



CURRICULUM GUIDE

2023-2024

TABLE OF CONTENTS

When viewing this document digitally, you are able to click on the page titles to take you directly to that page.
To return to the Table of Contents, click on the home button found on the bottom of each page

Mission Statement	2
Daily Schedules	3
Grading Scale	3
GPA Calculation	3
Graduation Requirements	4
Senior Service Project	5
Exemption from Physical Education	5
College Credit Options	5
Saint Louis University 1818 Courses	5
Advanced Placement Courses	6
College Courses Offered	6
Project Lead the Way	6
Honors Courses and Credits	7
Class Registration	8
Scheduling	8
Course Withdrawal	8
Failures	8
Waivers	8

NCAA Clearinghouse Requirements	9
Division I Academic Requirements	9
Division II Academic Requirements	10
NCAA Approved Courses	11
Academic Courses	12
Theology Department	12
English Department	14
Mathematics Department	19
Science Department	24
Social Studies Department	32
Additional Required Courses	39
Business Department	40
World Languages Department	41
Music Department	43
Art Department	45
Track Charts	49

Mission Statement

We are called by Jesus Christ to educate young people, through the Catholic tradition, to lead successful, faith-filled lives.

ALTHOFF CATHOLIC HIGH SCHOOL is accredited and recognized by the Diocese of Belleville and the State of Illinois. Althoff Catholic admits students of any race, color, national, or ethnic origin. The purpose of Althoff Catholic is to provide an atmosphere in which you can pursue a Christian education that will prepare you to find and fulfill your individual goals and ambitions after finishing high school. The education program is designed to meet your spiritual, intellectual, cultural, and physical needs. A responsible use of your time and abilities at Althoff Catholic will prepare you for college, career, or job opportunities after graduation.

Since we cannot live in this world without recognizing our relationship to other persons, we cannot live in it without recognizing our relationship to God either. Our experience and relationship with God cannot be separated from our everyday lives. Therefore, all students attending Althoff Catholic are required to take Theology courses. Students who transfer from public schools are excused from the Theology requirement for the years they were attending other schools.



DAILY SCHEDULES

The school day is scheduled from 8:15am-3:05pm and is divided into eight class periods plus lunch. All Wednesdays are a late-start day in which students do not start the school day until 9:10am. All eight classes meet every day for 44 minutes, except on Wednesdays in which they meet for 31 minutes and attend Mass in the morning.

JUNIOR/SENIOR LUNCH		FRESHMEN/SOPHOMORE LUNCH	
PERIOD	TIME	PERIOD	TIME
1	8:15am – 9:01am	1	8:15am – 9:01am
2	9:04am – 9:48am	2	9:04am – 9:48am
3	9:51am – 10:35am	3	9:51am – 10:35am
4	10:38am – 11:22am	4	10:38am – 11:22am
LUNCH (C1)	11:25am – 11:55am	5	11:25am-12:09pm
5	11:58am-12:42pm	LUNCH (C2)	12:12pm-12:42pm
6	12:45pm-1:29pm	6	12:45pm-1:29pm
7	1:32pm-2:16pm	7	1:32pm-2:16pm
8	2:19pm-3:05pm	8	2:19pm-3:05pm

GRADING SCALE

A	90 – 100%
B	80 – 89%
C	70 – 79%
D	60 – 69%
F	0 – 59%

A student with a 1st semester grade of “C” or higher in a math, science, social studies, and english class may continue in that class for the 2nd semester. If a student earns a “D” or “F” in a course, and they are enrolled in an Honors level course, they may be moved to Accelerated. If they are in Accelerated, they may be moved to Regular.

GPA CALCULATION

- Semester grades are calculated as follows: 80% (coursework) + 20% (final exam)
- Regular and Accelerated level courses (Unweighted): A = 4, B = 3, C = 2, D = 1, F = 0
- Honors level courses (Weighted)*: A = 5.87, B = 4.87, C = 3.87, D = 1, F = 0
1.87 is added to the letter value of a “C” or higher for each honors course.
(e.g. B = 3 + 1.87 = 4.87)
- Students may only take a certain number of honors courses per semester. *
 - Freshman – 4
 - Sophomore – 4
 - Junior – 5
 - Senior – 6

*Subject to change based on course load and periods in the day.

HONOR ROLL SELECTION

Honor roll selection is based on a student’s current semester unweighted GPA only. It does not factor in cumulative GPA and are distinguished as follows:

- High Honor Roll: unweighted 3.8 or higher
- Honor Roll: unweighted 3.5 or higher



GRADUATION REQUIREMENTS

Students must pass 27 credits for graduation. Senior students must also be currently enrolled in all required coursework for graduation in order to participate in commencement. It is possible for each student to take eight classes per semester, which gives each student the opportunity to pass eight credits per school year. In four years, students can graduate with 32 credit hours. In addition, students are required to complete Freshman Retreat, Sophomore Retreat, Junior Retreat, and Senior Service as a condition for graduation.

COURSEWORK	ALTHOFF REQUIRES	ILLINOIS REQUIRES	MOST COLLEGES REQUIRE
THEOLOGY	4 credits	0 credits	0 credits
ENGLISH	4 credits	4 credits	4 credits
ALGEBRA I OR EQUIVALENT	1 credit	1 credit	1 credit
GEOMETRY	1 credit	1 credit	1 credit
ALGEBRA II	1 credit	1 credit	1 credit
BIOLOGY	1 credit	1 credit	1 credit
CHEMISTRY	1 credit	1 credit	1 credit
SCIENCE	1 credit	0 credits	1 credit
WORLD HISTORY	1 credit	1 credit	1 credit
U.S. HISTORY	1 credit	1 credit	1 credit
CIVICS (Must pass the constitution test)	1 credit	0.5 credit	.5 credit
PHYSICAL EDUCATION	2 credits	4 years	0 credits
CONSUMER EDUCATION	0.5 credit	0.5 credit	.5 credit
HEALTH	0.5 credit	0.5 credit	0 credits
FINE ART (ART, MUSIC or FOREIGN LANGUAGE)	2 credits	2 credits	2 credits
ELECTIVES	5 credits		2 credits

*** Though it is not an Althoff Catholic graduation requirement, students planning to continue their education at a university or community college are urged to enroll in a minimum of **2 years of foreign language**, as this is a common admission requirement at many colleges. To determine the requirements for a specific college, check the college's website or contact the admission office of that school. ***

TRANSFER CREDIT

Althoff Catholic High School reserves the right to evaluate all credits earned from an outside institution to determine if the course in which the credit was earned is equivalent to a course offered by Althoff.

Students also must have earned at least the following number of credits for each grade level classification:

Freshman 0-6
 Sophomores 6.5-14
 Juniors 14.5-21
 Seniors 21.5+



SENIOR SERVICE PROJECT

Through the Service Learning Project, seniors spend 3 weeks in full-time volunteer service (i.e. they do NOT attend their regular classes during this time). Students are placed in people-serving agencies throughout the community and are given an integrated service experience involving direct, person-to-person contact with those in need. This opportunity for service to others and for personal growth is so important to the Mission of the Catholic high schools and to the Christian formation of our students, that the satisfactory completion of the project is a requirement for graduation.

EXEMPTION FROM PHYSICAL EDUCATION

Seniors are not required to take P.E. as long as they have fulfilled their graduation credits. A student may be exempt from P.E. if any of the following conditions are met:

- A student is participating in band.
- A student needs a specific course required by a college or university they will be attending. Written documentation will be required from that college/university.
- A student has a physical disability or an injury that keeps them from participating in P.E. Written documentation will be required from their physician.

COLLEGE CREDIT OPTIONS

SAINT LOUIS UNIVERSITY 1818 COURSES*

Althoff Catholic partners with Saint Louis University (SLU) to bring college credit courses to students while still in high school through the Advanced College Credit (1818) program. The 1818 courses are challenging, but carry extra GPA weight just like an honors course. Students will receive college credit if (1) they receive a grade of a “C” or higher in the course, (2) they have a 3.0 *unweighted* cumulative grade point average, and (3) they pay an additional fee directly to Saint Louis University. If the student accomplishes these three items they will receive a transcript from Saint Louis University which will reflect the grade earned in the course at Althoff Catholic. Students may **NOT** waiver into the 1818 courses.

These courses may or may not be accepted by the college or university a student ultimately attends. A student should contact any potential college or university prior to registering with Saint Louis University to determine the school’s policy on acceptance of dual credit course work.



COLLEGE CREDIT OPTIONS, cont'd

SOUTHWESTERN ILLINOIS COLLEGE*

Althoff Catholic partners with Southwestern Illinois College (SWIC) to bring college credit courses to students while still in high school through the Belleville CEO Program. Students can elect to receive four college dual credits through Southwestern Illinois College; three credit hours as a MGMT 201 – Entrepreneur Basics and one credit in MGMT 203 – Business Plan course.

*These courses may or may not be accepted by the college or university a student ultimately attends. A student should contact any potential college or university prior to registering with Saint Louis University to determine the school's policy on acceptance of dual credit course work.

ADVANCED PLACEMENT (AP) COURSES

Advanced placement (AP) courses give students the opportunity to earn college credit while still in high school. Students may choose to pay for and take the end-of-course AP exam for any subject offered on the AP College Board website: www.collegeboard.com/ap. High exam scores may enable students to gain admission, credit, and placement into advanced courses once in college. Minimum required exam scores vary by college/university and subject. Specific requirements for colleges and universities can be found on the College Board website.

The AP exam is given to students each spring on an assigned date chosen by College Board. Even if Althoff Catholic does not offer a particular AP course, students still have the option to take the AP exam. The end-of-course exam are rigorous, and if a student chooses to participate in AP courses, they should be prepared to work very hard and put in many hours of outside study time.

COLLEGE COURSES OFFERED

Saint Louis University 1818	
Hon Statistics	3 hours
Hon Calculus	4 hours
Hon College Algebra	3 hours
Hon Advanced Chemistry	4 hours
AP Courses	
Honors AP European History	
Honors AP Language and Composition	

PROJECT LEAD THE WAY (PLTW)

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

PLTW Engineering

Introduction to Engineering Design
Digital Electronics
Principles of Engineering
Honors Engineering & BioMedical Research



HONORS COURSES AND CREDIT

COURSE CODE	COURSE NAME	CREDITS
ART 403	Honors Art Appreciation Ancient Greece to 1850	0.5 credit
ART 413	Honors Modern Art Appreciation 1850-Present	0.5 credit
BIOM 303	Honors Medical Terminology & Intervention	1 credit
BIOM 403	Honors BioMedical Research	1 credit
CEO 403	Honors CEO Entrepreneurship	2 credits
ENG 103	Honors Freshman English	1 credit
ENG 203	Honors Sophomore English	1 credit
ENG 303	Honors Junior English	1 credit
ENG 403	Honors AP Language and Composition	1 credit
ENGR 303	Honors Principles of Engineering	1 credit
ENGR 403	Honors Engineering Research	1 credit
HIST 103	Honors Civics	1 credit
HIST 203	Honors World History	1 credit
HIST 303	Honors U.S. History	1 credit
HIST 403	Honors Greek & Roman History	0.5 credit
HIST 413	Honors Medieval History	0.5 credit
HIST 503	Honors AP European History	1 credit
MATH 103	Honors Algebra I	1 credit
MATH 203	Honors Geometry	1 credit
MATH 303	Honors Algebra II	1 credit
MATH 403	Honors College Algebra & Trigonometry	1 credit
MATH 502	Honors Statistics	1 credit
MATH 503	Honors Calculus	1 credit
SCI 103	Honors Biology	1 credit
SCI 203	Honors Chemistry	1 credit
SCI 303	Honors Anatomy & Physiology	1 credit
SCI 403	Honors Physics	1 credit
SCI 503	Honors Advanced Chemistry	1 credit
SPAN 303	Honors Spanish III	1 credit
SPAN 403	Honors Spanish IV	1 credit
SPAN 403	Honors Spanish IV	1 credit



CLASS REGISTRATION

Courses are subject to availability each year.

SCHEDULING

Please make course selections carefully since the master schedule and staff assignments are based on student schedule requests. Students are asked to plan and choose courses carefully according to their ability and motivation.

Before the end of each school year, students receive a list of possible available classes for the upcoming year. At this time a deadline for registration will be published. Students are asked to review the list carefully and make selections or changes prior to this deadline. If a student has any questions or concerns regarding their schedule, they are urged to meet with their counselor in the College Placement department. **Parent/Guardian approval is required for some course selections.** Tentative schedules are issued before the start of each semester.

COURSE WITHDRAWAL

Students are strongly encouraged to complete all courses for which they register. If it is to be in the student's best interest, a student may withdraw from a course upon obtaining approval from their assigned College Placement counselor, the course teacher, and their parent/guardian. A student may withdraw from a class two weeks after the beginning of the semester with no penalty. A student withdrawing in the next two weeks will receive a "W" on their official transcript. A withdrawal after the first four weeks but before the progress reports will result in a Withdraw Fail "WF" or Withdraw Pass "WP" on the student's official transcript. A withdrawal after the progress reports will result in a Fail "F" on the student's official transcript and will be averaged into their cumulative GPA. Credit is not given for a withdrawal nor will any course fees be refunded.

NOTE: If a student *personally* chooses to withdraw from an Honors course, they may **not** re-enroll in another Honors course in that discipline.

FAILURES

First semester failures in all full year classes can be made up if the student receives a "C" or better for the second semester. That is, a student showing proficiency in the course content in the second semester with a grade of "C" or better will receive a "D" for the first semester. If a student also fails the second semester, the course may be made up by repeating the entire course.

