or Algebra I.**

Geometry (3141)

Grades 9-12

Credit 1.0

Geometry emphasizes reasoning and logical thinking. This course connects geometry to algebra, data analysis, probability, and trigonometry. Specific topics include transformations, polygons, Cartesian coordinate system, area of plane figures, similarity, right triangle trigonometry, surface area and volume of solids and circles. This is a course for students who expect to continue their study of mathematics in high school, technical school, or college. The state End of Course (EOC) exam is administered upon successful completion of this course. **Prerequisite: Successful completion of Algebra IA and IB or Algebra I, or Algebra Topics. NCAA approved course.**

Business Math (3150)

Grade 12

Credit 1.0

Business Math is a course where students will learn the mathematics needed to manage money. Basic math skills and formulas will take students through step-by-step processes addressing wages, taxes, banking, recordkeeping, cash and credit cards, loans, housing, purchasing a vehicle, insurance and investments. Each unit includes a project that allows students to demonstrate their understanding of the concepts presented.

Algebra II (3162)

Grades 9-12

Credit 1.0

Algebra II is a course that builds upon skills developed in previous math courses. It is largely a study of functions including polynomial, radical, rational, exponential, logarithmic, cubic, piecewise, step, and absolute value. Other topics include complex numbers, operations with functions, and sequences & series. Intermittent reviews of selected Algebra I topics will occur throughout the course. This is a course for students who plan to continue their study of mathematics in high school, technical school, and/or college. **Prerequisite: "C" or higher in Geometry or teacher approval. Requires: TI-83 (or newer) graphing calculator. NCAA approved course.**

- Math Analysis and Trigonometry (3170)** **Grades 10-12** **Credit 1.0**
 Math Analysis and Trigonometry is a pre-calculus course and offers an analytic study of and a graphical approach to many of the concepts introduced in prerequisite courses. This course concentrates primarily on trigonometry functions and graphs, but also includes conics, probability, and statistics. This course is for students who expect to continue the study of mathematics in college. **Prerequisite: Successful completion of Alg II. Required: TI-83/84 Graphing Calculator (approximately \$80). NCAA approved course.**
- College Algebra (3180)** **Grades 10-12** **Credit 1.0**
 College Algebra concentrates on the study of properties and graphs of polynomial functions. Solutions of various polynomial, rational, and radical equations and inequalities will be studied, as well as solutions to systems of inequalities. Sequences and series will also be topics of study. Qualified students may enroll for college credit through dual enrollment with Lincoln University. **Prerequisite: Math Analysis and Trigonometry. A TI-83/84 calculator is required of each student (approximately \$80). NCAA approved course.**
- AP Statistics (3190)** **Grades 11-12** **Credit 1.0**
 Advance Placement Statistics is a course equivalent to a one-semester introductory non-calculus based course in statistics for students who are planning on majoring in mathematics, engineering, psychology, sociology, science, or business. Topics to be studied include: exploring data-observing patterns and departures, planning a study using experimental designs, anticipating patterns by producing models using probability and simulations, and statistical inferences. In addition to solving problems, students will utilize mathematical and statistical writing techniques. This course prepares the student for the AP Statistics Exam. Qualified students may earn college credit through dual enrollment with Lincoln University. Recommended for juniors who will be taking science research class their senior year. **Prerequisite: Successful Completion of Math Analysis/Trigonometry. Required: TI-83/84 Graphing Calculator (approximately \$80). NCAA approved course.**
- AP Calculus AB I (3200)** **Grades 11-12** **Credit 1.0**
 AP Calculus AB I provides an introduction to limits, derivatives, and integrals, as well as some applications of the above. Emphasis is placed on numerical, graphical, and analytical approaches to problems. Completion of AP Calculus AB Part I and Part II prepares a student to take the AP Calculus AB exam or to enroll for dual credit through Lincoln University. **Prerequisite: Math Analysis/Trigonometry. A TI-83/84 graphing calculator is required (approximately \$80). NCAA approved course.**
- AP Calculus AB II (3201)** **Grades 11-12** **Credit 1.0**
 AP Calculus AB II is a study of applications of derivatives and integrals in graphing, areas, volumes of solids of revolution, differential equations, exponential growth and decay, displacement, optimization problems, and related rates. Completion of this course along with AP Calculus AB I, will prepare students to take the AP Calculus AB exam or to enroll for college credit through dual enrollment with Lincoln University. **Prerequisite: AP Calculus AB I. A TI-83/84 graphing calculator is required (approximately \$80). NCAA approved course.**
- AP Calculus BC (3202)** **Grade 12** **Credit 1.0**
 AP Calculus BC is the third course offered in the Calculus sequence. It covers polar and parametric equations, vector equations, sequences and series and the applications of calculus to these new concepts. It also covers slope field, Euler's Method of solving differential equations, logistics equations, and other topics. Completion of this class, along with AP Calculus AB II, will prepare students to take the AP Calculus BC test and/or to receive dual credit for Calculus II through Lincoln University. **Prerequisite: AP Calculus AB II. A TI-83/84 graphing calculator is required. NCAA approved course.**

PHYSICAL EDUCATION

Physical Education (8115)

Grade 9

Credit 0.5

9th Grade Physical Education consists of: fitnessgram testing, volleyball, ultimate frisbee, floor hockey, badminton, pickleball, shuffleboard and boater safety.

Advanced Strength Training (8181)

Grades 10-12

Credit 0.5

Advanced Strength Training is designed for the athlete who wishes to improve their performance through the use of strength training and agilities. Students should expect a demanding routine of daily lifting, flexibility, and conditioning. **Students must be a JCHS athlete or have the prerequisites of Body Conditioning I and Body Conditioning II to enroll.**

Body Conditioning I (Co-ed) (8130)

Grades 9-12

Credit 0.5

Body Conditioning I consists of using weight lifting equipment, improving flexibility, performing agility exercises and aerobic conditioning. Students will learn the fundamentals of weight lifting, flexibility, and improving body strength. Students will be taught and practice safe lifting techniques. Each student will develop fitness goals and individual workouts. They will learn about safety in spotting and breathing mechanics.

Body Conditioning II (Co-ed) (8131)

Grades 10-12

Credit 0.5

Body conditioning II is intended as a follow-up course to Body Conditioning I. In this course the students will gain increased knowledge and experience in body conditioning. The students will train using plyometrics, advanced cardiovascular conditioning, and flexibility. They will also learn how to create their own workout. **Prerequisite: Body Conditioning I unless you are a JCHS athlete.**

Dance I (Co-ed) (8140)

Grades 10-12

Credit 0.5

Dance I offers folk, line, hip hop, square and contemporary dancing. Students will engage in daily fitness exercises, stretching, running and fitness walking.

Dance II (Co-ed) (8141)

Grades 10-12

Credit 0.5

Dance II offers ballroom and social dancing. Students will engage in daily fitness exercises, stretching, running and fitness walking.

Walking/Jogging (Co-ed) (8142)

Grades 10-12

Credit 0.5

Walking/Jogging is a physical education course that is designed for students to earn their physical education credit by participating in a daily walking program. Students will be expected to participate daily, keep an exercise record sheet, and analyze their performance throughout this 9 week course. Training for fitness testing will be done daily. Students will be expected to participate in all types of weather in an outdoor environment. Scheduled off campus trips are included.

Team Sports for Boys (8160)

Grades 10-12

Credit 0.5

Team Sports offers the following units: FitnessGram testing, wiffle ball, basketball, ultimate football, ultimate frisbee, speedball, volleyball, and soccer. Emphasis will be on rules, strategy, skills, and sportsmanship in each area. Daily fitness activities will be incorporated in the class.

Team Sports for Girls (8161)

Grades 10-12

Credit 0.5

Team Sports offers the following units: FitnessGram testing, wiffle ball, basketball, ultimate football, ultimate frisbee, speedball, volleyball, and soccer. Emphasis will be on rules, strategy, skills, and sportsmanship in each area. Daily fitness activities will be incorporated in the class.

Individual Sports (Co-ed) (8170)

Grades 10-12

Credit 0.5

Individual Sports offers the following units: FitnessGram testing, Archery, Golf, Table Tennis, Badminton, Pickleball, Bowling, and Yoga. Daily fitness activities will be incorporated in the class. Scheduled off campus trips are included.

Lifetime Sports and Fitness (Co-ed) (8180)

Grades 10-12

Credit 0.5

Lifetime Sports and Fitness is designed for those students who wish to engage in a variety of sports related activities, a daily exercise, and a fitness routine. Activities will include pickleball, badminton, table tennis, yoga, bowling, weight training, swimming, and the pacer test. Students will receive instruction in heart rate monitoring, stress relief through exercise, and nutrition. Intense exercise is expected and performed daily. Scheduled off campus field trips are also included.

PE Wellness (Co-ed) (8190)

Grade 10-12

Credit 1.0

PE Wellness is a community-based course that features hands-on activities for health education and physical wellness. Counselor recommendation is required.



