

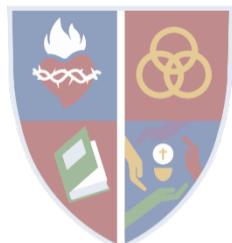
DUCHESNE HIGH SCHOOL

COURSE SELECTION GUIDE

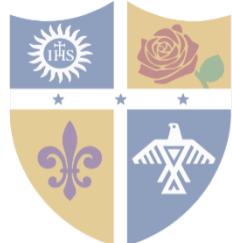
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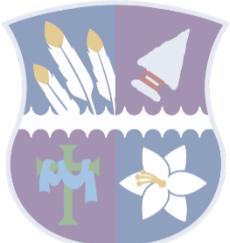
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A MESSAGE TO PARENTS AND STUDENTS

Choosing high school courses is an important aspect of a student's education. Courses form the foundation for the student's future pursuits. It is also part of a student's education in commitment.

Therefore, when selecting courses, take the following factors into consideration: the student's abilities, goals, plans for the future, and present interests. The student should discuss those factors with teachers and parents. If additional guidance is desired, the student should make an appointment with a school counselor.

When a student registers for courses, he or she commits to pursuing them during the following school year. A schedule change should not be expected. Part of a student's education is learning how to deal with situations as they arise, rather than fleeing from them.

Students registered for a year-long course cannot transfer out of that class unless their first-semester grade is a D or F.

The school's master schedule is constructed based on course registrations. Therefore, after a student receives his or her schedule, it is unlikely that there would be space for a student to enter a course for which he or she did not register for originally.

Course overrides must be completed for students who want to register for a course for which they were not recommended. If a student registers for a course at a level not recommended by the department, he or she may not drop or change the course at semester.

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OUR MISSION

Duchesne High School is a Catholic, college-preparatory school that embraces each student's unique, God-given gifts, shaping students into leaders in mind, body, and spirit.

Mind

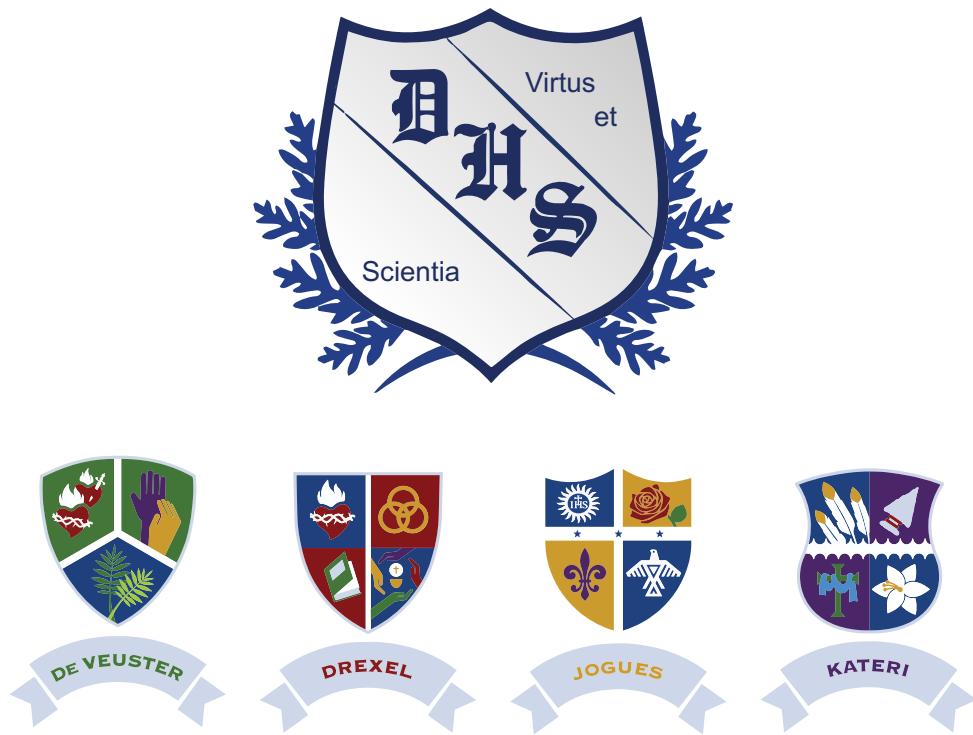
We challenge students with a rigorous curriculum and develop discerning, responsible leaders to impact a rapidly changing global community.