WAIVERS

- Advancement to a more challenging course in each discipline except foreign language requires an "A" or "B" and recommendation from the course teacher. If the student has a "C" in a course and wishes to move to a more challenging section, the student and parent/guardian must sign a waiver.
- To advance to a third-year course in foreign languages, a student must receive an "A" or "B" in the second-year course. If a student has a "C" in the second-year course and wishes to enroll in the third-year course, the student and parent/guardian must sign a waiver.

Waivers must be signed by both the student and their parent/guardian. **Once a waiver is signed, the student must remain in the class until the end of the semester.** If the student drops an advanced course at the end of the semester, he/she may never sign another waiver for another advanced class in that discipline. Careful consideration should be given before signing a waiver.



NCAA CLEARINGHOUSE REQUIREMENTS

Students aspiring to play Division I or II athletics must register with NCAA Clearinghouse (www.eligibilitycenter.org) following their junior year of high school.

DIVISION I ACADEMIC REQUIREMENTS

CORE COURSE REQUIREMENTS

- English 4 years
- Math 3 years (Algebra 1 or higher)
- Science 2 years (including one year of lab)
- Additional 1 year (English, Math, or Science)
- Social Science 2 years
- Additional Courses 4 years (Any area listed to the left, word language, or non doctrinal religion/philosophy)

FULL QUALIFIER - College-bound student-athletes will need to meet the following academic requirements to practice, receive athletic scholarships, and/or compete during the first year:

- As a Division I qualifier, you may practice, compete and receive an athletics scholarship during your first year of full-time enrollment at an NCAA Division I school.
- Earn 16 NCAA-approved core-course credits in the right areas.
- Complete 10 of your 16 NCAA-approved core-course credits, including seven in English, math or science, before the start of the seventh semester.
- Complete your 16 NCAA-approved core-course credits in eight academic semesters or four consecutive academic years from the start of ninth grade.
- Earn a minimum 2.3 core-course GPA.
- Submit your final transcript with proof of graduation to the Eligibility Center.

ACADEMIC REDSHIRT – As a Division I academic redshirt, you may practice during your first regular academic term and receive an athletics scholarship during your first year of full-time enrollment but may NOT compete during your first year of enrollment. You must pass either eight quarter or nine semester hours to practice in the next term:

- Earn 16 NCAA-approved core-course credits in the right areas.
- Earn a minimum 2.0 core-course GPA.
- Submit your final transcript with proof of graduation to the Eligibility Center

NONQUALIFIER – College-bound student-athletes cannot practice, receive athletic scholarships, or compete during their first year of enrollment at an NCAA Division I school.

TEST SCORES

In January 2023, NCAA Divisions I and II adopted legislation to remove standardized test scores from initial-eligibility requirements. Check with the NCAA school you plan to attend regarding whether standardized test scores are necessary for admission or scholarship requirements.



DIVISION II ACADEMIC REQUIREMENTS

CORE COURSE REQUIREMENTS

English 3 years

Math (Algebra 1 or higher) 2 years

Science (including one year of lab) 2 years

Additional (English, Math, or Science) 3 years

Social Science 2 years

Additional Courses 4 years (Any area listed to the left, world language, or nondoctrinal religion/philosophy)

FULL QUALIFIER – College-bound student-athletes enrolling at an NCAA Division II school need to meet the following academic rules to practice, compete, and receive athletic scholarships during their first year:

- Complete 16 core courses
- Earn a core-course GPA of at least 2.200
- Submit your final transcript with proof of graduation to the Eligibility Center.

PARTIAL QUALIFIER – College-bound student-athletes enrolling at an NCAA Division II school need to meet the following academic rules to receive athletic scholarships during their first year of enrollment and to practice during their first regular academic term but may NOT compete during their first year of enrollment:

- Complete 16 core courses in the following areas:
 - 3 years of English
 - 2 years of math (Algebra I or higher)
 - 2 years of natural/physical science (including one year of lab science if offered)
 - 2 years of social science
 - 3 additional years of English, math, or natural/physical science
 - 4 years of additional courses (any area above, foreign language, or comparative religion/philosophy)
- Earn a core-course GPA of at least 2.000 **OR**
- Earn an SAT combined score of at least 820 OR an ACT sum score of at least 68
- Graduate high school

NONQUALIFIER – College-bound student-athletes may not practice, compete, or receive athletic scholarships during their first year of enrollment at an NCAA Division II school.



ALL NCAA APPROVED COURSES

SOCIAL STUDIES	COURSE NAME	ENGLISH	COURSE NAME
HIST 101	CIVICS	ENG 101	FRESHMAN ENGLISH
HIST 102	ACCELERATED CIVICS	ENG 102	ACCELERATED FRESHMAN ENGLISH
HIST 103	HONORS CIVICS	ENG 103	HONORS FRESHMAN ENGLISH
HIST 201	WORLD HISTORY	ENG 201	SOPHOMORE ENGLISH
HIST 202	ACCELERATED WORLD HISTORY	ENG 202	ACCELERATED SOPHOMORE ENGLISH
HIST 203	HONORS WORLD HISTORY	ENG 203	HONORS SOPHOMORE ENGLISH
HIST 301	US HISTORY	ENG 301	JUNIOR ENGLISH
HIST 302	ACCELERATED US HISTORY	ENG 302	ACCELERATED JUNIOR ENGLISH
HIST 303	HONORS US HISTORY	ENG 303	HONORS JUNIOR ENGLISH
HIST 221	CURRENT AFFAIRS I	ENG 401	SENIOR ENGLISH
HIST 231	CURRENT AFFAIRS II	ENG 402	ACCELERATED SENIOR ENGLISH
PSYCH 301	GENERAL PSYCHOLOGY I	ENG 403	HONORS AP SENIOR ENGLISH
PSYCH 311	GENERAL PSYCHOLOGY II	OTHER	COURSE NAME
HIST 401	WORLD WARS	SPCH 401	SPEECH/BROADCASTING
HIST 411	MODERN US HISTORY		
HIST 403	HONORS GREEK AND ROMAN CIVILIZATION		
HIST 413	HONORS MEDIEVAL HISTORY		
HIST 503	HONORS AP EUROPEAN HISTORY		
SCIENCE	COURSE NAME		
SCI 101	BIOLOGY	MATH 101	ALGEBRA 1
SCI 102	ACCELERATED BIOLOGY	MATH 102	ACCELERATED ALGEBRA 1
SCI 103	HONORS BIOLOGY	MATH 103	HONORS ALGEBRA 1
SCI 201	CHEMISTRY	MATH 201	GEOMETRY
SCI 202	ACCELERATED CHEMISTRY	MATH 202	ACCELERATED GEOMETRY
SCI 203	HONORS CHEMISTRY	MATH 203	HONORS GEOMETRY
SCI 302	ENVIRONMENTAL SCIENCE	MATH 301	ALGEBRA 2
SCI 312	ASTRONOMY	MATH 302	ACCELERATED ALGEBRA 2
SCI 303	HONORS ANATOMY & PHYSIOLOGY	MATH 303	HONORS ALGEBRA 2
SCI 403	HONORS PHYSICS	MATH 401	COLLEGE ALGEBRA & TRIGONOMETRY
SCI 503	HONORS ADVANCED CHEMISTRY	MATH 402	ACCELERATED COLLEGE ALGEBRA & TRIGONOMETRY
BIOM 101	FORENSIC SCIENCE	MATH 403	HONORS COLLEGE ALGEBRA & TRIGONOMETRY
BIOM 201	HONORS MEDICAL TERMINOLOGY & DIAGNOSIS	MATH 502	HONORS STATISTICS
BIOM 403	HONORS BIOMEDICAL RESEARCH	MATH 503	HONORS CALCULUS
ENGR 101	INTRO TO ENGINEERING DESIGN		
ENGR 201	DIGITAL ELECTRONICS		
ENGR 303	HONORS PRINCIPLES OF ENGINEERING		
ENGR 401	HONORS ENGINEERING RESEARCH		



ACADEMIC COURSES

NCAA courses are denoted with a * by the course title
 SLU 1818 courses are denoted with a ^ by the course title
AVAILABILITY OF COURSES IS SUBJECT TO CHANGE BASED ON STUDENT ENROLLMENT.

THEOLOGY DEPARTMENT**Graduation requirement: 4 credit hours**

Students will take all classes listed. Freshmen take 100 level classes, sophomores take 200 level classes, juniors take 300 level classes, and seniors take 400 level classes.

THEOLOGY TRACKS			
FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
THEO 101 FRESHMAN THEOLOGY	THEO 201 SOPHOMORE THEOLOGY	THEO 301 JUNIOR THEOLOGY	THEO 401 SENIOR THEOLOGY

THEO 101**Freshman Theology****ALL YEAR/ 1 credit****Prerequisite:** NONE

Semester 1: The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through the study of the Bible, they will come to encounter the living Word of God, Jesus Christ. In this course they will learn about the Bible, authored by God, through inspiration and its value to people throughout the world. They will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section. The students will pay particular attention to the Gospels where they may grow to know and love Jesus Christ more personally.

Semester 2: Students will be introduced to the mystery of Jesus Christ, the living Word of God, and the Second Person of the Blessed Trinity. Students will come to understand that Jesus Christ is the ultimate revelation to us from God. In learning about who He is, the students will also learn who He calls them to be.

Student Activities: Prayer experiences, not taking, group discussions, presentations, and exegesis.

Student Evaluation: In-class assignments, homework assignments, quizzes, tests, projects, and final exam.

THEO 201**Sophomore Theology****ALL YEAR/ 1 credit****Prerequisite:** THEO 101 Freshman Theology

Semester 1: The purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ. Through this course, students will learn that for all eternity, God has planned for us to share eternal happiness with Him, which is accomplished through the redemption Christ won for us. They will learn that they share this redemption only in and through Jesus Christ. Students will also be introduced to what it means to be a disciple of Jesus Christ and what life as a disciple entails.

Semester 2: The purpose of this course is to help the students understand that in and through the Church they encounter the living Jesus Christ. They will be introduced to the fact that the church was founded by Christ through the Apostles and is sustained by Him through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today. This Body has both divine and human elements. In this course students will learn not so much about events in the life of the Church, but about the sacred nature of the Church.

Student Activities: Note-taking, journals, prayer experiences, and group discussion.

Student Evaluation: Prayer experience, classroom assignments, homework assignments, reflection papers, tests, projects, and final exam.



THEO 301	Junior Theology	ALL YEAR/ 1 credit
<p>Prerequisite: THEO 201 Sophomore Theology</p> <p>Semester 1: The purpose of this course is to help students understand that they can encounter Jesus Christ today in a full and real way in and through the sacraments and especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Jesus Christ throughout life.</p> <p>Semester 2: Theology will help students understand that it is only through Jesus Christ that they can fully live out God's plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Jesus Christ's disciples.</p> <p>Student Activities: Presentations, group discussions, prayer experiences, and some note taking.</p> <p>Student Evaluation: Classroom assignments, homework assignments, tests, and final exam.</p>		
THEO 401	Senior Theology	ALL YEAR/ 1 credit
<p>Prerequisite: THEO 301 Junior Theology</p> <p>Semester 1: Senior Theology is an exploration and study that synthesized religious education over four years into an integrated, holistic review of Catholic theology. The course will also provide an introduction to theological reflection, theological vocabulary, close read of text, and analysis of social context with historical and formational components.</p> <p>Semester 2: Designed to continue the growth of the students' love and comprehension of the New Testament. Students will learn how to use the New Testament for prayer, love, and understanding of how a Catholic Christian should trust and believe in God.</p> <p>Course Objective: To initiate the student into college-level theological conversation and study and give them the skills, tools, and resources necessary for further study at the university level, including:</p> <ul style="list-style-type: none"> • Reading and writing at the senior level • Methods of contextual analysis • Practice in theological reflection • Understanding the role of theological study within other disciplines 		



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 SLU 1818 courses are denoted with a ^ by the course title
AVAILABILITY OF COURSES IS SUBJECT TO CHANGE BASED ON STUDENT ENROLLMENT.

ENGLISH DEPARTMENT

Graduation requirement: 4 credit hours

HONORS PROGRAM – Students enrolled in the Honors Program must fulfill all prerequisite requirements as explained under each course. Students may **not** continue or re-enroll in honors if either, or both, of the following situations occur:

- A student personally chooses to drop from an Honors course
- A student fails to maintain a “B” average in one or more Honors courses

TYPICAL ENGLISH TRACKS				
	FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
1	ENG 101 FRESHMAN ENGLISH	ENG 201 SOPHOMORE ENGLISH	ENG 301 JUNIOR ENGLISH	ENG 401 SENIOR ENGLISH
2	ENG 102 ACCELERATED FRESHMAN ENGLISH	ENG 202 ACCELERATED SOPHOMORE ENGLISH	ENG 302 ACCELERATED JUNIOR ENGLISH	ENG 402 ACCELERATED SENIOR ENGLISH
3	ENG 103 HONORS FRESHMAN ENGLISH	ENG 203 HONORS SOPHOMORE ENGLISH	ENG 303 HONORS JUNIOR ENGLISH	ENG 403 HONORS SENIOR ENGLISH

FRESHMAN ENGLISH

ENG 101

Freshman English*

ALL YEAR/ 1 credit

Prerequisite: THEO 201 Sophomore Theology

Semester 1: The purpose of this course is to help students understand that they can encounter Jesus Christ today in a full and real way in and through the sacraments and especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Jesus Christ throughout life.

Semester 2: Theology will help students understand that it is only through Jesus Christ that they can fully live out God’s plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Jesus Christ’s disciples.

Student Activities: Presentations, group discussions, prayer experiences, and some note taking.