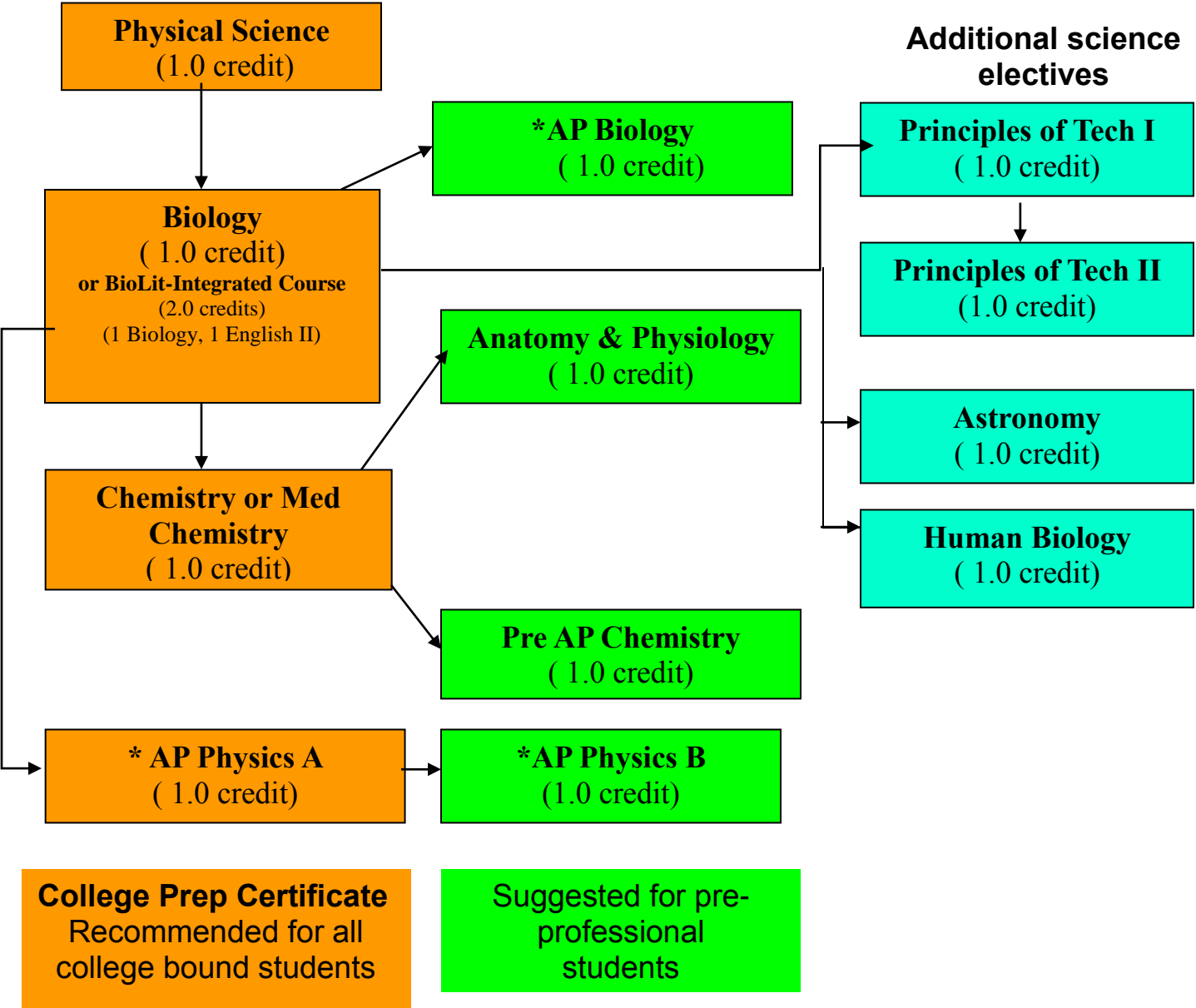
Jefferson City Public Schools



Jefferson City High School Diploma

Science

Requirement = 3 Credits



*Dual Credit- Lincoln University

SCIENCE

- Biology (4200)** **Grades 10-12** **Credit 1.0**
Biology is a required laboratory course. Topics studied include: experimental design, genetics, cell structure and function, evolution, and ecology. Practical lab assessments are required of all students. All rooms house live and preserved animals, which may affect allergies. The state required End of Course (EOC) exam is administered upon completion of this course. **Prerequisite: Physical Science. NCAA approved course.**
- Human Biology (4142)** **Grade 10-12** **Credit 1.0**
Human Biology is a laboratory course covering the fundamentals of body systems. The body systems surveyed in 12 units are: Integumentary, Skeletal, Muscular, Nervous, Cardiovascular, Respiratory, Digestive, Urinary, and Respiratory. Mandatory dissection and practical lab assessments are required in the course. **Prerequisite: Biology. NCAA approved course.**
- Physical Science (4125)** **Grade 9-10** **Credit 1.0**
Physical Science is an introductory science course. Upon completion, students will have a general understanding of Motion and Stability, Energy, Structure and Properties of Matter, Chemical Reactions, and Earth and the Universe.
- Principles of Technology I (4130)** **Grades 10-12** **Credit 1.0**
Principles of Technology I is a course in physics for those who intend to pursue careers as technicians -- or just to keep pace with advances in modern technology. PT I focuses on the scientific principles in each of the basic energy systems -- mechanical, fluid, electrical, and thermal. Students will receive Physics principles that they can use if they go on to take Physics in high school, technical school, college, or if they enter the job market. **Prerequisite: Biology. NCAA approved course.**
- Principles of Technology II (4131)** **Grades 11-12** **Credit 1.0**
Principles of Technology I is a course in physics for those who intend to pursue careers as technicians -- or just to keep pace with advances in modern technology. PT I focuses on the scientific principles in each of the basic energy systems -- mechanical, fluid, electrical, and thermal. Students will receive Physics principles that they can use if they go on to take Physics in high school, technical school, college, or if they enter the job market. **Prerequisites: Principles of Technology I. NCAA approved course.**
- Introduction to Astronomy (4300)** **Grades 11-12** **Credit 1.0**
Introduction to Astronomy is a Junior/Senior level science course. Students will be introduced to a variety of topics regarding our Solar System and the Universe. They will survey constellations, investigate our solar system, and discuss star and galaxy formation. Internet research is required. **Prerequisite: C- or better in Algebra I. NCAA approved course.**
- Chemistry (4400)** **Grades 10-12** **Credit 1.0**
Chemistry is a college-preparatory laboratory course designed to help the student develop problem-solving and analytical thinking skills. Course content includes the study of atomic models, electron arrangement, the periodic table and trends, chemical bonding, inorganic formula writing and nomenclature, chemical equations, scientific measurements, states of matter, Gas Laws, and solutions. Emphasis is placed upon the interpretation and analysis of data collected from laboratory experiments. **Prerequisite: Completion of, or concurrent enrollment in Algebra II. NCAA approved course.**
- Chemistry (Medical) (4402)** **Grade 10-12** **Credit 1.0**
Chemistry (Medical) is a college-preparatory laboratory course designed to help the student develop problem-solving and analytical thinking skills as they explore the topics in the medical field. Course content includes the study of atomic models, electron arrangement, the periodic table and trends, chemical bonding, inorganic formula writing and nomenclature, chemical equations, scientific measurements, states of matter, Gas Laws, and solutions. Enrollment in the course meets the requirement for Medical Academy **Prerequisite: Completion of, or concurrent enrollment in Algebra II, or recommendation of Medical Biology teacher. NCAA approved course.**

Pre AP Chemistry (4401)**Grades 11-12****Credit 1.0**

Pre AP Chemistry is a college-prep course designed to help the student develop problem-solving and analytical thinking skills. Course content includes chemical formulas and nomenclature, atomic structure, stoichiometry, types of reactions, thermochemistry, chemical kinetics, chemical equilibrium, acids/bases, solution equilibrium, bonding, molecular geometry, and organic chemistry. Emphasis is placed upon the interpretation and analysis of data collected from AP recommended laboratory experiments. This course along with Chemistry I prepare the students to take the AP Chemistry exam in May for which they may earn college credit. **Prereq: C Average in Chemistry. NCAA approved course.**

AP Physics A (4500)**Grades 11-12****Credit 1.0**

Physics A is a college-preparatory laboratory course designed to help the student develop problem-solving and analytical thinking skills. The content of the course includes the qualitative and quantitative interrelationships of force and motion, energy, gravity, simple harmonic motion, mechanical waves, and sound. **The course is a prerequisite for AP Physics B. Qualified students may enroll for dual enrollment through Lincoln University. Prerequisite: C in Geometry. NCAA approved course.**

AP Physics B (4501)**Grades 11-12****Credit 1.0**

AP Physics B is a college-preparatory writing intensive, laboratory course designed to help the student develop problem-solving and analytical thinking skills. AP Physics B will prepare students for the AP Physics 2 exam. Course content includes electricity and magnetism, the nature of matter, the nature of light, nuclear radiation and radioactivity, quantum mechanics, special and general relativity, and the standard model of fundamental particles and interactions. Qualified students may enroll for dual enrollment through Lincoln University.

Prerequisites: C average in Physics A. NCAA approved course.

AP Biology (4202)**Grades 11-12****Credit 1.0**

AP Biology is a college preparatory laboratory course designed to expose students to a wide range of lab techniques and experiences. AP Biology expands upon the topics of general biology to meet the requirements of the College Board. Practical lab dissection assessments are required, as students are introduced to college-level dissection strategies. Independent work is required in many areas including extended work in: Evolution and Diversity of Life, Homeostasis within Biological Systems, Information in Living Systems and interactions within Biological Systems, Information in Living Systems and Interactions within Biological Diversity. Chemistry is strongly recommended. This course prepares the student to take the AP Biology exam. Qualified students may enroll for dual enrollment through Lincoln University.