Student Evaluation: Classroom assignments, homework assignments, tests, and final exam.

ENG 102

Accelerated Freshman English*

ALL YEAR/ 1 credit

Prerequisite: Recommendation at registration.

Description: The purpose of this class is to review language skills, develop writing skills, and work on speech and oratory skills all through a variety of texts of literature.

Student Activities: Students are given grammar instruction for use in the writing process. Some literary pieces will be read for the use in literary analysis. Texts will serve as an introduction to a variety of genres including short stories, poetry, plays, and novels. A variance of assessments will give students an opportunity to experience texts through several lenses. Larger texts will include *Romeo and Juliet*, *Speak*, and *The House of the Scorpion*.

Student Evaluation: Essays, objective tests, written analyses, creative projects, presentations, and final exam.



ENG 103**Honors Freshman English*****ALL YEAR/ 1 credit****Prerequisite:** Recommendation at registration.**Description:** The purpose of this class is to focus on the development of written and verbal communication of organizational skills for presentation and a variety of literary analysis for a better comprehension while reading literature.**Student Activities:** Students will read a variety of short stories and texts supported through a 9th grade textbook. Students will receive continued grammar and vocabulary instruction.**Student Evaluation:** Short essays, objective tests, creative projects, presentations, and final exam.***SOPHOMORE ENGLISH*****ENG 201****Sophomore English*****ALL YEAR/ 1 credit****Prerequisite:** Students not maintaining a “C” or above in ENG 102 OR students not maintaining an “A” in ENG 101.**Description:** The purpose of this class is to work as a continued introduction of a variety of classic world literature through short stories, poetry, drama, and nonfiction. This course will also focus on the development of research skills through writing and composition.**Student Activities:** Students will read a variety of short stories and texts supported through a 10th grade textbook. Students will begin to delve deeper into plot analysis, mood, setting, characterization, and theme. Students will receive continued grammar and vocabulary instruction. Students will learn to successfully apply MLA formatting and citation styles. Students will also complete an accurately cited research paper/project. Discussions will apply ideas from the texts to current events and societal issues at home and around the globe.**Student Evaluation:** Research project, essays, objective tests, creative projects, presentations, and final exam.**ENG 202****Accelerated Sophomore English*****ALL YEAR/ 1 credit****Prerequisite:** Students maintaining a “C” or above in ENG 102 OR students maintaining an “A” in ENG 101 with teacher recommendation.**Description:** The purpose of this class is to continue to introduce a variety of classic world literature through short stories, poetry, drama, and nonfiction. This course will be more rigorous than ENG 201 and also focus on the development of research skills through writing and composition.**Student Activities:** Students will read a variety of short stories and texts supported through a 10th grade textbook. Students will begin to delve deeper into plot analysis, mood, setting, characterization, and theme. Students will receive continued grammar and vocabulary instruction. Students will learn to successfully apply MLA formatting and citation styles. Students will also complete an accurately cited research paper/project. Discussions will apply ideas from the texts to current events and societal issues at home and around the globe.**Student Evaluation:** Research project, essays, objective tests, creative projects, presentations, and final exam.

ENG 203**Honors Sophomore English*****ALL YEAR/ 1 credit**

Prerequisite: Students maintaining a “B” or above in both semesters of HONORS ENG 103 or maintain an “A” in ENG 102 with teacher recommendation.

Description: The purpose of this class is to continue to introduce a variety of classic world literature through both novel and short stories. This course will introduce language arts concepts through a combination of literary study, and research and composition. Students will learn to successfully apply MLA formatting and citation styles.

Student Activities: Students will compose a variety of papers throughout the year, including fully documented research papers. Students will begin to delve deeper into analysis, symbolism, and theme. Discussions will apply ideas from the texts to current events and societal issues at home and around the globe. Students read and discuss several longer pieces, for example, *Julius Caesar* and *Macbeth*.

Student Evaluation: Research project, essays, objective tests, creative projects, presentations, and final exam.

JUNIOR ENGLISH**ENG 301****Junior English*****ALL YEAR/ 1 credit**

Prerequisite: Students not maintaining a “C” or above in ENG 202 OR students not maintaining an “A” in ENG 201.

Description: The purpose of this class is to allow students to develop their skills as authors in a variety of writing assignments. Students will get continued practice in the development of sentences and paragraph writing to create more clearly written essays and compositions. Literature will serve as an overview and sampling of texts representative and iconic of American Literature from the Early American Experience thru the Modern Age. This course will also develop a researched and MLA documented creative project/paper as well.

Student Activities: Students will gain continued practice in a variety of composition styles such as personal narrative, research, and literary analysis. Students will analyze a variety of short stories, novels, narratives, journals, drama, and other nonfiction accounts of this time period.

Student Evaluation: Research project, essays, objective tests, creative projects, presentations, and final exam.

ENG 302**Accelerated Junior English*****ALL YEAR/ 1 credit**

Prerequisite: Students maintaining a “C” or above in ENG 202 OR students maintaining an “A” in ENG 201 with teacher recommendation.

Description: This class is more rigorous than ENG 301 and will allow students to develop their skills as authors in a variety of writing assignments. Students will get continued practice in the development of sentences and paragraph writing to create more clearly written essays and compositions. Literature will serve as an overview and sampling of texts representative and iconic of American Literature from the Early American Experience thru the Modern Age. This course will also develop a researched and MLA documented creative project/paper as well.

Student Activities: Students will gain continued practice in a variety of composition styles such as personal narrative, research, and literary analysis. Students will analyze a variety of short stories, novels, narratives, journals, drama, and other nonfiction accounts of this time period.

Student Evaluation: Research project, essays, objective tests, creative projects, presentations, and final exam.



ENG 303**Honors Junior English*****ALL YEAR/ 1 credit**

Prerequisite: Overall 3.0 GPA, teacher recommendation, and completion of Honors ENG 203 with a “B” or higher.

Description: In semester 1, this course will delve into a variety of writing genres including creative writing, research papers, presentations, and resumes. This course will also teach through a mastery of English grammar and mechanics as well as MLA formatting.

In semester 2, this course will examine important works of literature in the context and theme of Cultural Conflict and Social Justice. We will also analyze the real life cultural and historical events influencing the creation of these texts, their intention for their audience, and their relevance/significance in today’s society. This course may utilize poems, short stories, and novels from a variety of time periods.

Student Evaluation: Discussions, critical responses, formal essays, objective tests, creative projects, presentations, and final exam.

SENIOR ENGLISH**ENG 401****Senior English*****ALL YEAR/ 1 credit**

Prerequisite: Students not maintaining a “C” or above in ENG 302 OR students not maintaining an “A” in ENG 301.

Description: This course will allow students to develop their skills in a variety of creative writing assignments. This course will also develop at least one major, fully documented, MLA accurate research paper as well. This course will also serve as an overview and sampling of texts representative and iconic of a specific literary topic. This course will build on concepts and literary terminology directly covered in ENG 301. This topic may vary and is at instructor discretion at the beginning of the semester. Topics may include Folklore & Mythology, Historical Fiction, and Science Fiction, among others.

Student Activities: Students will analyze their own writing styles as well as the styles of other authors and a variety of texts including short stories, novels, drama, and poetry.

Student Evaluation: Essays, objective tests, creative projects, presentations, and final exam.

ENG 402**Accelerated Senior English*****ALL YEAR/ 1 credit**

Prerequisite: Students maintaining a “C” or above in ENG 302 OR students maintaining an “A” in ENG 301 with teacher recommendation.

Description: This course will allow students to develop their skills in a variety of creative writing assignments at a more rigorous level than ENG 401. This course will also develop at least one major, fully documented, MLA accurate research paper as well. This course will also serve as an overview and sampling of texts representative and iconic of a specific literary topic. This course will build on concepts and literary terminology directly covered in ENG 302. This topic may vary and is at instructor decision at the beginning of the semester. Topics may include Folklore & Mythology, Historical Fiction, Science Fiction, among others.

Student Activities: Students will analyze their own writing styles as well as the styles of other authors and a variety of texts including short stories, novels, drama, and poetry.

Student Evaluation: Essays, objective tests, creative projects, presentations, and final exam.



ENG 403**Honors Senior English*****ALL YEAR/ 1 credit**

Prerequisite: Overall 3.0 GPA, teacher recommendation, and completion of Honors ENG 303 with a “B” or higher.

Description: During semester 1, this course will look at the reliability of characters and narrators in a variety of texts. This course may utilize poems, short stories, and novels from a variety of time periods.

During semester 2, this course will delve into a variety of written topics. Students will submit a rhetorical analysis, casual analysis, problem proposal, and an argumentative essay. The course will culminate with the creation of a reflective portfolio.

Student Evaluation: Discussions, critical responses, formal essays, objective tests, creative projects, presentations, and final exam.

ELECTIVES

The following courses do not count as English credit toward graduation requirements.

SPCH 401/411**Speech Communications*****SEM 1/2 / 0.5 credit**

Prerequisite: Overall 3.0 GPA, teacher recommendation, and completion of Honors ENG 303 with a “B” or higher.

Description: During semester 1, this course will look at the reliability of characters and narrators in a variety of texts. This course may utilize poems, short stories, and novels from a variety of time periods.

During semester 2, this course will delve into a variety of written topics. Students will submit a rhetorical analysis, casual analysis, problem proposal, and an argumentative essay. The course will culminate with the creation of a reflective portfolio.

Student Evaluation: Discussions, critical responses, formal essays, objective tests, creative projects, presentations, and final exam.

BRD 101**Broadcasting****ALL YEAR/ 1 credit**

Prerequisite: NONE

Description: This course is an introduction to the basic principles, procedures, and techniques of television production.

Student Evaluation: Class participation, quizzes, and tests.



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 SLU 1818 courses are denoted with a ^ by the course title
AVAILABILITY OF COURSES IS SUBJECT TO CHANGE BASED ON STUDENT ENROLLMENT.

MATHEMATICS DEPARTMENT

Graduation requirement: 3 credit hours

A TI-84 (any version) calculator is *required* for all math courses

PLACEMENT – Enrollment in Honors Algebra I, Accelerated Algebra I, and Algebra I will be based on the placement test, 7th and 8th grade math scores, and recommendation of the 8th grade teacher. Students taking Accelerated Algebra I and Algebra I will be recommended for the next class based on their grade and the current teacher recommendation. Enrollment in the Honors Geometry class as a freshman will be available for freshman who have taken the Althoff Catholic sponsored 8th grade Algebra I class with the grade of “A” or “B”. Students not enrolled in the Althoff Catholic sponsored class may qualify for Honors Geometry by taking the Honors Algebra I final exam given at Althoff Catholic in May. A student must earn an “A” or “B” on the exam.

HONORS PROGRAM – After freshman year, placement will depend on success in the current math class and recommendation of the teacher. Students enrolled in an honors class may re-enroll in the next honors class if they have an “A” or “B” average.

- A student with a “C” average will need to commit to a tutor and sign a waiver if they choose to stay in the honors program.
- A student with a “D” or below average may not continue in the honors program.
- Sophomores who are enrolled in MATH 203 Honors Geometry may also enroll in MATH 303 Honors Algebra II concurrently, with a prerequisite of an “A” in Honors Algebra I.

TYPICAL MATH TRACKS				
	FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
1	MATH 101 ALGEBRA I	MATH 201 GEOMETRY	MATH 301 ALGEBRA II	MATH 401 COLLEGE ALGEBRA & TRIGONOMETRY^
2	MATH 102 ACCELERATED ALGEBRA I	MATH 202 ACCELERATED GEOMETRY	MATH 302 ACCELERATED ALGEBRA II	MATH 402 ACCELERATED COLLEGE ALGEBRA & TRIGONOMETRY^
3 A	MATH 103 HONORS ALGEBRA I	MATH 203 HONORS GEOMETRY -- **MATH 303 HONORS ALGEBRA II	MATH 303 HONORS ALGEBRA II -- **MATH 403 HONORS COLLEGE ALGEBRA & TRIGONOMETRY	MATH 403 HONORS COLLEGE ALGEBRA & TRIGONOMETRY^ -- **MATH 502 HONORS STATISTICS^ <u>and/or</u> MATH 503 HONORS CALCULUS^
<u>O</u> <u>R</u> 3 B	MATH 203 HONORS GEOMETRY	MATH 303 HONORS ALGEBRA II	MATH 403 HONORS COLLEGE ALGEBRA & TRIGONOMETRY	MATH 502 HONORS STATISTICS^ <u>and/or</u> MATH 503 HONORS CALCULUS^

^OPTIONAL MATH ELECTIVE. NOT REQUIRED FOR GRADUATION

**MATH 303 Honors Algebra II may be taken concurrently with MATH 203 Honors Geometry in this sequence with approval of the instructors if the student would like to be eligible to take MATH 502 Honors Statistics and/or MATH 503 Honors Calculus during their senior year.



*ALGEBRA I***MATH 101****Algebra I*****ALL YEAR/ 1 credit****Prerequisite:** NONE**Description:** This course will include linear equations, functions, inequalities, systems, exponents, factoring, quadratics, and radicals.**Student Activities:** Note taking, homework assignments, and class participation.**Student Evaluation:** Homework, quizzes, tests, and final exam.**MATH 102****Accelerated Algebra I*****ALL YEAR/ 1 credit****Prerequisite:** Placement score and teacher recommendation.**Description:** This course covers linear equations and functions, inequalities, systems, exponents, exponential functions, radicals and radical functions, rational expressions, and equations; as well as quadratic expressions, equations, and functions.**Student Activities:** Note taking, homework assignments, and class participation.**Student Evaluation:** Quizzes, tests, and final exam.**MATH 103****Honors Algebra I*****ALL YEAR/ 1 credit****Prerequisite:** Placement score and teacher recommendation.**Description:** This course covers all elements of Algebra I in greater depth and includes radical work related to geometry and trigonometry.**Student Activities:** Note taking, homework assignments, and class participation.**Student Evaluation:** Quizzes, tests, and final exam.*GEOMETRY***MATH 201****Geometry*****ALL YEAR/ 1 credit****Prerequisite:** MATH 101 Algebra I, or completion of MATH 102 Accelerated Algebra I with a “D”.**Description:** In this course students will learn to: recognize and understand concepts and terms from plane and solid geometry; apply postulates and theorems involving quadrilaterals, polygons, circles, and similar shapes; use perimeter, area, and volume formulas; apply the Pythagorean Theorem, work with special right triangles, and od basic trigonometry involving right triangles; solve proportions, do measurements, and unit conversions. Algebraic skills will be used in solving geometric problems.**Student Activities:** Note taking, homework assignments, and class participation.**Student Evaluation:** Homework, quizzes, tests, and final exam.**MATH 202****Accelerated Geometry*****ALL YEAR/ 1 credit****Prerequisite:** MATH 102 Accelerated Algebra I with an “A”, “B”, or “C”.**Description:** This course covers concepts from plane and solid geometry including application of postulates and theorems in proofs and problems, algebraic and two-column geometric proofs, triangle congruence, quadrilaterals, proportions & similarity, right triangles & trigonometry, polygons, circles, and transformations & symmetry. Measurement, unit conversion, and algebra skills will be required in problem solving.**Student Activities:** Note taking, homework assignments, and class participation.**Student Evaluation:** Homework, quizzes, tests, and final exam.

MATH 203**Honors Geometry*****ALL YEAR/ 1 credit**

Prerequisite: MATH 103 Honors Algebra I with an “A” or “B”, MATH 102 Accelerated Algebra I with an “A” and recommendation by the math teacher or a passing score on the Algebra I placement exam given by Althoff.

Description: In addition to material covered in Accelerated Geometry, this course will study Geometry with greater depth. Logic is introduced and deductive thinking is emphasized through two-column proofs. Algebraic skills are stressed in solving geometric problems. The course includes an introduction to analytic geometry.

Student Activities: Note taking, homework assignments, and class participation.

Student Evaluation: Homework, quizzes, tests, and final exam.

*ALGEBRA II***MATH 301****Algebra II*****ALL YEAR/ 1 credit**

Prerequisite: MATH 201 Geometry, or completion of Accelerated Geometry with a “D”.

Description: This course includes linear, quadratic polynomial, radical, exponential, logarithmic, and rational functions and relations. Graphing calculator technology is fully integrated throughout this course.

Student Activities: Note taking, homework assignments, and class participation.

Student Evaluation: Homework, quizzes, tests, and final exam.

MATH 302**Accelerated Algebra II*****ALL YEAR/ 1 credit**

Prerequisite: MATH 202 Accelerated Geometry with an “A”, “B”, or “C”.

Description: This course will include linear, quadratic, polynomial, radical, exponential, logarithmic, and rational functions and relations as well as conic sections. Graphing calculator technology is fully integrated throughout this course.

Student Activities: Note taking, homework assignments, and class participation.

Student Evaluation: Homework, quizzes, tests, and final exam.

MATH 303**Honors Algebra II*****ALL YEAR/ 1 credit**

Prerequisite: MATH 203 Honors Geometry with an “A” or “B” and teacher recommendation, OR completion of MATH 202 Accelerated Geometry with an “A” and recommendation by the math teacher OR concurrently enrolled in MATH 203 Honors Geometry with an “A” in MATH 103 Honors Algebra I and teacher recommendation.

Description: In addition to the material covered in Accelerated Algebra II, this course will cover linear programming, series and sequences, and probability. Word problems are fully integrated throughout the course.

Student Activities: Note taking, homework assignments, and class participation.

Student Evaluation: Homework, quizzes, tests, projects, and final exam.



*COLLEGE ALGEBRA & TRIGONOMETRY***MATH 401****College Algebra & Trigonometry*****ALL YEAR/ 1 credit**

Prerequisite: MATH 301 Algebra II, or completion of MATH 302 Accelerated Algebra II with a “D”.

Description: This course is designed to further develop algebraic skills before College Algebra. This course covers Algebra for the first three quarters and trigonometry for the fourth quarter.

Student Activities: Note taking, homework assignments, and class participation.

Student Evaluation: Quizzes, tests, and final exam.

MATH 402**Accelerated College Algebra & Trigonometry*****ALL YEAR/ 1 credit**

Prerequisite: MATH 302 Accelerated Algebra II with an “A”, “B”, or “C”.

Description: Semester 1 This course will provide the essential concepts and skills of algebra and the study of functions that are needed for further study in mathematics. Topics include: linear, quadratic, exponential, logarithmic, rational functions; conic sections, matrices, graphing, sequence and series, and probability.

Semester 2: This course will include the definition of trigonometry and circular functions, how to find both sides and angles of right and oblique triangles, how to prove and simplify trigonometric functions, graphing the six trigonometric functions, usage of the Laws of Sines and Cosines, and half, double, and composite angle formulas.

Student Activities: Note taking, homework assignments, and class participation.

Student Evaluation: Quizzes, tests, and final exam.

MATH 403**Honors College Algebra & Trigonometry*****ALL YEAR/ 1 credit**

Prerequisite: MATH 303 Honors Algebra II with an “A” or “B” and teacher recommendation, OR completion of MATH 302 Accelerated Algebra II with an “A” and recommendation by the math teacher

Description: Semester 1: This course is taught through Saint Louis University’s 1818 dual credit program. This course will include all material in College Algebra, but a special emphasis is given to the preparation for the study of higher mathematics. Topics will also include: conic sections, graphing, linear programming, functions, and matrices.

Semester 2: All material in trigonometry will be included in this course. Real world applications will be stressed.

Student Activities: Note taking, homework assignments, and class participation.

Student Evaluation: Homework, quizzes, tests, projects, and final exam.



*SENIOR ELECTIVE MATH***MATH 502****Honors Statistics*^****ALL YEAR/ 1 credit**

Prerequisite: MATH 403 Honors College Algebra & Trigonometry OR recommendation of math teacher. May be taken concurrently with MATH 503 Honors Calculus.

Description: This course is taught through Saint Louis University 1818 dual credit program. This course will cover data production and analysis, probability basics and distributions, sampling, estimation with confidence intervals, hypothesis testing, the t-test, correlation and regression, cross-tabulations, and chi-square testing. Students will learn to use the software package Excel and R-Studio.

Student Activities: Note taking, homework assignments, and class participation.

Student Evaluation: Homework, quizzes, tests, and final exam.

MATH 503**Honors Calculus*^****ALL YEAR/ 1 credit**

Prerequisite: MATH 403 Honors College Algebra & Trigonometry and recommendation of math teacher. May be taken concurrently with MATH 502 Honors Statistics.

Description: This course is taught through Saint Louis University 1818 dual credit program. In this course student will learn differential and integral calculus and its applications in business and science. Topics such as domain and range, limits of functions, graphs, exponential and logarithmic functions are also included.

Student Activities: Note taking, homework assignments, and class participation.

Student Evaluation: Homework, quizzes, tests, and final exam.



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SCIENCE DEPARTMENT

Graduation requirement: 3 credit hours

Biology (any level) and Chemistry (any level) are both required courses to graduate.
 Additionally, students must choose one science elective course to fulfill the third credit requirement.

TYPICAL SCIENCE TRACKS				
	FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
1	OPTIONAL ELECTIVE	SCI 101 BIOLOGY	SCI 201 CHEMISTRY	SCI 302 ENVIRONMENTAL SCIENCE / SCI 312 ASTRONOMY
2 A	SCI 102 ACCELERATED BIOLOGY -- ENGR 101 INTRO TO ENGINEERING DESIGN**	SCI 202 ACCELERATED CHEMISTRY -- ENGR 201 DIGITAL ELECTRONICS**	ENGR 303 HON PRINCIPLES OF ENGINEERING -- SCI 302 ENVIRONMENTAL SCIENCE / SCI 312 ASTRONOMY	ENGR 403 HON ENGINEERING RESEARCH
2 B	SCI 102 ACCELERATED BIOLOGY -- BIOM 101 FORENSIC SCIENCE**	SCI 202 ACCELERATED CHEMISTRY -- BIOM 201 MEDICAL TERMINOLOGY & DIAGNOSIS**	SCI 303 HON ANATOMY & PHYSIOLOGY (WITH APPROVAL)	BIOM 403 HON BIOMEDICAL RESEARCH
3 A	SCI 102 HONORS BIOLOGY -- ENGR 101 INTRO TO ENGINEERING DESIGN**	SCI 203 HONORS CHEMISTRY -- ENGR 201 DIGITAL ELECTRONICS**	ENGR 303 HON PRINCIPLES OF ENGINEERING -- SCI 403 HON PHYSICS -- SCI 503 HON ADVANCED CHEMISTRY	SCI 403 HON PHYSICS -- ENGR 403 HON ENGINEERING RESEARCH -- SCI 503 HON ADVANCED CHEMISTRY
3 B	SCI 102 HONORS BIOLOGY -- BIOM 101 FORENSIC SCIENCE**	SCI 203 HONORS CHEMISTRY -- BIOM 201 MEDICAL TERMINOLOGY & DIAGNOSIS**	SCI 303 HON ANATOMY & PHYSIOLOGY -- SCI 403 HON PHYSICS -- SCI 503 HON ADVANCED CHEMISTRY	SCI 403 HON PHYSICS -- BIOM 403 HON BIOMEDICAL RESEARCH -- SCI 503 HON ADVANCED CHEMISTRY

**Electives may be taken in addition to Biology or Chemistry. Students will also choose from these to complete their 3rd year science requirement. The chart above is an example of typical science tracks our students follow. Please speak with your counselor to arrange a track that works for you.



REQUIRED SCIENCE COURSES

*BIOLOGY***SCI 101****Biology*****ALL YEAR/ 1 credit****Prerequisite:** NONE

Description: Students will examine the world of biology and cover wide ranges of concepts. Students will also examine how biology affects their everyday lives. Study will include both classroom and laboratory work. In the lab, students will have an opportunity to investigate biological concepts and principles, as well as learn basic lab skills and techniques.

Student Activities: Supplemental classroom work with use of microscopes. NOTE: students may be required to study preserved animal specimens.

Student Evaluation: Tests, quizzes, homework assignments, laboratory reports, group projects, and final exam.

SCI 102**Accelerated Biology*****ALL YEAR/ 1 credit****Prerequisite:** Placement score and teacher recommendation.

Description: Students will examine the world of biology and cover wide ranges of concepts at a more rigorous level than SCI 101. Students will also examine how biology affects their everyday lives. Study will include both classroom and laboratory work. In the lab, students will have an opportunity to investigate biological concepts and principles, as well as learn basic lab skills and techniques.

Student Activities: Supplemental classroom work with use of microscopes. NOTE: students may be required to study preserved animal specimens.

Student Evaluation: Tests, quizzes, homework assignments, laboratory reports, group projects, and final exam.

SCI 103**Honors Biology*****ALL YEAR/ 1 credit****Prerequisite:** Placement score and teacher recommendation.

Description: Student will gain a deeper understanding of course concepts through supplemental classroom work.

Student Activities: Use of microscopes, various laboratory activities.

Student Evaluation: Tests, quizzes, homework assignments, laboratory work, laboratory reports, projects, and final exam.

NOTE: Students will be required to study preserved animal specimens.



CHEMISTRY

SCI 201

Chemistry*

ALL YEAR/ 1 credit

Prerequisite: SCI 101 Biology, or completion of SCI 102 Accelerated Biology with a “D”.

Description: This course consists of a blend of traditional chemistry, modern concepts, and real-world applications. Theory, as well as practical applications, is stressed. Content includes energy, states of matter, atomic structure, the periodic table, chemical formulas and bonding, molecular shape, chemical reactions and equations, gas laws, mole conversions, stoichiometry, solutions, and acids and bases.

Student Activities: Laboratory experiments, view demonstrations, apply mathematical concepts, develop problem solving skills.

Student Evaluation: Tests, quizzes, homework assignments, laboratory reports, activities, and semester exams.

SCI 202

Accelerated Chemistry*

ALL YEAR/ 1 credit

Prerequisite: SCI 102 Accelerated Biology, or completion of SCI 103 Honors Biology with a “D”.

Description: This course consists of a blend of traditional chemistry, modern concepts, and real-world applications at a more rigorous level than SCI 201. Theory, as well as practical applications, is stressed. Content includes energy, states of matter, atomic structure, the periodic table, chemical formulas and bonding, molecular shape, chemical reactions and equations, gas laws, mole conversions, stoichiometry, solutions, and acids and bases.

Student Activities: Laboratory experiments, view demonstrations, apply mathematical concepts, develop problem solving skills.

Student Evaluation: Tests, quizzes, homework assignments, laboratory reports, activities, and semester exams.

SCI 203

Honors Chemistry*

ALL YEAR/ 1 credit

Prerequisite: SCI 103 Honors Biology with an “A” or “B” and teacher recommendation.

Description: Coursework is the same as Chemistry, but on an honors level. Chemical concepts and principles will be studied in more detail. A good mathematical background is essential to success in the course due to the large amount of problem solving in class and in the laboratory.

Student Activities: Laboratory experiments, view demonstrations, apply mathematical concepts, develop problem solving skills.