Prerequisite: C average in Biology and either Chemistry or concurrent enrollment NCAA approved course.

Anatomy and Physiology (4203)**Grades 11-12****Credit 1.0**

Anatomy and Physiology is an advanced, college preparatory class that is designed to prepare students interested in medicine for a rigorous schedule in a pre-professional college program, or a professional health science program, including animal or veterinary science; athletic training and sports medicine; speech, occupational, or physical therapy nursing, etc. It is also helpful for students who need knowledge of the human body for such diverse careers as physical education or computer graphics. This is a laboratory intensive course that will develop a thorough knowledge and understanding of the anatomy and physiology of human body systems, and the study skills necessary to learn complex terminology and concepts. An in-depth dissection of a preserved cat is required. **Previous or concurrent enrollment in AP Biology is recommended. Prerequisite: C average in Biology and C average in Chemistry. NCAA approved**

INTEGRATED COURSES**BioLit (1201 & 4200)****Grades 10****Credit 1.0 in English II and 1.0 in Biology**

Bio Lit combines the objective of English II and Biology in a variety of ways. With the availability of increased amounts of technology and a focus on group collaboration, students in BioLit work more independently from the teacher. All subjects that would be addressed in a regular English or Biology class are also taught in BioLit. Through integrated teaching, students will learn the following English skills: research skills, reading analysis, vocabulary, proper grammar and usage in addition to writing a research paper and a literary analysis paper. Students will also learn the following biology concepts: scientific method, ecology, genetics, cell structure and function, and adaptation. The state required End of Course (EOC) exams for English II and Biology are administered upon completion of this course. **NCAA approved**

Science Electives

Human Body Systems (9404)

Grade 10-12

Credit 1.0

The second of the rigorous and relevant four-course PLTW Biomedical Science sequence allows students to investigate the roles of biomedical professionals as they examine the structures and interactions of the human body systems and explore prevention, diagnosis, and treatment of disease, all while working collaboratively.

Pre-requisite: Principles of Bio-Med

Introduction to Health Services (9402)

Grade 9

Credit 0.5

Introduction to Health Services is a freshman level course designed to orient students to the opportunities available in the Health Services field. In exploring these opportunities students will be exposed to professionalism and characteristics of the workplace; such topics will be tailored to the Health Service Academy, but will also benefit students who choose to pursue careers in other fields. Students will explore the four Health Services Academy pathways, which include Therapeutic Services and Rehabilitation, Health Professional Services, Health Support Services, and Biotechnology, Informatics and Health Administration. Topics to be studied will be career and educational requirements for a range of professions in each of the four pathways. A personal portfolio will be the outcome of this Project-Based Course.

Medical Innovations (9405)

Grade 10-12

Credit 1.0

The third of the rigorous and relevant four-course PLTW Biomedical Science sequence allows students to follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. **Pre-requisites: Human Body Systems (HBS), a score of 4 or higher on the HBS End of Course exam, a grade of C- or higher in HBS (Should a student not achieve or meet the pre-requisites, the student must meet with the current PLTW teacher and the PLTW Coordinator to seek approval for the next course in the Biomedical Science sequence.)**

Medical Terminology (9403)

Grade 10-12

Credit .50

Medical Terminology is designed to give students the ability to understand and correctly use medical terminology essential to success in the healthcare field. To be able to use the terminology effectively means reading and interpreting medical documents and correctly writing, spelling, and pronouncing medical terms.

Principles of the Biomedical Sciences (PBS) (9401)

Grade 9

Credit 1.0

In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

Biomedical Innovations (PBS) (9406)

Grade 11-12

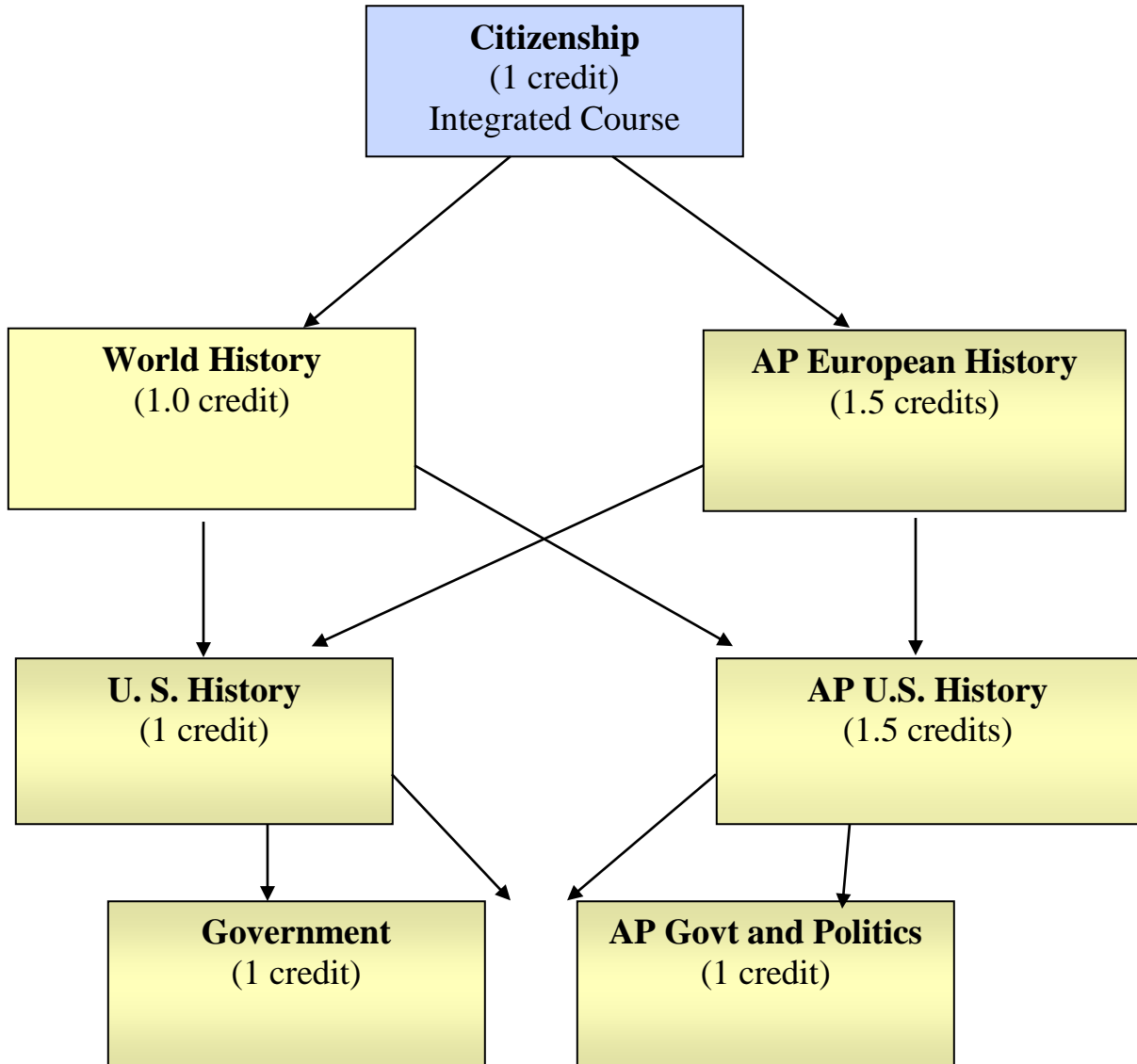
Credit 1.0

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 may 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.

Jefferson City High School Diploma

Social Studies

Required courses



SOCIAL STUDIES

Core Requirements

Citizenship (2112)

Grade 9

Credit 1.0

Citizenship students will gain a broad overview of the meaning of citizenship in the state, country, and world. Units of study include: Individuals, Groups, and Institutions; Civic Rights and Ideals; Cultural Connections; Missouri History; and Missouri Government. For each unit of study, students will engage in a project that allows them to develop research, reading, writing, and speaking skills while learning the course content. Citizenship will satisfy state and district graduation requirements that students receive instruction in the constitution of the State of Missouri. Students must also pass tests assessing their knowledge of the Missouri Constitution.

Integrated Course: Credit will be earned in English I/Honors English I, Citizenship and Technology Applications if successfully completed.

Government (2111)

18 weeks

Grade 11-12

Credit 1.0

US Government is a one-semester course required for graduation. It is designed to give students a background of our nation's government, and explore how ideas over 200 years old still work today. The goal is to provide enough information and interest to make students active participants in our society. Topics covered include: foundations of government, US Constitution, branches of government, and political participation. The state required End-Of-Course (EOC) exam is administered upon successful completion of this course. **NCAA approved course.**

World History (2200)

Grade 10

Credit 1.0

World History is the study of key events, individuals, and ideas in the development of select cultures and civilizations throughout the history of the world. Economic, geographic, and political themes will be utilized to interpret the impact of the environment on these selected cultures and civilizations. Special attention is given to the positive, lasting contributions of these cultures to our present-day way of life. **NCAA approved course.**

U.S. History (2300)

Grade 11

Credit 1.0

US History is the study of United States' History from Reconstruction to the present. Major events, such as Immigration, World War I, The Great Depression, World War II, Civil Rights, The Cold War and The Vietnam War are studied from the United States' perspective, but include relevant events from World History. **NCAA approved course.**
EOC exam.