Student Evaluation: Tests, quizzes, homework assignments, laboratory reports, activities, and semester exams.



ELECTIVE SCIENCE COURSES

Must choose at least one additional year of science to complete the 3 science credits required for graduation.

BIOM 101	Forensic Science*	ALL YEAR/ 1 credit
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Prerequisite: None.

Description: This course focuses on practicing forensic science and analyzing evidence found at crime scenes. The fundamental objective is to teach the processes and principles of scientific thinking so as to apply them to solving problems. Students can expect the class to contain lectures on various topics in relation to forensic techniques. Human health and medical-related topics will be covered in conjunction with the crime scene analysis.

Student Activities: Laboratory activities will be used to simulate real tests on evidence, evidence collection is used to solve a variety of problems.

Student Evaluation: Quizzes, class participation, in-class projects, case studies, final exam.

ENGR 101	Introduction to Engineering Design*	ALL YEAR/ 1 credit
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Prerequisite: MATH 103 Honors Algebra I OR is concurrently enrolled in the class.

Description: Through problems that engage and challenge, students explore a broad range of engineering topics including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

BIOM 201	Medical Terminology & Diagnosis*	ALL YEAR/ 1 credit
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Prerequisite None

Description: Introduction to Medical Terminology focuses on the essentials of medical terminology, foundational concepts of human anatomy and physiology, and the common medical terms related to the body systems. These important topics help prepare high school students to succeed in future coursework and build confidence to enter a fast-growing career field. This course will not only focus on the terminology but on the proper use of the terminology. By working through projects the students will get to put the terminology to use.

Student Activities: Lecture supplemented with group and individual projects

Student Evaluations: Quizzes, class participation, in-class projects, case studies, final exam

ENGR 201	Digital Electronics*	ALL YEAR/ 1 credit
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Prerequisite: ENGR 101 and Algebra 2. (Algebra 2 may be taken concurrently)

Description: This course exposes students to some of the major concepts they will be exposed to in post-secondary engineering courses. Students have the opportunity to develop skills and understanding of course concepts through activity, project, and problem-based learning. This course challenges students to continually hone their interpersonal skills, creative abilities, and problem-solving skills based upon engineering concepts.



ELECTIVE SCIENCE COURSES

SCI 302	Environmental Science*	SEM 1 / 0.5 credit
<p>Prerequisite: Junior or Senior status.</p> <p>Description: This course is a diverse course that investigates the relationship between humans and the world in which we live. Areas of study include conservation and protection of natural resources, environment education and communication, and environmental research.</p> <p>Student Activities: A variety of laboratory activities including outdoor prairie studies, researching, model building, and problem solving.</p> <p>Student Evaluation: Tests, quizzes, written assignments, lab reports, and a final exam.</p>		
SCI 312	Astronomy*	SEM 1 / 0.5 credit
<p>Prerequisite: Junior or Senior status.</p> <p>Description: Astronomy is a survey course of the universe to include topics of how information is gathered from astronomical distances, how the universe works, constellations, galaxies, and our solar system. Students will also spend the semester working on developing good arguments on a variety of questions. Students will also be exposed to new/current events in astronomy and cosmology.</p> <p>Student Activities: Brief lectures on various topics, hands-on activities, and projects</p> <p>Student Evaluation: Quizzes, class participation, in-class activities/projects, current events assignments, final exam.</p>		
A&P 303	Honors Anatomy & Physiology*	ALL YEAR/ 1 credit
<p>Prerequisite: Completion of Honors Chemistry with an “A” or “B”, or consent of instructor.</p> <p>Description: The topics covered include chemical, cellular and tissue levels of organization. The course will also take an in depth look at the following systems: integumentary, skeletal, muscular, digestive, urinary, respiratory, cardiovascular, nervous, and endocrine.</p> <p>Student Activities: Data collection and analysis, model building, problem solving, research presentations.</p> <p>Student Evaluation: Tests, quizzes, homework assignments, laboratory reports, research project, and semester exams.</p> <p><i>NOTE: students will be required to study preserved animal specimens.</i></p>		
ENGR 303	Honors Principles of Engineering*	ALL YEAR/ 1 credit
<p>Prerequisite: ENGR 201 with a “C” or higher.</p> <p>Description: From smartphones to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices.</p>		



ELECTIVE SCIENCE COURSES

BIOM 403

Honors BioMedical Research*

ALL YEAR/ 1 credit

Prerequisite: A&P 303 Honors Anatomy & Physiology with a “C” or higher.

Description: Students must have basic proficiency with experimental design and general laboratory skills to be successful in this course. Students delve into activities like designing a prosthetic arm as they follow the life of a fictitious family and investigate how to prevent, diagnose, and treat disease.

ENGR 403

Honors Engineering Research*

ALL YEAR/ 1 credit

Prerequisite: Completion of ENGR 303 or BIOM 303 with a “B” or higher or Honors Physics with a “B” or higher.

Description: This course provides students interested in either physics or engineering an opportunity to pursue that interest with an independent research project of their choice. They will develop, present and submit quantitative research to a variety of competitions and fairs. Students will be expected to spend a significant amount of time working independently on their own research and will present research findings to science faculty and peers as they develop their skills.

Topics to be covered include Literature review, APA writing style, measurement and measurement error, data collection and data analysis, graphing, statistics and presentation of findings.

SCI 403

Honors Physics*

ALL YEAR/ 1 credit

Prerequisite: SCI 203 Honors Chemistry with a “B”, or consent of the instructor.

Description: This course relies heavily on mathematics and combines theory with practical application. Topics to be covered include mechanics, energy, waves and light, electricity, and magnetism.

Student Evaluation: Homework problems, tests, activities, and final exam.

SCI 503

Honors Advanced Chemistry*^

ALL YEAR/ 1 credit

Prerequisite: SCI 203 Honors Chemistry with an “A” or “B” or permission of the instructor.

Description: This course is taught through Saint Louis University 1818 dual credit program. This course is intended to provide an introduction to college level expectations of the understanding of general chemistry topics. Students should be able to demonstrate an understanding through written assessment and laboratory techniques.

Student Activities: Students will perform and report on laboratory experiments.

Student Evaluation: Quizzes, tests, homework, laboratory reports, and final exam.



BIOMEDICAL SEQUENCE**BIOM 101****Forensic Science*****ALL YEAR/ 1 credit****Prerequisite:** None.

Description: This course focuses on practicing forensic science and analyzing evidence found at crime scenes. The fundamental objective is to teach the processes and principles of scientific thinking so as to apply them to solving problems. Students can expect the class to contain lectures on various topics in relation to forensic techniques. Human health and medical-related topics will be covered in conjunction with the crime scene analysis.

Student Activities: Laboratory activities will be used to simulate real tests on evidence, evidence collection is used to solve a variety of problems.

Student Evaluation: Quizzes, class participation, in-class projects, case studies, final exam.

BIOM 201**Medical Terminology & Diagnosis*****ALL YEAR/ 1 credit****Prerequisite:** BIOM 201 with a “C” or higher.

Description: Introduction to Medical Terminology focuses on the essentials of medical terminology, foundational concepts of human anatomy and physiology, and the common medical terms related to the body systems. These important topics help prepare high school students to succeed in future coursework and build confidence to enter a fast-growing career field. This course will not only focus on the terminology but on the proper use of the terminology. By working through projects the students will get to put the terminology to use.

Student Activities: Lecture supplemented with group and individual projects

Student Evaluations: Quizzes, class participation, in-class projects, case studies, final exam

A&P 303**Honors Anatomy & Physiology*****ALL YEAR/ 1 credit****Prerequisite:** Completion of Honors Chemistry with an “A” or “B”, or consent of instructor.

Description: The topics covered include chemical, cellular and tissue levels of organization. The course will also take an in depth look at the following systems: integumentary, skeletal, muscular, digestive, urinary, respiratory, cardiovascular, nervous, and endocrine.

Student Activities: Data collection and analysis, model building, problem solving, research presentations.

Student Evaluation: Tests, quizzes, homework assignments, laboratory reports, research project, and semester exams.

NOTE: students will be required to study preserved animal specimens.

BIOM 401**Honors BioMedical Research****ALL YEAR/ 1 credit****Prerequisite:** A&P 303 Honors Anatomy & Physiology with a “C” or higher.

Description: Students must have basic proficiency with experimental design and general laboratory skills to be successful in this course. Students delve into activities like designing a prosthetic arm as they follow the life of a fictitious family and investigate how to prevent, diagnose, and treat disease.



PROJECT LEAD THE WAY (PLTW) SCIENCE COURSES

ENGINEERING SEQUENCE

ENGR 101	Introduction to Engineering Design*	ALL YEAR/ 1 credit
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Prerequisite: MATH 103 Honors Algebra I OR is concurrently enrolled in the class.

Description: Through problems that engage and challenge, students explore a broad range of engineering topics including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

ENGR 201	Digital Electronics*	ALL YEAR/ 1 credit
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Prerequisite: ENGR 101 and Algebra 2. (Algebra 2 may be taken concurrently)

Description: This course exposes students to some of the major concepts they will be exposed to in post-secondary engineering courses. Students have the opportunity to develop skills and understanding of course concepts through activity, project, and problem-based learning. This course challenges students to continually hone their interpersonal skills, creative abilities, and problem-solving skills based upon engineering concepts.

ENGR 303	Honors Principles of Engineering*	ALL YEAR/ 1 credit
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Prerequisite: ENGR 201 with a “C” or higher.

Description: From smartphones to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices.

ENGR 403	Honors Engineering Research*	ALL YEAR/ 1 credit
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Prerequisite: Completion of ENGR 303 with a “B” or higher or Honors Physics with a “B” or higher.

Description: This course provides students interested in either physics or engineering an opportunity to pursue that interest with an independent research project of their choice. They will develop, present and submit quantitative research to a variety of competitions and fairs. Students will be expected to spend a significant amount of time working independently on their own research and will present research findings to science faculty and peers as they develop their skills.

Topics to be covered include Literature review, APA writing style, measurement and measurement error, data collection and data analysis, graphing, statistics and presentation of findings.



NCAA courses are denoted with a * by the course title
 SLU 1818 courses are denoted with a ^ by the course title
AVAILABILITY OF COURSES IS SUBJECT TO CHANGE BASED ON STUDENT ENROLLMENT.

SOCIAL STUDIES DEPARTMENT

Graduation requirement: 3 credit hours

COURSES REQUIRED FOR GRADUATION: Civics, World History, United States History, and a passing score on the constitution test.

TYPICAL SOCIAL STUDIES TRACKS				
	FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
1	HIST 101 CIVICS	HIST 201 WORLD HISTORY	HIST 301 UNITED STATES HISTORY -- HIST 221/231 CURRENT AFFAIRS*	HIST 221/231 CURRENT AFFAIRS* -- HIST 401 WORLD WARS/ HIST 411 MODERN US HISTORY*
2	HIST 102 ACCELERATED CIVICS	HIST 202 ACCELERATED WORLD HISTORY -- HIST 221/231 CURRENT AFFAIRS*	HIST 302 ACCELERATED UNITED STATES HISTORY -- HIST 221/231 CURRENT AFFAIRS* -- PSYCH 301 GENERAL PSYCHOLOGY 1/ PSYCH 311 GENERAL PSYCHOLOGY II*	HIST 401 WORLD WARS/ HIST 411 MODERN US HISTORY* -- PSYCH 301 GENERAL PSYCHOLOGY 1/ PSYCH 311 GENERAL PSYCHOLOGY II* -- HIST 221/231 CURRENT AFFAIRS*
3	HIST 103 HONORS CIVICS	HIST 203 HONORS WORLD HISTORY -- HIST 221/231 CURRENT AFFAIRS*	HIST 303 HONORS UNITED STATES HISTORY -- HIST 221/231 CURRENT AFFAIRS* -- PSYCH 301 GENERAL PSYCHOLOGY 1/ PSYCH 311 GENERAL PSYCHOLOGY II*	HIST 403 HON GREEK & ROMAN/ HIST 413 HON MEDIEVAL HISTORY* -- HIST 503 HON AP EUROPEAN HISTORY* -- HIST 221/231 CURRENT AFFAIRS*

**Social Studies electives that are not required social studies credits for graduation. However, they may help you meet your elective credits for graduation.*



REQUIRED SOCIAL STUDIES COURSES

CIVICS

HIST 101	Civics*	ALL YEAR/ 1 credit
<p>Prerequisite: NONE</p> <p>Description: This course examines the forces and issues that lead to the creation of the United States. Students analyze history through political, economic, intellectual, social, religious, technological, and economic developments and trends. The study of the U.S. Constitution, Illinois Constitution, and the historical developments that inspired it are central to this course. The course will begin with the exploration of the first “Americas” and end before the Civil War.</p> <p>Student Activities: Reading and comprehension (in text and primary sources), note taking, map analysis, lecture, small group work, and classroom discussion.</p> <p>Student Evaluation: Assignments (completion and correctness), quizzes, in-class activities, research projects, and final exam.</p>		
HIST 102	Accelerated Civics*	ALL YEAR/ 1 credit
<p>Prerequisite: Recommendation at registration.</p> <p>Description: This course examines the forces and issues that lead to the creation of the United States. Students analyze history through political, economic, intellectual, social, religious, technological, and economic developments and trends. The study of the U.S. Constitution, Illinois Constitution, and the historical developments that inspired it are central to this course. The course will begin with the exploration of the first “Americas” and end before the Civil War. The Accelerated Civics class will move at a faster pace and will go into further depth of content than the HIST 101 class.</p> <p>Student Activities: Reading and comprehension (in text and primary sources), note taking, map analysis, lecture, small group work, and classroom discussion.</p> <p>Student Evaluation: Assignments (completion and correctness), quizzes, in-class activities, research projects, and final exam.</p>		
HIST 103	Honors Civics*	ALL YEAR/ 1 credit
<p>Prerequisite: Recommendation at registration.</p> <p>Description: This is a writing-based course with a heavy emphasis put on critical thinking and analysis. This course examines the forces and issues that lead to the creation of the United States. Students analyze history through political, economic, intellectual, social, religious, technological, and economic developments and trends. Students consider the impact of individuals and groups on our society with an emphasis on multicultural studies. The study of the U.S. Constitution, Illinois Constitution, and the historical developments that inspired it are central to this course. The course will begin with an exploration of the first “Americas” and end before the Civil War. Student Activities: Writing activities, three independent learning projects throughout the semester, lectures, group work, debates, classroom discussion, primary source and documentary activities</p> <p>Student Evaluation: Assignments (completion and correctness), quizzes, in-class activities, papers, independent learning projects (ILPs), and final exam.</p>		



WORLD HISTORY

HIST 201

World History*

ALL YEAR/ 1 credit

Prerequisite: HIST 101 Civics

Description: This course presents a chronological and in-depth approach to the history and daily life of the ancient cultures of our global society. This course starts with the beginning of the human civilization and ends after the Industrial Revolution. There is a strong emphasis on Greece and Rome since they laid the foundation for many other civilizations that followed. Anthropology, archeology, and geography accompany the cultural study of ancient Middle East, Africa, Asia, Europe, and the Americas. Related issues and current affairs are also discussed.

Student Activities: Heavy focus on reading comprehension (text and primary sources), note taking, primary sources, map analysis, lecture, small group work, classroom discussion.

Student Evaluation: Assignments (completion and correctness), quizzes, tests, research project, and final exam.

HIST 202

Accelerated World History*

ALL YEAR/ 1 credit

Prerequisite: HIST 102 Accelerated Civics

Description: This course presents a chronological and in-depth approach to the history and daily life of the ancient cultures of our global society. This course starts with the beginning of the human civilization and ends after the Industrial Revolution. There is a strong emphasis on Greece and Rome since they laid the foundation for many other civilizations that followed. Anthropology, archeology, and geography accompany the cultural study of ancient Middle East, Africa, Asia, Europe, and the Americas. Related issues and current affairs are also discussed. The class will move at a faster pace and will go into further depth of content than the WHIS 201 class.

Student Activities: Heavy focus on reading comprehension (text and primary sources), note taking, primary sources, map analysis, lecture, small group work, classroom discussion.

Student Evaluation: Assignments (completion and correctness), quizzes, tests, research project, and final exam.

HIST 203

Honors World History*

ALL YEAR/ 1 credit

Prerequisite: An “A” or “B” in HIST 103 Honors Civics AND ENG 103 Honors Freshman English and/or teacher recommendation.

Description: This course is a writing and project-based course with a heavy emphasis put on critical thinking and analysis. This class tailors to high level students. This course presents a chronological and in-depth approach to the history and daily life of the ancient cultures of our global society. This course starts with the beginning of the human civilization and ends after the Industrial Revolution. There is a strong emphasis on Greece and Rome since they laid the foundation for many other civilizations that followed. Anthropology, archaeology, and geography accompany the cultural study of ancient Middle East, Africa, Asia, Europe, and the Americas. Related issues and current affairs are also discussed.

Student Activities: Majority writing-based activities (including notes and projects), lectures, small group work, primary sources, classroom discussion, factual and critical thinking questions, activities from the text, primary sources, documentaries, and internet.

Student Evaluation: Assignments (completion and correctness), quizzes, tests, research projects, papers, documentaries, and final exam.



*UNITED STATES HISTORY***HIST 301****United States History*****ALL YEAR/ 1 credit****Prerequisite:** HIST 201 World History.**Description:** This course examines the forces and issues that shape and affect our lives. Students analyze history through political, economic, intellectual, social, religious, and technological developments and trends. Students consider the impact of individuals and groups on our society, with an emphasis on multicultural studies.**Student Activities:** Much attention is given to critical thinking skills, development of reading comprehension, writing skills and analysis of primary sources.**Student Evaluation:** Assignments, tests, quizzes, book reviews, research projects, class participation, and final exam.**HIST 302****Accelerated United States History*****ALL YEAR/ 1 credit****Prerequisite:** HIST 202 Accelerated World History.**Description:** This course examines the forces and issues that shape and affect our lives. Students analyze history through political, economic, intellectual, social, religious, and technological developments and trends. Students consider the impact of individuals and groups on our society, with an emphasis on multicultural studies.**Student Activities:** Much attention is given to critical thinking skills, development of reading comprehension, writing skills and analysis of primary sources.**Student Evaluation:** Assignments, tests, quizzes, book reviews, research projects, class participation, and final exam.**HIST 303****Honors United States History*****ALL YEAR/ 1 credit****Prerequisite:** An “A” or “B” in HIST 203 Honors World History AND ENG 203 Honors Junior English and/or recommendation from the student’s World History teacher.**Description:** This course examines the forces and issues that shape and affect our lives. Students analyze history through political, economic, intellectual, social, religious, and technological developments and trends. Students consider the impact of individuals and groups on our society, with an emphasis on multicultural studies. This is a writing-based course with a heavy emphasis on critical thinking and analysis. This course tailors to high level students.**Student Activities:** Much attention is given to critical thinking skills, development of reading comprehension, writing skills and analysis of primary sources.**Student Evaluation:** Assignments, tests, quizzes, book reviews, research projects, class participation, and final exam.

SOCIAL STUDIES ELECTIVES**HIST 221/231****Current Affairs****SEM 1/2 / 0.5 credit****Prerequisite:** Sophomore, Junior, or Senior status.**Description:** To be an informed and intelligent citizen, a person should study events that occur throughout the world. Current affairs class helps students to become informed about news events and also provides an environment for them to actively discuss the events that impact our society. Students follow world, national, state, and local events, and identify key players within these situations.**Student Activities:** Examination of newspapers, TV news, internet websites, and appropriate videos, class discussion.**Student Evaluation:** Tests, quizzes, assignments, class participation, and final exam.**HIST 401****World Wars*****SEM 1 / 0.5 credit****Prerequisite:** Junior or Senior status.**Description:** This course is a survey of World War I and II. This course will expand on knowledge gained from basic U.S. History. In depths focus on the cultural, political, and economic challenges faced during the wars will be discussed. Students will closely examine the social, technological, military, and political trends from before, during and following the wars. Students will gain an understanding of how the world wars set the stage for the modern era.**Student Activities:** Primary sources, class discussions, research projects, lectures and writing assignments.**Student Evaluation:** Class work, quizzes, tests, projects, writing assignments, and final exam.**HIST 411****Modern U.S. History*****SEM 2 / 0.5 credit****Prerequisite:** Junior or Senior status.**Description:** This is a heavy project-based course that will expand on the basic U.S. History course, with a concentration on events and trends from World War I to the present. Students are challenged to closely examine major events such as the Cold War, Korea, Vietnam, Watergate, the Civil Rights Movement, the issues today in the middle east and trends such as scientific and technological changes, and U.S. foreign policy in the modern era. An analysis of the political, social, artistic, environmental, and economic changes of the past sixty years highlight this course.**Student Activities:** Teacher presentations, class discussions, small group work, internet activities, documentaries, primary source documents, readings and assignments are utilized.**Student Evaluation:** Homework assignments, tests, internet lab activities, in-class group work, other projects, and final exam.

SOCIAL STUDIES ELECTIVES**PSYCH 301****General Psychology I*****SEM 1 / 0.5 credit****Prerequisite:** Junior or Senior status.**Description:** This is a general overview of the many areas involved in psychology in hopes of creating interest in one or more of them. The topics will include history of psychology, psychology as a profession, infancy and child development, adolescence, gerontology, the study of the brain, altered states of consciousness, and sensation and perception.**Student Activities:** Note-taking, group discussions, documentaries on various topics, social experiments, and case studies.**Student Evaluation:** Note-taking ability, section quizzes, chapter tests, small group work, and worksheets, and final exam.**PSYCH 311****General Psychology II*****SEM 2 / 0.5 credit****Prerequisite:** Junior or Senior status.**Description:** This course will extend and continue the General Psychology I class. Topics include: memory and thought, thinking and language, motivation and emotion, psychological testing, conditioning, theories of personality, stress and health, psychological disorders, and psychological therapy.**Student Activities:** Note-taking, group discussions, documentaries on various topics, social experiments, and case studies.**Student Evaluation:** Note-taking ability, section quizzes, chapter tests, small group work, worksheets, and final exam.**HIST 403****Honors Greek & Roman Civilization*****SEM 1 / 0.5 credit****Prerequisite:** An “A” or “B” in HIST 303 Honors US History and ENG 303 Honors Junior English or being taken concurrently and/or recommendation from the student’s U.S. History teacher.**Description:** This course is a survey of the Classical Greek and Roman Civilizations from the rise of the Minoan civilization around 1600 BCE to the collapse of the Roman Empire in the fifth century CE. This course will allow students to not only investigate the most basic outlines of these two great civilizations, but to delve into the complex issues of economics, culture, society, literature, and art. Students will have the opportunity to do more in-depth study of the two founding civilizations of Western Society. This Greek and Roman Civilization class is designed to be a rigorous, academically challenging course with heavy emphasis placed on developing reading, writing and critical thinking skills.**Student Activities:** Lectures, class discussions, readings.**Student Evaluation:** Independent research project.

SOCIAL STUDIES ELECTIVES**HIST 413****Honors Medieval History*****SEM 2 / 0.5 credit**

Prerequisite: An “A” or “B” in HIST 303 Honors US History and ENG 303 Honors Junior English or being taken concurrently and/or recommendation from the student’s U.S. History teacher.

Description: This course is a survey of the Medieval European world. This course will allow students to not only investigate the most basic outline of western civilization but to delve into the complex issues of economics, culture, society, literature and art. This course allows students will have the opportunity to do more in-depth study of Western Society. This Medieval European History class is designed to be a rigorous, academically challenging course with heavy emphasis placed on developing reading, writing and critical analysis skills.

Student Activities: Lectures, class discussions, readings, and independent research project.

Student Evaluation: Class work, quizzes, tests, Internet research, class presentations, and final exam.

HIST 503**Honors AP European History*****ALL YEAR / 1 credit**

Prerequisite: An “A” or “B” in HIST 303 Honors US History and ENG 303 Honors Junior English or being taken concurrently and/or recommendation from the student’s U.S. History teacher.

Description: The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. Without this knowledge, we would lack the context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. This course will prepare students to take the Advanced Placement European test in the Spring through the College Board. Please inform your counselor if you intend on taking the test so can be registered.

Student Evaluation: Timed quizzes, document-based questions, free-response questions, tests, book reviews, and final exams.



ADDITIONAL REQUIRED COURSES

Graduation requirement: 2 P.E. credits (4 semesters), Consumer Education (0.5 credit) and Health (0.5 credit).

PE 101

Physical Education

SEM 1/2 / 0.5 credit

Prerequisite: NONE

Student Activities: Students will participate in team sports: basketball, volleyball, soccer, flag-football, softball; individual sports: badminton, paddle tennis, tennis; and physical fitness: weightlifting, calisthenics, aerobics, walking.

Student Evaluation: Participation, cooperation, and written tests.

NOTE: P.E. grade is included in cumulative GPA.

CONED 301/311

Consumer Education

SEM 1/2 / 0.5 credit

Prerequisite: Junior or Senior status.

Description: This course is required for graduation and is usually taken during the junior year. The student is typically enrolled in Physical Education or a band class for the other semester.

Student Activities: Budgeting, banking, credit, insurance, and car buying.

Student Evaluation: Handouts, quizzes, and tests.

HLTH 101/111

Health

SEM 1/2 / 0.5 credit

Prerequisite: NONE

Description: The Health Education program at Althoff Catholic hopes to make students aware of health-related topics that can affect the quality of their life. The topics covered are nutrition, mental health, communicable and noncommunicable diseases, and reproduction. Anatomy is taught when appropriate.

Students Activities: Lectures, discussions, group projects, audio-visual materials, professional speakers, and use of contemporary materials (newspapers, magazines, TV programs).

Student Evaluation: Tests, quizzes, written assignments, and semester exam.

Driver Education is not required for graduation. You may elect to take it at Althoff Catholic using My Tutor Driving School for an additional fee. This is the only course that is offered on a quarter basis and is paired with P.E. for the other quarter which will meet 0.5 credits toward the P.E. requirement. Please sign up for the quarter in which you will turn 15.

DRVED 101/111

Driver Education

QRTR 1/2/3/4 0.25 credit

Description: This course is offered through My Tutor Driving School and is licensed by the Illinois Secretary of State to provide classroom and driving instruction for teens. This program fulfills all state requirements for an individual to obtain an Illinois Driver License.

NOTE: This class, because it is given through My Tutor Driving School, includes an additional cost to the normal tuition fees and must be paid in full by the first day of class. You can find more information by visiting www.mytutorlearning.com.



BUSINESS DEPARTMENT

Graduation requirement: NONE (courses may fulfill elective credit requirements)

BUS 101
Principles of Business
SEM 1 / 0.5 credit

Prerequisite: None

Description: This course will help students learn the basic aspects of business in the global economy, business organization and management, and business operations and technology.

Student Activities: Textbook related assignments, internet projects, and group work.

Student Evaluation: Class assignments, projects, quizzes, and final exam.

BUS 111
Business Management
SEM 2 / 0.5 credit

Prerequisite: None.