AP European History (2210)

Grades 10-12

Credit 1.5

AP European History teaches students how European History from 1400 to the Modern Era has influenced both them and the world. Students read college level textbooks and other readings on a similar level. This course prepares the student to take the AP European History Exam. This course is not offered for dual enrollment. **This course may be taken in place of World History. NCAA approved course.**

AP Comparative Government and Politics (2311)

Grades 11-12

Credit 1.0

AP Comparative Government and Politics introduces students to the rich diversity of political life outside the United States. The course uses a comparative approach to examine the political structures; policies; and the political, economic, and social challenges among six selected countries: Great Britain, Mexico, Russia, Iran, China, and Nigeria. Additionally, students examine how different governments solve similar problems by comparing the effectiveness of approaches to many global issues. **NCAA approved course. This course may be taken in place of Government. EOC exam**

AP U. S. Government and Politics (2501)

Grades 11-12

Credit 1.0

AP U. S. Government and Politics gives students an analytical perspective on government and politics in the U.S. by studying the basic foundations and general concepts of U.S. Government along with the various institutions of government and the groups, beliefs, and ideas that constitute U. S. politics. The course explores the Constitutional underpinnings of U. S. Government, political beliefs and behavior, political parties, interest groups and mass media, public policy, civil rights and civil liberties, and institutions of national government including Congress, The Presidency, bureaucracy and the federal courts. This course prepares the student to take the AP U.S. Government and Politics Exam. Qualified students may also enroll for dual enrollment through Lincoln University. **NCAA approved course. This course may be taken in place of Government. EOC exam**

AP U.S. History (2310)**Grades 11-12****Credit 1.5**

AP U.S. History teaches students to compare and contrast the present with the past by surveying American culture from the Colonial Era to the present. The course involves extensive reading and intensive writing on a variety of topics. Students will also learn to take notes from formal lectures, similar to those found in college survey courses. This course prepares the student to take the AP U.S. History Exam. Qualified students may also enroll dual enrollment through Lincoln University. Students seeking dual credit will need to make the request through their counselor for placement in a specific section. **This course may be taken in place of U.S. History. NCAA approved course. EOC exam**

Social Studies Electives**American Civil War (2400)****Grades 10-12****Credit 0.5**

American Civil War examines the causes, major events, and short/long term economic, social, and political consequences of the War Between the States. The views of numerous historians since 1865 will be consulted to assist students in developing a better perspective with regards to the lasting cultural impact these crucial years have had on the United States. **NCAA approved course.**

Revolution and War (2403)**Grades 10-12****Credit 0.5**

Revolution and War will focus on all things military, to possible include but not be limited to, the American Revolution, French Revolution, Russian Revolution, World War I, World War II, Korean War, Vietnam War, 1991 Gulf War, Operation Iraqi Freedom, Operation Enduring Freedom, and other current conflicts. Students will investigate the causes of war and revolution. Students will look at why and how these events have impacted the world. **NCAA approved course.**

The Middle East: Past & Present (2409)**Grades 11-12****Credit 0.5**

The Middle East will primarily focus on the development of the region from 1914 to modern day. This study will include the development and contributions of Middle Eastern cultures, geographical limitations and descriptions, post-World War I colonialism, causes and consequences of the Israeli – Palestinian conflict, military conflict and the rise of state sponsored terrorism. **NCAA approved course.**

American West (2408)**Grades 10-12****Credit 0.5**

American West will examine and capture all the grandeur of the West and all of the energy of its people. It is a course that probes the conflicting visions and competing values that made an American nation on this vast land. It will cover the time period of the 19th century from the opening of the west with the Lewis and Clark expedition to the closing of the frontier in 1890. Areas studied will be Lewis and Clark, the Spanish influence, Native American, Trails West, Gold Rush, Railroads, Cowboys, Indian Wars, Immigration, and the closing of the frontier. **NCAA approved course.**

Legislative Seminar (2406)**Grades 11-12****Credit 0.5**

Legislative Seminar examines how government really works. Students will have an opportunity to meet and to interact with our Missouri governmental leaders. This course sharpens the writing and communication skills needed in college, and emphasizes research. Students are required to spend time visiting with legislators at the capitol building. **This course is offered only during the last term of the 2nd semester, 4th block time period. It will run concurrently with the annual Missouri Legislative Session. NCAA approved course.**

Geography of Asia, Africa & Australia (2410)**Grades 10-12****Credit 0.5**

Geography of Asia, Africa & Australia focuses students' attention on the cultures of the eastern hemisphere outside the European continent. Students will learn about the physical, political, cultural and historical developments of countries within each region studied. **NCAA approved course.**

Geography of North & South America (2411)**Grades 10-12****Credit 0.5**

Geography of North & South America is a study of the cultural regions of North and South America. In each region special attention is given to historical background, climate, topography, natural resources, economic development, cultural influences, and standards of living. **NCAA approved course.**

AP Human Geography (2502)**Grades 11-12****Credit 1.0**

AP Human Geography introduces the tools of geography and then applies them to topics such as the political organization of space, agricultural and rural land use, the spatial character of industrial and economic development, and the origin, evolution, and functional character of cities as a way to understand the built environment. Student will read and write extensively on the course topics. This course prepares the student to take the AP Human Geography exam. **NCAA approved course.**

Psychology (2412)**Grades 11-12****Credit 0.5**

Psychology stresses the various schools of thought including behavioral, psychoanalytical, biological, and cognitive. Units focus on learning, intelligence, the brain, human development, memory, and the sleep cycle. **NCAA approved course.**

Sociology (2413)**Grades 10-12****Credit 0.5**

Sociology is the study of human society and social behavior. It involves looking at human behavior which is largely shaped by the groups to which people belong and by the social interaction that will take place within those groups. The course involves studying culture, society, socialization (family, school, peer groups, etc.), social groups, recognizing the inequalities that exist among entire categories of people (social stratification), social institutions and social change. **NCAA approved course.**

AP Psychology (2503)**Grades 11- 12****Credit 1.5**

AP Psychology looks at current and historical issues in psychology. This emphasizes reading and writing skills. This course prepares the student to take the AP Psychology Exam in May for which they may earn college credit. Qualified students may also enroll for dual enrollment college credit through Lincoln University. **NCAA approved course.**

Educational Psychology (2414)**Grade 12****Credit 0.5**

Educational Psychology will discuss psychological problems involved in the education and the practical application of psychological principles of teaching. It has special emphasis on the nature of learning and the environmental influences of behavior. This course must be followed by A+ tutoring. **Prerequisite: School Age Child. NCAA approved course.**

Military Leadership (2416)**Grades 11-12****Credit 1.0**

Military Leadership is an optional elective class established between Lincoln University and Jefferson City High School and allows students to gain one free college credit hour from Lincoln University. Military Leadership allows students to understand more about the challenges of leadership, the US military, and the overall college experience. Through integrated teaching from a variety of instructors, students will learn the following leadership skills: leadership, Reserve Officer Training Corps (ROTC), time & stress management, setting goals, military drill and ceremony, a day in the life of a college student, military customs/courtesies, and health/fitness. Students will also have the option to participate in Lincoln University ROTC's physical training program as well as join Lincoln University Cadets in a variety of other ROTC functions. This class is designed to help students better understand leadership, the military, ROTC, and college life so they can make informed decisions about their future, as well as become better leaders within their community. Classes will be held two days a week at Soldier's Hall on the campus of Lincoln University, while the remaining three days a week will be held at Jefferson City High School. This class is not a part of the recruiting efforts of the US military and requires an application to be accepted.

**Jefferson City Public Schools**

SPECIAL SERVICES

Basic Design (62)

Grade 9

Credit 1.0

Basic Design, for students with disabilities, introduces basic fundamentals of 2 dimensional art, along with 3 dimensional crafts. Emphasis is on the development of skills and production of visual art. Teacher recommendation is required.

Communications (53)

Grades 10-12

Credit 1.0

Communications is intended to enhance the student's ability to effectively communicate and process information in a variety of environments, situations and relationships. Emphasis is placed on practicing assorted actual written tasks, using of nonverbal cues and behaviors, and discussing/role-playing appropriate conversation techniques.

Community Experience (57)

Grades 10-12

Credit 2.0

Community Experience is designed for students who would benefit from gaining job skills in a community setting with direct supervision. Along with the community-based program is a classroom component, which includes the process of searching for and maintaining a job. Students will reflect on weekly progress and/or practice skills needed to be successful in meeting transition goals. Teacher recommendation is required.

Functional Academics (95)

Grade 9

Credit 2.0

Functional Academics is a course designed to provide individualized instruction in math, writing, language and reading skills in a functional context. It provides activities for students who need concrete, repetitive experiences. Teacher recommendation is required.

Functional Government (52)

Grades 10-12

Credit 1.0

Functional Government fulfills two state requirements: each student will satisfactorily complete a course in the institutions, functions, and the electoral process of federal and state governments while learning how to vote, get a birth certificate and a state ID or license.

Functional Math (51)

Grades 10-12

Credit 1.0

Functional Math is designed for students who need a basic understanding of mathematic concepts and operations. Instruction is carefully sequenced allowing for understanding before proceeding into more complex skills. Instruction focuses on how math relates to the areas of daily living, personal/social/occupational skills. The goal is to teach students daily living along with consumer and vocational skills at their individual level. Teacher recommendation is required.

Functional Personal Finance (54)

Grades 11-12

Credit 1.0

Functional Personal Finance will provide students with the skills that they will need to be able to handle personal and financial affairs. Students will learn the basics of budgeting, banking services, insurance, identity theft, and exploring career opportunities.