Description: This course covers business organization in the free enterprise system, internal organization, finance, purchasing, and pricing procedures, marketing, and management theory. Instruction focuses on the functions and tasks associated with owning and operating a business (entrepreneurship). Class projects may be used to provide a better understanding of the decisions made in management.

Student Activities: Textbook-related assignments, internet assignments, class project.

Student Evaluation: Daily assignments, chapter quizzes and tests, projects, and final exam.

CEO 403
Honors CEO Entrepreneurship
ALL YEAR / 2 credits

Prerequisite: Application Process, Senior status, and teacher recommendations (Limited Space).

Description: CEO is a year-long honors class designed to utilize the partnerships that provide an overview of business development and processes. Students have the opportunity to visit area businesses, learn from guest speakers, write business plans, and start and operate their own business. In April, they present their personal business plans at the CEO Trade Show.



WORLD LANGUAGES DEPARTMENT

Graduation requirement: NONE (courses may fulfill Fine Art credit requirement)

Any student with average or above average reading and English skills may enroll in level 1 of a language. **Students are encouraged to take a two-year sequence. Most universities require two years of the same foreign language. One year does not fulfill many college requirements.** A student who chooses level 3 is expected to take level 4. One credit can be earned per level, but the student must enroll in the first semester.

HONORS PROGRAM – The third and fourth year of a foreign language are honors courses for which students receive weighted credit. Students not maintaining at least a "C" average will not receive the weighted credit, and students scoring a "D" or below at the end of the semester will be dropped from the program.

TYPICAL WORLD LANGUAGE TRACKS				
	FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
1	--	--	SPAN 101 SPANISH 1	SPAN 201 SPANISH 2
2	SPAN 101 SPANISH 1	SPAN 201 SPANISH 2		
3	SPAN 101 SPANISH 1	SPAN 201 SPANISH 2	SPAN 303 HON SPANISH 3	SPAN 403 HON SPANISH 4

SPANISH COURSES

SPAN 101

Spanish I*

ALL YEAR / 1 credit

Prerequisite: Placement recommendation at registration.

Description: This introductory course places special emphasis on speaking skills. During the first segment, an oral approach to language learning allows the student to accumulate a speaking vocabulary of approximately 750 words. More traditional methods are used in the subsequent segments with an introduction of basic grammar concepts, vocabulary expansion, conjugating regular and irregular verbs in the present tense, present progressive tense and preterit tense.

Student Activities: Role-playing activities are used to learn practice skills such as speaking on the telephone, ordering in a restaurant, etc. Students will memorize vocabulary and verb conjugations and compile a set of flashcards to reinforce and review new words, verbs, and phrases.

Student Evaluation: Periodic oral and written tests, oral drills, listening activities, vocabulary tests, an final exam.

SPAN 201

Spanish II*

ALL YEAR / 1 credit

Prerequisite: SPAN 101 Spanish I.

Description: The nucleus of this course is the study of the basic ten tenses in Spanish: present, preterit, past progressive, imperfect, present progressive, present perfect, future, conditional, past perfect and imperative. In addition, students will continue to build Spanish vocabulary words. Students will also read a story in Spanish written at a level for Spanish II students.

Student Activities: Short stories, dialogues, oral and written exercises, and writing prompts.

Student Evaluation: Based on class participation, quizzes, tests, written work, and final exam.



SPAN 303**Honors Spanish III*****ALL YEAR / 1 credit**

Prerequisite: SPAN 201 Spanish II with a “C” or higher.

Description: Advanced students will review all ten tenses introduced in the first two years of the Spanish program. In addition, new tenses will be introduced with special emphasis on the use of the subjunctive. Students will also expand their vocabulary and will learn more detailed grammar. Alternating culture lessons will be infused throughout the year as well. Students will also read a short novel appropriate to their grammar and reading level.

Student Activities: The study of 15 tenses; intensive oral and written grammar exercises; student's presentation of grammar and culture.

Student Evaluation: Periodic written quizzes and tests, oral drills, reading comprehension, and writing prompts.

SPAN 403**Honors Spanish IV*****ALL YEAR / 1 credit**

Prerequisite: SPAN 303 Spanish III with a “C” or higher.

Description: The objective of this course is to develop the student's ability to communicate in Spanish. Focus will be on refining speaking skills via directed conversation and spontaneous discussion. In addition, the student will add to his/her spoken and written vocabulary through usage of "frequency lists" with an accumulated total of approximately 1000 words. This course also focuses on refining reading comprehension skills through exposure to the works of key contemporary and classical writers from Spain and Spanish America. Selected masterpieces will be studied in the original Spanish while others will be presented in an abridged form appropriate for advanced secondary students. Various genres, including poetry, novel, drama, and short story will be studied. Students will also refine oral and written skills through class discussion and analyses of content and style. This course anchors a comprehensive intermediate program that will prepare students for advanced level courses in literature at the university level.

Student Activities: Read excerpts from novels, plays, short stories, fables, and poetry; write paragraphs based on the stories read and personalized compositions that expand on each reading's theme; short speeches, various oral presentations, and class discussion in Spanish.

Student Evaluation: Class participation is especially important in this course. Grades are also based on oral presentations, writings, quizzes, and tests.



MUSIC DEPARTMENT

Graduation requirement: NONE (courses may fulfill Fine Art credit requirement)

INSTRUMENT RENTAL: Nottelmann Music (314-631-1486)

JAZZ BAND – This is a club activity when available. Participation requires successful audition and enrollment in percussion ensemble, concert band, or orchestra if schedule allows. See our band director for more information.

LITURGICAL CHOIR – This is a club activity. The choir meets Wednesday mornings before school from 8-9 a.m. All are welcome.

BAND 101	Introductory Band	ALL YEAR / 1 credit
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Prerequisites: No prior experience in a band. Must own or rent instrument of choice unless special arrangements have been made with the instructor.

Description: This class de-emphasizes performance and focuses on rudiments to solidify instrumental technique, and understanding of musical concepts, to ensure students have a solid foundation for their continuing band experience. If an incoming student feels that this intro course is unnecessary for them, they may attempt to audition out prior to the beginning of the semester. For students who have no experience in a band program. This class is designed to start students on a traditional band instrument and set them up for success in the Band class.

Student Activities: Discussion and application of music fundamentals, Spring Concert, and Christmas Concert.

Student Evaluation: Class and concert participation, homework, and tests.

BAND 201	Band	ALL YEAR / 1 credit
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Prerequisite: Successful completion of beginner band or approval from the Band Director by audition. Students must either own or rent an instrument.

Description: This course provides an opportunity for those who are proficient on their band instruments to play in a performing group and to improve individual ability by rehearsing and performing a variety of styles of band repertoire. The band performs at concerts and events both within and outside of school.

Student Activities: Improving musical understanding and ability while preparing for performances; opportunities for contest and festival participation.

Student Evaluation: Class and concert participation, homework, and tests.

CHR 101	Concert Choir	ALL YEAR / 1 credit
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Prerequisite: None

Description: Students will learn proper technique, relevant contemporary works, culturally significant works, and other elements of singing and performing with the voice.



MUSIC DEPARTMENT

MUS 101
Music Appreciation
ALL YEAR / 1 credit

Prerequisites: None

Description: Music for Listeners. This class will teach students how to identify famous composers, artists, arrangers, and historically significant members of the music community. In addition, the students will also learn how to listen to, dissect, and identify musical examples with correct terminology. No instrumental experience is required.

FLM 101
Film as Literature
ALL YEAR / 1 credit

Prerequisite: None

Description: A study of how literature is adapted for film or media and includes role playing as film directors for selected screen scenes. Students read about the history of film, the reflection or influence of film on the culture, and issues of interpretation, production and adaptation. Students examine the visual interpretation of literary techniques and auditory language in film and the limitations or special capacities of film versus text to present a literary work. Students analyze how films portray the human condition and the roles of men and women and the various ethnic or cultural minorities in the past and present.



ART DEPARTMENT

Graduation requirement: NONE (courses may fulfill Fine Art requirement)

TYPICAL ART TRACKS				
	FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
G E N E R A L	S1 ART 101 DRAWING -- S2 ART 111 CERAMICS	S1 ART 201 ART II DRAWING & PAINTING -- S2 ART 202 ART II CERAMICS	S1 ART 302 ADVANCED DRAWING -- S2 ART 312 ADVANCED PAINTING	S1 ART 322 ADVANCED SCULPTURE/ -- S2 ART 431 INDEPENDENT 3D ART
2 D A R T	S1 ART 101 DRAWING -- S2ART 111 CERAMICS	S1 ART 201 ART II DRAWING & PAINTING -- S2 ART 312 PAINTING	S1 ART 302 ADVANCED DRAWING -- S2 ART 401 2D INDEPENDENT ART	S1 ART 401 2D INDEPENDENT ART -- S2 ART 411 2D INDEPENDENT ART
3 D A R T	S1 ART 101 DRAWING -- S2ART 111 CERAMICS	S1 ART 202 ART II CERAMICS -- S2 ART 322 ADV SCULPTURE	S1 ART 421 INDEPENDENT 3D ART -- S2 ART 431 INDEPENDENT 3D ART	S1 ART 403 HONORS ART APPRECIATION I -- S2 ART 413 HONORS ART APPRECIATION II

***Tracks can vary. This is just an example of some options. Please discuss other options with your counselor.

ART I

ART 101

Art I Drawing

SEM 1 / 0.5 credit

Prerequisite: NONE

Description: Beginning Drawing is designed to aid the student in an understanding of the elements and principles of art as they apply to two-dimensional drawing and design.

Student Activities: Students will develop this knowledge through use of a wide variety of media and hands on activities including drawing, painting, pastels, pen, and ink as well as art history and aesthetics.

Student Evaluation: Proficiency, expertise, and work ethic in meeting the requirements of specific art projects. Projects and skills necessary will vary.

ART 111

Art I Ceramics & Pottery

SEM 2 / 0.5 credit

Prerequisite: NONE

Description: This course is the introductory course of study to understand the application of the elements and principles of art and how they relate to three-dimensional artwork.

Student Activities: Special emphasis will be placed on craftsmanship, form, function, texture, and color through the clay medium. Students will explore clay primarily but will not be limited to clay as a medium, including sculpture, hand building and wheel thrown potter.

Student Evaluation: Proficiency, expertise, and work ethic in meeting the requirements of specific art projects. Projects and skills necessary will vary.



ART 2

ART 201/211

Art II Drawing & Painting

SEM 1/2 / 0.5 credit

Prerequisite: ART 101 Art I Drawing.

Description: This course is designed to further apply the elements and principles of design involved with the specific art disciplines. The goal of this course also includes furthering the technical requirements of particular art disciplines. The Art II courses are one semester in length but are comprised of two disciplines. Each discipline will be explored for approximately one quarter.

Student Activities: Drawing and painting with various media. Students will focus on technique value and color, color theory, and paint mixing applications.

Student Evaluation: Proficiency, expertise, and work ethic in meeting the requirements of specific art projects. Assessment of grades will be assigned on a per project basis. Projects and skills necessary will vary.

ART 202/212

Art II Ceramics, Sculpture, & Pottery

SEM 1/2 / 0.5 credit

Prerequisite: ART 111 Art I Ceramics & Pottery.

Description: This course is designed to further apply the elements and principles of design involved with the specific art disciplines. The goal of this course also includes furthering the technical requirements of particular art disciplines. The Art II courses are one semester in length but are comprised of two disciplines. Each discipline will be explored for approximately one quarter.

Student Activities: Ceramic hand building, wheel made, and modeling techniques in clay.

Student Evaluation: Proficiency, expertise, and work ethic in meeting the requirements of specific art projects. Assessment of grades will be assigned on a per project basis. Projects and skills necessary will vary.

ART 3

ART 302

Advanced Drawing

SEM 1 / 0.5 credit

Prerequisite: ART 201 or ART 211 Art II Drawing & Painting.

Description: Advanced Art is designed for continued exploration into the technical and aesthetic challenges inherent in specific media.

Student Activities: Students will be encouraged to work more independently by contracting specific assignments. These classes are studio oriented but will require some art historical research.

Student Evaluation: Proficiency, expertise, and work ethic in meeting the requirements of specific art projects. Projects and skills necessary will vary.

ART 312

Advanced Painting

SEM 2 / 0.5 credit

Prerequisite: ART 201 or ART 211 Art II Drawing & Painting.

Description: Advanced Art is designed for continued exploration into the technical and aesthetic challenges inherent in specific media.

Student Activities: Students will be encouraged to work more independently by contracting specific assignments. These classes are studio oriented but will require some art historical research.

Student Evaluation: Proficiency, expertise, and work ethic in meeting the requirements of specific art projects. Projects and skills necessary will vary.



ART 322/332**Adv. Sculpture, Ceramics, & Pottery****SEM 1/2 / 0.5 credit**

Prerequisite: ART 202 or ART 212 Art II Ceramics, Sculpture, & Pottery.

Description: Advanced Art is designed for continued exploration into the technical and aesthetic challenges inherent in specific media.

Student Activities: Students will be encouraged to work more independently by contracting specific assignments. These classes are studio oriented but will require some art historical research. **Student**

Evaluation: Proficiency, expertise, and work ethic in meeting the requirements of specific art projects. Projects and skills necessary will vary.

*ART 4***ART 401/411****Independent Studies in 2D Art****SEM 1/2 / 0.5 credit**

Prerequisite: ART 302 Advanced Drawing AND ART 312 Advanced Painting, and permission of the instructor.

Description: Independent studies in 2-dimensional art is designed for the student strongly considering a career in art or possible college art major. Students should be well versed in technical accomplishments in a variety of drawing and painting media. Students will explore his/her choice of subject and content under the scrutiny of the instructor. This is a college level course in studio art.

Student Activities: Students will explore and pursue a body of independent 2-dimensional work of the student's choice with special emphasis on content and self-expression. Students will be responsible for no less than 8 works of large scale or more ambitious 2-dimensional concerns with a thematic focus.

Student Evaluation: Proficiency, expertise, and work ethic in meeting the requirements of specific art projects. Projects and skills necessary will vary.

NOTE: These classes may be repeated with the permission of the instructor.

ART 421/431**Independent Studies in 3D Art****SEM 1/2 / 0.5 credit**

Prerequisite: Completion of Advanced Ceramics AND Art I Drawing, or permission of the instructor.

Description: Independent studies in 3-dimensional art is designed for the student strongly considering a career in art or possible college art major. Students should be well versed in technical accomplishments of ceramic techniques and applications. Student will explore his/her choice of subject and content and formal relations under the scrutiny of the instructor. This is a college level course in 3-dimensional studio art.

Student Evaluation: Proficiency, expertise, and work ethic in meeting the requirements of specific art projects.

NOTE: These classes may be repeated with the permission of the instructor.



ART 403**Honors Art Appreciation Ancient Greece to 1850****SEM 1 / 0.5 credit**

Prerequisite: Completion of Honors World History recommended and teacher recommendation.

Description: This course is designed to expose the student to a broad variety of artwork, historical consideration and cultural implications that have shaped art in the western world for the last 30,000 years or so. The basic goal of this course is to instill an understanding of and appreciation for the human need for artistic expression, develop an understanding of the materials, techniques, and concepts utilized over the centuries that artists have employed in creating art, as well as how those are shaping and have shaped and reflected our culture and existence.

Student Activities: Students will study and view works of art through a variety of resources including but not limited to slides, text, the Internet, and the art museum.

Student Evaluation: Research papers, tests, outside assignments, and quizzes.

ART 413**Honors Modern Art Appreciation 1850-Present****SEM 2 / 0.5 credit**

Prerequisite: Completion of Honors World History recommended.

Description: This course is designed to explore the history of artistic trends that have shaped the cultural face of the western world since the late 19th century. This course will continue an exploration into the uses of twentieth century technology and ideas applied to the age-old need of humans for self-expression. The class will begin in the pivotal period following impressionism and trace trends in fine arts, painting, sculpture, and architecture up to the current period of the eclectic post-modernist era of the 21st century.

Student Activities: Students will study and view works of art through a variety of resources including but not limited to slides, text, the Internet, and various art museums and sculpture parks.

Student Evaluation: Research papers, tests, outside assignments, and quizzes



TYPICAL TRACK CHARTS

THEOLOGY TRACKS			
FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
THEO 101 FRESHMAN THEOLOGY	THEO 201 SOPHOMORE THEOLOGY	THEO 301 JUNIOR THEOLOGY	THEO 401 SENIOR THEOLOGY

TYPICAL ENGLISH TRACKS				
	FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
1	ENG 101 FRESHMAN ENGLISH	ENG 201 SOPHOMORE ENGLISH	ENG 301 JUNIOR ENGLISH	ENG 401 SENIOR ENGLISH
2	ENG 102 ACCELERATED FRESHMAN ENGLISH	ENG 202 ACCELERATED SOPHOMORE ENGLISH	ENG 302 ACCELERATED JUNIOR ENGLISH	ENG 402 ACCELERATED SENIOR ENGLISH
3	ENG 103 HONORS FRESHMAN ENGLISH	ENG 203 HONORS SOPHOMORE ENGLISH	ENG 303 HONORS JUNIOR ENGLISH	ENG 403 HONORS SENIOR ENGLISH

TYPICAL MATH TRACKS				
	FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
1	MATH 101 ALGEBRA 1	MATH 201 GEOMETRY	MATH 301 ALGEBRA II	MATH 401 COLLEGE ALGEBRA & TRIGONOMETRY^
2	MATH 102 ACCELERATED ALGEBRA I	MATH 202 ACCELERATED GEOMETRY	MATH 302 ACCELERATED ALGEBRA II	MATH 402 ACCELERATED COLLEGE ALGEBRA & TRIGONOMETRY^
3A	MATH 103 HONORS ALGEBRA I	MATH 203 HONORS GEOMETRY -- **MATH 303 HONORS ALGEBRA II	MATH 303 HONORS ALGEBRA II -- **MATH 403 HONORS COLLEGE ALGEBRA & TRIGONOMETRY^	MATH 403 HONORS COLLEGE ALGEBRA & TRIGONOMETRY^ -- **MATH 502 HONORS STATISTICS^ <u>and/or</u> MATH 503 HONORS CALCULUS^
<u>OR</u> 3B	MATH 203 HONORS GEOMETRY	MATH 303 HONORS ALGEBRA II	MATH 403 HONORS COLLEGE ALGEBRA & TRIGONOMETRY^	MATH 502 HONORS STATISTICS^ <u>and/or</u> MATH 503 HONORS CALCULUS^

^OPTIONAL MATH ELECTIVE. NOT REQUIRED FOR GRADUATION

**MATH 303 Honors Algebra II may be taken concurrently with MATH 203 Honors Geometry in this sequence with approval of the instructors if the student would like to be eligible to take MATH 502 Honors Statistics and/or MATH 503 Honors Calculus during their senior year.



3 science courses are required for graduation-Biology, Chemistry, & an elective of your choice. The following is a guide to typical tracks students take with an emphasis in science. You may discuss other track options with your counselor during course selection.

TYPICAL SCIENCE TRACKS				
	FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
1	OPTIONAL ELECTIVE	SCI 101 BIOLOGY	SCI 201 CHEMISTRY	SCI 302 ENVIRONMENTAL SCIENCE / SCI 312 ASTRONOMY
2 A	SCI 102 ACCELERATED BIOLOGY -- ENGR 101 INTRO TO ENGINEERING DESIGN**	SCI 202 ACCELERATED CHEMISTRY -- ENGR 201 DIGITAL ELECTRONICS**	ENGR 303 HON PRINCIPLES OF ENGINEERING -- SCI 302 ENVIRONMENTAL SCIENCE / SCI 312 ASTRONOMY	ENGR 403 HON ENGINEERING RESEARCH
2 B	SCI 102 ACCELERATED BIOLOGY -- BIOM 101 FORENSIC SCIENCE**	SCI 202 ACCELERATED CHEMISTRY -- BIOM 201 MEDICAL TERMINOLOGY & DIAGNOSIS**	SCI 303 HON ANATOMY & PHYSIOLOGY (WITH APPROVAL)	BIOM 403 HON BIOMEDICAL RESEARCH
3 A	SCI 102 HONORS BIOLOGY -- ENGR 101 INTRO TO ENGINEERING DESIGN**	SCI 203 HONORS CHEMISTRY -- ENGR 201 DIGITAL ELECTRONICS**	ENGR 303 HON PRINCIPLES OF ENGINEERING -- SCI 403 HON PHYSICS -- SCI 503 HON ADVANCED CHEMISTRY	SCI 403 HON PHYSICS -- ENGR 403 HON ENGINEERING RESEARCH -- SCI 503 HON ADVANCED CHEMISTRY
3 B	SCI 102 HONORS BIOLOGY -- BIOM 101 FORENSIC SCIENCE**	SCI 203 HONORS CHEMISTRY -- BIOM 201 MEDICAL TERMINOLOGY & DIAGNOSIS**	SCI 303 HON ANATOMY & PHYSIOLOGY -- SCI 403 HON PHYSICS -- SCI 503 HON ADVANCED CHEMISTRY	SCI 403 HON PHYSICS -- BIOM 403 HON BIOMEDICAL RESEARCH -- SCI 503 HON ADVANCED CHEMISTRY

**Electives may be taken in addition to Biology or Chemistry. Students will also choose from these to complete their 3rd year science requirement. The chart above is an example of typical science tracks our students follow. Please speak with your counselor to arrange a track that works for you.



TYPICAL SOCIAL STUDIES TRACKS				
	FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
1	HIST 101 CIVICS	HIST 201 WORLD HISTORY	HIST 301 UNITED STATES HISTORY -- HIST 221/231 CURRENT AFFAIRS*	HIST 221/231 CURRENT AFFAIRS* -- HIST 401 WORLD WARS/ HIST 411 MODERN US HISTORY*
2	HIST 102 ACCELERATED CIVICS	HIST 202 ACCELERATED WORLD HISTORY -- HIST 221/231 CURRENT AFFAIRS*	HIST 302 ACCELERATED UNITED STATES HISTORY -- HIST 221/231 CURRENT AFFAIRS* -- PSYCH 301 GENERAL PSYCHOLOGY 1/ PSYCH 311 GENERAL PSYCHOLOGY II*	HIST 401 WORLD WARS/ HIST 411 MODERN US HISTORY* -- PSYCH 301 GENERAL PSYCHOLOGY 1/ PSYCH 311 GENERAL PSYCHOLOGY II* -- HIST 221/231 CURRENT AFFAIRS*
3	HIST 103 HONORS CIVICS	HIST 203 HONORS WORLD HISTORY -- HIST 221/231 CURRENT AFFAIRS*	HIST 303 HONORS UNITED STATES HISTORY -- HIST 221/231 CURRENT AFFAIRS* -- PSYCH 301 GENERAL PSYCHOLOGY 1/ PSYCH 311 GENERAL PSYCHOLOGY II*	HIST 403 HON GREEK & ROMAN/ HIST 413 HON MEDIEVAL HISTORY* -- HIST 503 HON AP EUROPEAN HISTORY* -- HIST 221/231 CURRENT AFFAIRS*

**Social Studies electives that are not required social studies credits for graduation. However, they may help you meet your elective credits for graduation.*



TYPICAL WORLD LANGUAGE TRACKS				
	FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
1	--	--	SPAN 101 SPANISH 1	SPAN 201 SPANISH 2
2	SPAN 101 SPANISH 1	SPAN 201 SPANISH 2		
3	SPAN 101 SPANISH 1	SPAN 201 SPANISH 2	SPAN 303 SPANISH 3	SPAN 403 SPANISH 4

TYPICAL ART TRACKS				
	FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
G E N E R A L	S1 ART 101 DRAWING -- S2 ART 111 CERAMICS	S1 ART 201 ART II DRAWING & PAINTING -- S2 ART 202 ART II CERAMICS	S1 ART 302 ADVANCED DRAWING -- S2 ART 312 ADVANCED PAINTING	S1 ART 322 ADVANCED SCULPTURE/ -- S2 ART 431 INDEPENDENT 3D ART
2 D A R T	S1 ART 101 DRAWING -- S2ART 111 CERAMICS	S1 ART 201 ART II DRAWING & PAINTING -- S2 ART 312 PAINTING	S1 ART 302 ADVANCED DRAWING -- S2 ART 401 2D INDEPENDENT ART	S1 ART 401 2D INDEPENDENT ART -- S2 ART 411 2D INDEPENDENT ART
3 D A R T	S1 ART 101 DRAWING -- S2ART 111 CERAMICS	S1 ART 202 ART II CERAMICS -- S2 ART 322 ADV SCULPTURE	S1 ART 421 INDEPENDENT 3D ART -- S2 ART 431 INDEPENDENT 3D ART	S1 ART 403 HONORS ART APPRECIATION I -- S2 ART 413 HONORS ART APPRECIATION II



TYPICAL 4 YEAR TRACKS									
Freshman Year		Sophomore Year		Junior Year		Senior Year			
Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2
THEOLOGY	THEOLOGY	THEOLOGY	THEOLOGY	THEOLOGY	THEOLOGY	THEOLOGY	THEOLOGY	THEOLOGY	THEOLOGY
ENGLISH	ENGLISH	ENGLISH	ENGLISH	ENGLISH	ENGLISH	ENGLISH	ENGLISH	ENGLISH	ENGLISH
MATH	MATH	MATH	MATH	MATH	MATH	MATH	MATH	ELECTIVE	ELECTIVE
CIVICS	PE / ELECTIVE / BAND	WORLD HISTORY	WORLD HISTORY	UNITED STATES HISTORY	UNITED STATES HISTORY	ELECTIVE	ELECTIVE	ELECTIVE	ELECTIVE
BIOLOGY	BIOLOGY	CHEMISTRY	CHEMISTRY	SCIENCE / ELECTIVE	SCIENCE / ELECTIVE	SCIENCE / ELECTIVE	SCIENCE / ELECTIVE	SCIENCE / ELECTIVE	SCIENCE / ELECTIVE
HEALTH / PE / BAND	HEALTH / DRIVERS ED	PE / DRIVERS EDUCATION / BAND / HEALTH	PE / DRIVERS EDUCATION / BAND / HEALTH	ELECTIVE / CONSUMER EDUCATION	ELECTIVE / CONSUMER EDUCATION	ELECTIVE / CONSUMER EDUCATION	ELECTIVE / CONSUMER EDUCATION	ELECTIVE / CONSUMER EDUCATION	ELECTIVE / CONSUMER EDUCATION
FINE ART / FOREIGN LANGUAGE	FINE ART / FOREIGN LANGUAGE	FINE ART / FOREIGN LANGUAGE	FINE ART / FOREIGN LANGUAGE	ELECTIVE	ELECTIVE	ELECTIVE	ELECTIVE	ELECTIVE	ELECTIVE
ELECTIVE	ELECTIVE	ELECTIVE	ELECTIVE	ELECTIVE	ELECTIVE	ELECTIVE	ELECTIVE	ELECTIVE	ELECTIVE
- 27 credits required to graduate – *Courses and tracks are subject to change based on availability.									