Functional Reading (50)

Grades 10-12

Credit 1.0

Functional Reading focuses on reading and writing activities to develop independent skills in the areas of daily living, vocational skills, and social skills while utilizing consumer materials.

Independent Living I (60)

Grades 9

Credit 1.0

Independent Living I education aims to help students with disabilities acquire skills that will help them live as independently as possible. Teacher recommendation is required.

Independent Living II (61)

Grade 10-12

Credit 1.0

Independent Living II assists students with disabilities acquire basic living skills including grooming/hygiene, laundry care, and basic cooking to help them live as independently as possible. Teacher recommendation is required.

Lifetime Health (59) **Grades 10-12** **Credit 1.0**
Lifetime Health helps develop the student's knowledge of how to obtain, interpret, and understand basic health information and services as it relates to individuals and families. Areas of focus include: how the body works, first aid, prevention of diseases, drug awareness, and fitness.

Personal Computer Skills (63) **Grades 10-12** **Credit 1.0**
Personal Computer Skills is a basic course designed to introduce keyboarding, word processing, spreadsheets, databases, and the Internet.

Personal Finance (71) **Grades 11-12** **Credit 1.0**
Personal Finance deals with skills that are needed to survive in today's complex business world. Students will become more efficient in managing personal and financial affairs. The course teaches soon-to-be independent students how to make it on their own in such areas as economic decision-making, budgeting, banking services, insurance and credit. This course will also include the exploration of career opportunities.

Project Search (58) **Grade 12** **Credit Varies**
Project SEARCH is a transition program for seniors that will run concurrent with the academic school year. The selected students will participate in an internship program on the campus of Lincoln University. Students in the program need an open case with Vocational Rehabilitation and will work in different job "rotations" throughout the year with a job coach from Missouri Rehabilitation and Employment Group (MORE Group). The students will be referred to the program by JCHS staff, must apply for the program, go through an interview process, and be chosen by the committee to be in the program. The goal and outcome for the program is for the student to have the necessary skills for competitive employment upon completion of the program

Technical Reading (15) **Grades 10-12** **Credit 1.0**
Technical Reading is for students with reading levels 2.0-5.0. This course will offer students an opportunity to achieve reading fluency through a combination of instructional, modeled, and independent reading components. This reading course provides background knowledge, skills instructions, visual imagery and modeled and independent reading opportunities, which are critical in enabling students to become better readers. This course may be repeated with teacher approval.

Career Connections (64) **Grades 10-12** **Credit 1.0**
Vocational Career Connections is designed assist students in exploring a variety of career options and identifying careers appropriate for their interests, skills, and abilities. Students learn to research career information including career outlooks and the effects of the economy on career choices and availability. Students are taught goal setting and planning for goal achievement and the skills to create various business communications. Overall, this course prepares students to transition from school into post-secondary life by imparting the required tools for career selection and life planning.

Vocational Internship (55) **Grades 10-12** **Credit 6.0**
Vocational Internship offers students an opportunity to develop and expand vocational competencies and work related skills before leaving high school. It provides a community based instruction while earning credit towards graduation. Participating students must be 16 years of age, be recommended by their case manager, and approved by the transition team.

Vocational Work Skills (56) **Grades 11-12** **Credit 1.0**
Vocational Work Skills is designed to assist students in identifying their personal skills, aptitudes, personality, abilities, interests, and work preferences; the required skills for various jobs; and jobs that fit their skills, aptitudes, abilities and interests. Students develop their transferrable skills and specific work skills for jobs/careers they are interested in obtaining in order to be better prepared to enter a competitive job market. Learners define and gain understanding of good worker qualities and how to demonstrate those characteristics in the work environment. Overall, this course prepares students to transition from school into work assignments they will enjoy, be successful in, and maintain in order to increase their ability to be independent, involved, and productive citizens.

Vocational Work Study (91)**Grades 11-12****Credit 1.0**

Vocational Work Study offers students the opportunity to work part or full time in a community setting while earning high school credit. Any student wishing to participate in the program must be at least 16 years of age, be referred by their case manager, approved by the transition team, have a case open with the Missouri Department of Vocational Rehabilitation, and whose IEP reflects a need for work experience in a community setting. Students should be employed before enrolling in the program.

Job Readiness (90)**Grade 9****Credit 2.0**

Job Readiness is a course designed to develop the pre-vocational and academic skills necessary for entry-level jobs. Work skills focus on practical life skills and functional tasks. Appropriate work behaviors are emphasized. Basic instructional skills in the areas of reading, mathematics, writing, and language are aligned with the students Individual Educational Plan. In the course, students may have an opportunity to job sample work at different locations in the community. When job sampling, students ride a bus to job sites and work under direct supervision of teachers or facilitators in the Job Readiness program. This program is designed for students with disabilities that prohibit them from learning basic skills without concrete experiences and opportunities or extended practice. Teacher recommendation is required.

**Jefferson City Public Schools**

TEACHING ACADEMY

A+ Tutoring (5000)

Grade 12

Credit 0.5

A+ Tutoring gives students the opportunity to explore the Human Services career path as they assist and encourage younger students under the supervision of a classroom teacher. They will have the opportunity to observe and to develop knowledge, skills, attitudes and behaviors necessary to be successful in such a career. This course satisfies the mentoring/tutoring hours necessary for the A+ program. An application is required and students are responsible for arranging their school site. **Prerequisite: 2.5 GPA or Supervisor approval**

School Age Child (7332)

Grades 12

Credit 0.5

School Age Child is especially designed for students interested in becoming a teacher or child-care professional. The students will study the development of the school age child. They will interpret reasons for individual differences in children and understand their impact on learning. Students will have an opportunity to design and implement an age and developmentally appropriate learning activity. After this course student must enroll in Educational Psychology.

Educational Psychology (2414)

Grade 12

Credit 0.5

Educational Psychology will discuss psychological problems involved in the education and the practical application of psychological principles of teaching. It has special emphasis on the nature of learning and the environmental influences of behavior. After this course student must enroll in A+ Tutoring. Enrollment in this course meets the requirements for Teaching Academy. **NCAA approved course.**

WORLD LANGUAGES

LATIN

Latin I (5312)

Grades 9-12

Credit 1.0

Latin I offers the serious student the ability to read, translate, and write fundamental Latin. The learning of classical grammar and vocabulary greatly increases the student's English vocabulary and reading skill and enhances the subsequent learning of other languages. Graeco-Roman contributions to art, literature, history, and religion are explored. **NCAA approved course.**

Latin II (5313)

Grades 10-12

Credit 1.0

Latin II students will develop fluency with intermediate grammatical constructions, expanded vocabulary, and translate continuous narrative passages. Continued comparisons between English and Latin grammar will strengthen the student's awareness of each. Study of Classical history and the daily life of antiquity will broaden the student's grasp of world culture and give a better understanding of the world today. Latin II students are eligible for membership in the Latin Club. **Prerequisite: 'C' average or above in Latin I. NCAA approved course.**

Latin III (5314)

Grades 11-12

Credit 1.0

Latin III is a course of specific Latin literature in which the student will develop a real sense of Latin and language transfer by immersion in the literary work of Vergil, Cicero, Catullus, Tacitus, et al. This is a reading course.

Prerequisite: 'B' average or above in Latin II or instructor approval. NCAA approved course.

Latin IV (5315)

Grades 11-12

Credit 1.0

Latin IV presents a complete review of Latin grammar and extensive reading of Roman authors like Ovid and Cicero as well as some lesser known authors with readings from Livy, Petronius, and Medieval sources. This course may be repeated with department approval. **Prerequisite: 'B' average or above in Latin III. NCAA approved course.**

Classical Studies

Grade 10-12

Credit 1.0

Classical Studies is a course conducted in English for the student who is curious to learn about the Classical past, who likes to read, and is passionate about culture in its grandest sense: literature, art, philosophy, history and archaeology. The course's content is varied and may be taken as many as three times as an elective credit. The courses offered are:

(5318AB) Greece 1: Iliad Homer's Iliad, selections from Herodotus, Thucydides, and Plutarch, selected tragedies by Aeschylus, Sophocles, and Euripides, and various philosophical works.

(5319AB) Greece 2: Odyssey Homer's Odyssey, Hesiod's mythology, selections from the histories of Herodotus and Thucydides, and selected writings of Plato and Aristotle.

(5320AB) Rome: Aeneid Vergil's Aeneid, poetry by Catullus, Horace and Ovid, the history of early Rome by Livy, and philosophical writing by Cicero and Seneca.

In addition to the primary sources, we will look at commentaries by modern writers like Montaigne, Nietzsche, Sartre and others. In each section, we will look at the treatment of the material by later writers and filmmakers with an eye to artistic license.

FRENCH

French I (5112)

Grades 9-12

Credit 1.0

French I introduces students to the French language and the cultures of the people who speak it. The primary focus of this class is acquiring the tools for total communication - listening, speaking, reading, and writing. Correct pronunciation is stressed with a study of the spelling patterns governing this. Students are encouraged to use the skills learned through classroom and individual activities. **NCAA approved course.**

French II (5113)

Grades 10-12

Credit 1.0

French II is a continuation of the beginning course with more emphasis on the reading and writing skills. Oral activities give the student opportunities to express their increased knowledge of vocabulary and grammatical structures to better communicate in French. The reading of a French play during the second term gives the students not only more confidence in French language abilities, but also more current vocabulary and awareness of cultural similarities or differences.

Prerequisite: 'C' average or above in French I. NCAA approved course.

French III (5114) **Grades 11-12** **Credit 1.0**
French III emphasizes the four skills of listening, speaking, reading, and writing on an advanced level. A further introduction to French culture and thought will be achieved through a survey of original literature. **Prerequisite: ‘C’ average or above in French II. NCAA approved course.**

French IV (5115) **Grade 12** **Credit 1.0**
French IV contains a review of all previously learned grammar, with new grammar being introduced. The philosophy of teaching used in the first three years is continued with more reading and comprehension through the use of French literature and cinema. **Prerequisite: ‘B’ average or above in French III. NCAA approved course.**

SPANISH

Spanish I (5410) **Grades 9-12** **Credit 1.0**
Spanish I exposes students to Spanish from the first day they enter the class. The skills of listening, speaking, reading, and writing Spanish are emphasized along with correct, precise pronunciation on the basic level. Cultural items related to literature, history, and art of the Spanish-speaking world form a part of the course to reinforce communicative tasks and to promote cultural awareness. **Native speakers can advance without mandatory prerequisite with department approval. NCAA approved course.**

Spanish II (5422) **Grades 10-12** **Credit 1.0**
Spanish II reinforces and expands of the Spanish I experience. Students’ knowledge of basic vocabulary and grammatical structures are broadened to empower students to communicate at the basic level. Cultural items will be explored to enhance their understanding of the Spanish-speaking world and their own culture. **Prerequisite: ‘C’ average or above in Spanish I. Native speakers can advance without mandatory prerequisite with department approval. NCAA approved course.**

Spanish III (5423) **Grades 11-12** **Credit 1.0**
Spanish III expands vocabulary and grammatical structures on a more sophisticated level so that students can become proficient at the beginning-intermediate level. Students approximate native-like pronunciation. Through comparisons of English and Spanish, students develop an appreciation for the nature of language. Broad cultural perspectives are analyzed. After this level, students are prepared for the full-immersion experience of Spanish IV. **Prerequisite: ‘B’ average or above in Spanish II, and/or recommendation from the Spanish II teacher. Native speakers can advance without mandatory prerequisite with department approval. NCAA approved course.**

Spanish IV (5424) **Grade 11-12** **Credit 1.0**
Spanish IV is the last formative course in the Spanish program. All major grammatical concepts from levels I through III are reviewed. Students acquire a comprehensive perspective of the Spanish language through exposure to critical, upper-level grammatical concepts. Students utilize authentic sources to expose students to the language and the culture. Spanish is the primary language spoken in the class. **Prerequisite: ‘B’ average or above in Spanish III, and/or recommendation from the Spanish III teacher. Native speakers can advance without mandatory prerequisite with department approval. NCAA approved course.**

Spanish V (5426) **Grades 11-12** **Credit 1.0**
Spanish V focus will be on continued proficiency in the language. Simplistic grammatical structures will be reviewed, followed by the study of more advanced/complete structures. **Prerequisite: “B” average or above in Spanish IV or native students, and/or recommendation from Spanish III or IV teacher. Native speakers can advance without mandatory prerequisite III and/or department approval. NCAA approved course.**

AP Spanish (5425) **Grades 11-12** **Credit 1.0**
Advanced Placement Spanish Language covers the equivalent of a third-semester college course in advanced Spanish writing and conversation. It encompasses aural/oral skills, reading comprehension, grammar and composition. After completing the course, the Advanced Placement Spanish Language exam may be taken. **Prerequisite: “B” average or above in Spanish IV or V or native students, and/or recommendation from Spanish IV or V teacher. Native speakers can advance without mandatory prerequisite with department approval. NCAA approved course.**

GERMAN

German I (5212)

Grades 9-12

Credit 1.0

German I is an introduction to the use of contemporary everyday German. Students learn to read, write, listen to and speak contemporary everyday German. The focus is on the vocabulary, basic grammatical patterns and functional language necessary to accomplish various language tasks in German. **NCAA approved course.**

German II (5213)

Grades 10-12

Credit 1.0

German II is a continuation of the communicative goals of German I, expanding into new areas of everyday language usage. The focus is again on vocabulary as well as more complex grammatical patterns and more advanced functional language. Students continue learning about contemporary German culture as well as some German history. **Prerequisite: Successful completion of German I. NCAA approved course.**

German III (5214)

Grades 10-12

Credit 1.0

German III moves the student into intermediate levels of everyday language use, developing reading, writing, listening, and speaking skills. Students begin reading and writing longer texts and speaking about abstract topics like opinions, hopes, and desires. Students begin reading authentic texts that reflect important aspects of historical and contemporary German culture. **Prerequisite: Successful completion of German II. NCAA approved course.**

German IV (5215)

Grade 11-12

Credit 1.0

German IV is a continuation of German III. Emphasis will be placed on the finer points of grammar as well as listening, reading comprehension and speaking. A humanities approach will be used, with German literature, history, music, and art being discussed as much as possible in the German Language. **Prerequisite: Successful completion of German III. NCAA approved course.**

CHINESE

Chinese I (5116)

Grade 9-12

Credit 1.0

Chinese I provides a solid foundation in the sound system and pinyin transcription system of modern spoken Chinese. Students will develop an understanding of basic sentence structure in Chinese and will learn a variety of functional language to enable them to negotiate basic, everyday tasks in terms of speaking, listening, reading, and writing. In addition, students will learn to write and recognize 150 Chinese characters and will acquire intercultural and interpersonal communication skills and strategies for communicating with Chinese people. **NCAA approved course.**

Chinese II (5117)

Grades 9-12

Credit 1.0

In Chinese II, students will expand their repertoire of everyday situations they are able to negotiate using the Chinese language. Students will express opinions and begin to describe abstract situations and states of affairs. Students will integrate their knowledge and understanding of basic trends and periods in Chinese history into their language use. Students will expand their repertoire of written Chinese characters to about 300 characters. **Prerequisite: a grade of C or higher in Chinese I is strongly recommended for anyone going on to Chinese II. NCAA approved course.**

Nichols Career Center Skilled Technical Sciences

Overview

The Skilled Technical Sciences (STS) programs at Nichols Career Center provide students with the opportunity to gain skills necessary for profitable employment. Graduates of these programs are able utilize this education to directly enter the workforce, or continue their training at the college level.

STS programs are only available to juniors or seniors who have been selected through a competitive application process coordinated by the NCC counselor. This process requires a program tour, application, and interview with the program instructor. Because most STS programs are two-year programs, the application process generally favors incoming juniors, although incoming seniors are welcome to apply (the exception is the Health Sciences program, which is exclusive to seniors). A review of the applicant's academic/attendance records, JCHS counselor evaluation, career pathway, and interview serve as the basis for selection. First-year students of two-year programs are required to undergo a performance review before being accepted to their second year of study.

Dual Credit & Articulated Credit

There are several opportunities for students to earn dual or articulated credit while enrolled in one of the STS programs. Current offerings include, but are not limited to: State Technical College of Missouri, State Fair Community College, Ozark Technical Community College, Stephens College, and several Art Institutes. A comprehensive list is posted on the NCC website. Enrollment for this credit is coordinated by the NCC counselor.

Industry Recognized Credential (IRC)

Most STS programs provide students with the opportunity to earn an IRC. This credential generally serves as evidence that the student has demonstrated competency in specific skills required by various businesses and industry. Students who earn an IRC generally command better employment opportunities or wages when entering the workforce. The assessments for IRC's are provided to students when they have completed the required curriculum, which is typically during the second year of study.

Internships

Several STS programs offer internships for second year students in their final semester of study. Students are required to maintain the following: attendance of 95% or better, minimum 2.5 GPA, an excellent behavior record, be in good standing with JCHS, and be recommended by their program instructor. Students who are approved transport themselves to their internship site and attend internship in lieu of class time.

Math III – Embedded Math (1/2 credit per course)

This course presents informational methods of contextual mathematical instruction directly related to the corresponding 2-block STS program. Students will review pre-existing concepts and learn new concepts that are specific to their chosen trade. Relevant mathematics will prepare students for higher education or provide them with the knowledge necessary to enter directly into a trade. Students will complete various assignments including but not limited to projects and problem solving activities. Additionally, students will practice standardized assessment questions relating to the ACT or other college entrance exams.

Corequisite: Students must be enrolled in a STS program denoted by an asterisk*

Eng—Embedded English (1/2 credit per course)

Auto Collision Technology I/II (9010/9011)* Grades 11-12 Credit 4.0/Year

Auto Collision Technology is an ASE (Automotive Service Excellence) certified two-year course of study that focuses on the fundamentals of collision repair including safety, auto glass, part replacement, cutting metal, plastic repair, welding, straightening body panels, masking, refinishing, and detailing. The industry-developed curriculum (I-CAR) alternates annually with one year focusing on non-structural repair work while the subsequent year introduces refinishing concepts.

Articulated Credit Available

IRC: I-CAR Non-Structural/Refinishing

Internship Available

Automotive Technology I / II (9012/9013)* Grades 11-12 Credit 4.0/Year

Automotive Technology is an ASE (Automotive Service Excellence) certified two-year course of study that focuses on automotive repair and diagnosis. The curriculum is delivered through a combination of computer-based modules and shop work. The course of study alternates annually with one year focusing on engine performance and braking systems while the subsequent year introduces steering/suspension and electrical/electronic systems.

Articulated Credit Available

IRC: ASE Student Level Certification

Internship Available

Broadcast Media I/II (7232/7233)*(NCC) Grades 11-12 Credit 4.0/Year

Broadcast Media I is a program of study offered through the Nichols Career Center. Focus will be placed on in-depth news story development, communication skills (written, oral, interview styles, etc.) and technology skills required to create an online news magazine. Students will pitch story ideas, research material for stories, conduct interviews, and edit stories into a final format and meet production deadlines. Professional audio visual and lighting equipment use will be a key component of instruction on location, and in the classroom studio. Industry level editing software includes Adobe Premiere Pro (video), Adobe Audition (audio) and Adobe Photoshop (images and photos). Emphasis is placed on hands-on activities requiring students to work in groups, be creative, responsible, and professional. Visit

www.nicholsstudentnews.com to preview student news stories. **Prerequisite** : Journalistic Writing **OR** strong communication skills (verbal, written) as evidenced by proficient writing skills in all high school English classes.

Students must complete an application and submit to the Nichols Career Center counseling office.

Broadcast Media II is a continuation of Broadcast Media I where students will work on in-depth news story development. Responsibilities will also include positions as copy editor, news director and website manager. **Prerequisite** : Broadcast Media I and instructor approval.

Building Trades I/II (9110/9111)* Grades 11-12 Credit 4.0/Year

Building Trades is an AGC (Association of General Contractors) certified two-year course of study that prepares students for several occupations within construction. The first year introduces safety, hand and power tools, plans, specification and codes, footing and foundations, concrete placing and finishing, floor/wall/ceiling/roof framing, roofing, windows and exterior doors, exterior wall finishing, interior doors and trim, painting, staining, finishing, and cabinetmaking in a workshop setting. The second year advances those skills through the construction of off-campus residential housing in conjunction with Habitat for Humanity.

Articulated & Dual Credit Available

Computer Technology I/II (9310/9311) Grades 11-12 Credit 4.0/Year

Computer Technology is a two-year course of study that prepares students for a variety of occupations within the computer science/information technology field. The program of study alternates annually with one year specializing in coding websites and computer programs using Java programming language and markup languages (HTML, DHTML, and JavaScript). The subsequent year focuses on the design, construction, maintenance, repair, networking, and administration of computers/computer systems.

Prerequisite: "C" or better in

Algebra I or higher-level math

Articulated & Dual Credit Available

IRC: ETA Computer Service Technician

Culinary Arts I/II (7323/7324) Grades 11-12 Credit 2.0/Year

Culinary Arts is a two-year American Culinary Federation approved course of study that prepares students for a variety of occupations in the restaurant and hospitality field. Students complete food and equipment safety coursework while also practicing, preparing, and serving foods in an instructor-supervised kitchen, catered luncheons, and banquets. First-year students have the option to earn a Servsafe Food Handler certification administered by the National Restaurant Association while graduates also have the opportunity to become a Certified Fundamentals Cook through the American Culinary Federation.

Prerequisite: Foods I

IRC: Certified Fundamentals Cook

Graphic Communications I (9210/9211) Grades 11-12 Credit 4.0/Year

Graphic Communications is a two-year course of study that introduces first year students to the principles of illustrating/designing artwork through typography, design and layout, color theory, computer illustration (Adobe Illustrator), digital imaging (Photoshop), page layout (InDesign), digital workflow, vinyl sign applications, screen printing on clothing, dye sublimation, digital printing, and bindery operations. The second year requires the advancement of these skills through a variety of independent projects in a shop setting.

Articulated & Dual Credit Available IRC: SkillsUSA Graphic Communications
Internship Available

Health Sciences (9800) Grade 12 Credit 4.0/Year

Health Sciences is a one-year course of study that introduces students to a variety of occupations within the health care field while focusing upon the required skills to become a Certified Nurse Assistant. The fall semester introduces vocabulary related to health care, anatomy and physiology, patient care skills, and basic disease information. In order to advance these skills, students who meet various clinical requirements are required to transport themselves daily to clinical settings at various hospitals and nursing homes during the spring semester.

Articulated Credit Available IRC: CNA

Heating, Air Conditioning and Refrigeration I/II (9900/9901)

***Grades 11-12 Credit 4.0/Year**

This two-year course of study introduces students to the fundamentals of the heating and cooling industry. The first year includes instruction of the basics of refrigeration, installation and service, troubleshooting of residential air conditioners and furnaces, sheet metal fabrication, and wiring of house and control circuits. The second year provides students with advanced troubleshooting and problem-solving skills for all types of furnaces and air conditioners, in addition to fundamentals of commercial refrigeration/air conditioners/furnaces, and advanced sheet metal fabrication.

Articulated Credit Available IRC: HVAC Excellence
Internship Available Additional Certifications: Section 608

Mechatronics I/II (9615/9616)

***Grades 11-12 Credit 4.0/Year**

This two-year course of study prepares students for several occupations within the engineering field such as systems, mechanical, electrical, telecommunications, control, and computer engineering. First year students use knowledge of electronic components, soldering, and microchip design to construct, troubleshoot, and repair integrated circuits, robots, computers, car audio equipment, and telecommunications devices. Students also utilize AutoCAD design software to create various 3D printer projects and industrial programmable logic controllers to manipulate pneumatic powered equipment/control circuits. Second year students continue various projects within these topics while advancing their design, troubleshooting, and maintenance skills.

Articulated Credit Available IRC: ETA EM-1

Welding I/II (9910/9911)* Grades 11-12 Credit 4.0/Year

Welding is a two-year AWS (American Welding Society) approved course of study that includes instruction in gas, stick, MIG, oxyacetylene and plasma cutting processes using mild steel, stainless steel, and aluminum metals. The first year of study focuses on the preparation of metal for welding and correct application of welding rods, welding techniques, safety requirements, layout/cutting techniques, and welding terminology. The second year emphasizes advanced project-based learning, and additional skill development of arc/MIG/TIG welding, and weld testing.

Articulated Credit Available IRC: AWS SENSE
Internship Available



Nichols Career Center-Agriculture Education

Advanced Animal Science (9925)

Grades 11-12

Credit 1.0

Advanced Animal Science is an agricultural education course that is an advanced study in large domestic animal production, management, marketing, nutrition, breeding, production records, selection, animal health, waste management, and biotechnology. Students will be encouraged to continue participation in the FFA chapter as well as expand their current SAE program and maintain a student record book.

Prerequisite: Intro to Agriculture and Foundations of Animal and Plant Science

Agricultural Business, Sales, and Marketing ()

Grades 11-12

Credit 1.0

Agricultural Business, Sales and Marketing combines farm management, agribusiness management, and content based on agricultural economic principles. This courses includes human relations, personal inventory, careers in selling, and other experiences necessary for employment in agribusiness engaged in marketing, purchasing, storing, grading, and transporting supplies and products. Computer applications are included to enhance student understanding and utilization of current technology. Students will be encouraged to continue participation in the FFA chapter as well as expand their SAE program and maintain a student record book. Students will be encouraged to continue participation in the National FFA Organization and the Supervised Agricultural Experience Program. **Prerequisite: Intro to Agriculture and Foundations of Animal and Plant Science**

Conservation of Natural Resources (9933)

Grades 11-12

Credit 0.5

Conservation of Natural Resources prepares students for activities in the conservation and/or improvement of natural resources such as oil, water, air, forests, fish, and wildlife for recreational and economic purposes. Students will be encouraged to continue participation in the FFA chapter as well as expand their current SAE program and maintain a student record book. **Prerequisite: Intro to Agriculture**

Equine Science (9927)

Grades 10-12

Credit 0.5

Equine Science presents topics including conformation and selection genetics and reproduction, health, and soundness, nutrition, equipment and facilities, safe handling techniques, horse psychology, training methods, and career opportunities. Students will be encouraged to continue participation in the FFA chapter as well as expand their current SAE program and maintain a student record book. **Prerequisite: Intro to Agriculture(formally Ag Science I) and any Foundations of AFNR Course (or Ag Science 2)**

Food Science (9922)

Grades 10-12

Credit 0.5

Food Science includes the areas of food chemistry and nutrition, food additives, food packaging and labeling, evaluation of foods, food microbiology, food processing, food fermentation, principals of sanitation and quality control. Students will be encouraged to continue participation in the FFA chapter as well as expand their current SAE program and maintain a student record book. **Prerequisite: Intro to Agriculture.**

Forest Management (9928)**Grades 11-12****Credit 0.5**

Forest Management includes the following aspects of forestry: economic and environmental importance; small harvesting equipment; safety; and the marketing of standing timber. Students will also study the business management of timber procurement; surveying and land measurement; sealing and grading of lumber; and marketing Missouri wood products. Students will be encouraged to continue participation in the FFA chapter as well as expand their current SAE program and maintain a record book. **Prerequisite: Intro to Agriculture.**

Foundations of Animal and Plant Science (9940)**Grades 10-11****Credit 1.0**

Foundations of Animal and Plant Science will focus on a combination of topics related to the animal and plant industry. There will be a focus on both large and small animal production. Topics will focus on production, management, marketing, nutrition, breeding, animal health, and biotechnology. The plant science parts will focus on various types of plant production and marketing, soil sciences. Topics will relate to plant types, anatomy and physiology of plants, growing and management of crops and horticulture plants, how environmental factors affect plant growth, soil formation and composition, and various soil uses. There will also be a leadership and career development component. This course will be taught using a variety of technology and teaching methods including Project Based Learning. Instruction will be student-centered with teams working in collaborative groups to create and explore further options and opportunities in the animal science industry. **Prerequisite: Intro to Agriculture.**

Horticulture (9923)**Grades 11-12****Credit 1.0**

Horticulture will introduce students to careers in horticulture and landscaping. It includes the study of plants, soils, floristry, irrigation practices, pest control and harvesting of crops. Students will also learn the basic techniques of landscape design, landscape construction, installation, and maintenance. Students will be encouraged to continue participation in the National FFA Organization and the Supervised Agricultural Experience Program.

Prerequisite: Intro to Agriculture and Foundations of Animal and Plant Science.

Introduction to Agriculture (9932)**Grades 9-11****Credit 1.0**

This class serves to introduce students to the agriculture industry. It includes units related to: animal science, plant and soil science, agricultural system management, industrial technology and conservation and natural resources. It will also include leadership, science applications and career opportunities. In addition, students will explore opportunities with local groups including local conservation groups and FFA. Students' participation in this course will experience exciting "hands-on" activities, projects and problems. Students experience will involve the study of communication, the science of agriculture, plants, animals, natural resources and agricultural mechanics. While surveying the opportunities available in Ag and natural resources, students will learn to solve problems, conduct research, analyze data, work in teams and take responsibility for their work, actions and learning. *Students in the AETI Academy, who are not in Introduction to Engineering should enroll in this course.*

Small and Specialty Animals (9926)**Grades 10-12****Credit 0.5**

Small and Specialty Animals examines the agricultural enterprises of producing bees, laboratory animals, fur animals, fish, companion animals and rabbits. This course will also explore career opportunities in small animal care and management. Students will be encouraged to continue participation in the FFA chapter as well as expand their current SAE program and maintain a student record book. **Prerequisite: Intro to Agriculture.**

Simonsen Academy Introductory Courses

AETI Academy-Ag and Trade and Industry Pathway

Introduction to Agriculture (9932)

Grades 9-11

Credit 1.0

This class serves to introduce students to the agriculture industry. It includes units related to: animal science, plant and soil science, agricultural system management, industrial technology and conservation and natural resources. It will also include leadership, science applications and career opportunities. In addition, students will explore opportunities with local groups including local conservation groups and FFA. Students' participation in this course will experience exciting "hands-on" activities, projects and problems. Students experience will involve the study of communication, the science of agriculture, plants, animals, natural resources and agricultural mechanics. While surveying the opportunities available in Ag and natural resources, students will learn to solve problems, conduct research, analyze data, work in teams and take responsibility for their work, actions and learning.

Students in the AETI Academy, who are not in Introduction to Engineering should enroll in this course.

AETI Academy- Engineering and Technology

Introduction to Engineering Design (IED) (7240)

Credit 1.0

This PLTW introductory course to engineering is designed for 9th or 10th grade students, the major focus of IED is the design process and its application. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community.

CAB Academy-Business Management and Technology

Computer Science Essentials (7237)

Grade 9

Credit 1.0

In Computer Science Essentials, students 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. They'll apply computational thinking practices, build their vocabulary, and collaborate just as computing professionals do to create products that address topics and problems important to them. Computer Science Essentials helps students create a strong foundation to advance to Computer Science Principles, Computer Science A, and beyond.

Introduction to Business (7249)

Credit 1.0

Introduction to Business is a course designed to introduce students to the concepts of business and leadership to help prepare them for their roles as employees, employers, citizens and leaders within their community while thinking like an entrepreneur. Students will look into business structures and how business impacts the economy in both profit and non-profit organizations. Students will also be given the opportunity to unlock their leadership potential through the development of essential skills necessary for effective leadership. Both business and leadership perspectives will blend seamlessly through collaboration with local businesses, real world experiences and a focus on project-based activities and discussions.

CAB Academy-Fine Arts and Communication

Introduction to Media (7234)

Credit 0.5

Introduction to Media students are introduced to the different types of media, including print, broadcast, graphic communications, publications, social media and photography. This survey course provides students with broad and varied instruction, ranging from the history of mass media to its contemporary forms and influences. Students gain a knowledge base from which to make decisions on future course selections and academy pathways.

Art I (6110)

Credit 1.0

Art I is an introduction to the basic fundamentals and skills used in art. Emphasis is on learning to draw and paint with a variety of tools and media.

Interpersonal Communication (5330)

Credit 0.5

Interpersonal Communication will focus on the development of the interpersonal communication skills for building and maintaining positive relationships in both a personal and professional environment. Topics of study include an orientation to interpersonal communication, verbal and nonverbal communication, perception of self and others, listening, managing conflict, response skills, self-disclosure, ethics in interpersonal communication, cultural and gender considerations, and characteristics of leadership in effective work groups. Students will learn how to listen more effectively, respond more appropriately to what others have said and how to maintain and develop good interpersonal relationships with their families, peers, and colleagues in the workplace.

Drama I (6319)

Credit 0.5

Drama I is an introductory performance course. Students will develop basic theatrical skills and will study the historical background of theater. Performances may include: pantomime, oral interpretation, monologues, and storytelling, and duet, triple or quad acting scenes. Since memorization is the foundation of drama; all performances will be memorized.

***Select at least one of the following performance courses below:**

Concert Band (6511)

Credit 1.5

Concert Band is a performance-based class for 9th - 12th grade students. Students will have the opportunity to audition for the Symphonic Band upon completion of this class. All members of Symphonic and Concert Bands are required to march unless they are a fall athlete or have a medical excuse. **It is also possible to do both Marching Band and Athletics at the same time.**

Marching Band (6531)

Credit 1.0

Marching Jay Band is a competitive group. All band students are expected to participate unless they are a fall athlete or have a physical disability, which would prohibit their participation. Out of school practices and performances are required. Certain performances are required. In performance classes, grades will be directly affected by participation in required concerts and other activities.

Choir (6420)

Credit 2.0

Freshman Choir is a performance based choral ensemble composed of 9th grade boys and girls. It is an introductory vocal music class that meets daily for two semesters and performs several times during the school year. Membership in this choir is based upon recommendation of the student's previous middle school music teacher. Students entering Simonsen from another school district may be admitted to the class by recommendation from a previous music teacher and/or individual audition. Certain performances are required. In performance classes, grades will be directly affected by participation in required concerts and other activities.

Concert Orchestra (6521)

Credit 2.0

Concert orchestra will continue to develop and enhance the student's technical skills and musical concepts through intermediate to advanced music literature selected from a variety of periods. Membership is by audition only. Certain performances are required. In performance classes, grades will be directly affected by participation in required concerts and other activities. **Prerequisite: Auditions in the spring of the previous year.**

S3 Academy-Health Services

Principles of the Biomedical Sciences (PBS) (9401)

Credit 1.0

In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

Introduction to Health Services (9402)

Credit 0.5

Introduction to Health Services is a freshman level course designed to orient students to the opportunities available in the Health Services field. In exploring these opportunities students will be exposed to professionalism and characteristics of the workplace; such topics will be tailored to the Health Service Academy, but will also benefit students who choose to pursue careers in other fields. Students will explore the four Health Services Academy pathways, which include Therapeutic Services and Rehabilitation, Health Professional Services, Health Support Services, and Biotechnology, Informatics and Health Administration. Topics to be studied will be career and educational requirements for a range of professions in each of the four pathways. A personal portfolio will be the outcome of this Project-Based Course.

S3 Academy-Human Services

Foods and Nutrition I (7320)

Credit 0.5

Foods and Nutrition I is an introductory course in foods that includes the study of nutrition, basic terminology and equipment, the principles of cookery, and the skills involved in cooking through laboratory experience. Emphasis is given to the study of fruits, vegetables, grains, quick breads, protein foods and meal planning for a healthy diet.

Introduction to Human Services (2600)

Credit 1.0

This is the introductory course to the Human Services Academy. The course will cover basic information for the five pathways of the academy. Customer service is an important component of all occupations in the Human Services Academy. Time will be spent working on 21st century skills of collaboration, communication, research skills, accountability, professionalism, and networking. Guest speakers will present relevant information exposing students to a variety of occupational pathways within this academy. Students will have a culminating project at the end of the semester researching careers of interest to the student.

COLLEGE AND UNIVERSITY REQUIREMENTS COMPARISON

Course	Missouri Public 4 year Colleges	Entering Freshman University of Missouri System	Highly Select Colleges and Universities
English & Language Arts	4	4	4****
Math	3 Algebra I and higher	4 Algebra I through Math Analysis/Trig	4****
Science	2 1 must be lab class	3	3****
Social Studies	3	3	3****
Fine Arts	1 Visual Arts, Music, Theater	1 Visual Arts, Music, Theater	1
Practical Arts	0	0	0
PE	0	0	0
Health	0	0	0
World Language	2 Recommended*	2 Credits of same world language	2+ Credits of same world language +sometimes 3-4 units
Electives	3 specified core electives	3 specified core electives	3 specified core electives
Total	16 Core**	17 Core**	17 Core**

* Truman State University requires 2 years of the same world language

** Additional core requirements, class rank, ACT/SAT requirements may apply. Check with the admissions offices of each college to determine requirements. These are minimum requirements. Students who plan to participate in NCAA Division I or II athletics must be certified through the NCAA Clearinghouse. See page information later in the book or www.ncaaclearinghouse.net for details.

**** Include as much Advanced Placement Curriculum as possible