Body

We cultivate good stewards of God's creation by developing respect for the human body and instilling a positive approach to a healthy lifestyle.

Spirit

We continue the evangelizing mission of St. Rose Philippine Duchesne – to nurture love of God and His Church, to serve others, and to inspire moral excellence.



CREDIT REQUIREMENTS

The following requirements must be met before a diploma is awarded at Duchesne High School. A total of 28 credits must be earned in the following areas for graduation:

English	4 credits
Theology	4 credits
Math	3 credits
Science	3 credits
Social Studies**	3 credits
World Languages	2 credits
Physical Education***	1.5 credits
Fine Art	1 credit
Practical Art	1 credit
Electives	5.5 credits

** United States History is required.

*** Students must have .5 credit of Fitness and Wellness for graduation. Only one activity-based PE class may be taken per semester.

1. A student must register for at least seven credits in each of the four years of school. For a student to be classified as a sophomore, he or she must have earned at least 7 credits by sophomore year; to be classified as a junior, at least 14 credits; to be classified as a senior, at least 21 credits.
2. Students with learning disabilities follow a program of courses according to their needs and abilities based on their records. They work with the Learning Consultant to develop a schedule.
3. All credits necessary for graduation must be passed.
4. Students registered for a year-long course cannot transfer out of that class unless the first semester grade is a D or F.
5. In a year-long course where a student has failed the first semester, that student may earn recovery credit by passing the second semester. These courses may include some Math, Science, and World Language classes.
6. Credit for a failed class can be made up in summer school, a recovery credit course, a Missouri Extension correspondence course, or a Duchesne course taught by a Duchesne teacher. Any coursework must be approved by the administration.
 - a. If credit is made up by taking an additional course during the next regular school year at Duchesne, a fee comparable to a summer school course may be charged.
 - b. It is the student's responsibility to bring to the office, or have sent to the school, an official copy of a grade for make-up credit taken outside of Duchesne.
 - c. If a senior has failed a course that is needed to graduate, that student must bring to Duchesne an official record of all credits made up one week prior to the graduation ceremony to participate in graduation. If the deadline is not met, the student may not participate in graduation ceremonies.
7. A student's grade point average is cumulative throughout the student's entire high school career. It is calculated only at the semester. Only courses taken at Duchesne are included in the GPA.
8. Weighted courses are marked with an asterisk (*) and are granted grade points as follows:
A=5; B=4; C=3; D=2; F=0.

ACADEMIC PROGRAMS

Duchesne High School offers a comprehensive educational program with emphasis on the liberal arts. In addition to preparing for college or other post-high school education, the student prepares for future work experiences.

The following pages list the course requirements for graduation, as well as the courses offered at Duchesne, with brief descriptions and prerequisites. Some of these descriptions list books and videos that may be used in the class. The list does not limit the use of other resources or guarantee their use in the course.

In courses with prerequisites, a student may register for a class but become ineligible for that class by the end of the year. The student will be moved down to the appropriate class before the school year starts.

DUCESNE SCHOLARS ACADEMY

The Scholars Academy progressively layers curriculum and guides students to self-directed study. The Scholars Academy is limited to students who have earned superior scores on national standardized tests and demonstrate academic excellence. To continue through the program and graduate as a Scholar, students will need to fulfill requirements beyond those dictated by the standard curriculum. Each graduate of the Scholars Academy will need to maintain a 4.0 G.P.A. and successfully complete 18 credit hours of honors, AP, or ACC courses, completing at least 4 credit hours per year. The selected courses must exemplify the Academy's core values: curiosity and exploration. Additionally, students will need to successfully complete the 2.5 credit hours of auxiliary courses offered by the Scholars Academy.

AP & ACC COURSES

Advanced Placement (AP) is a nationally recognized program that utilizes a rigorous curriculum for high school students. An Advanced Placement exam is given in May as an assessment of the student's success. A qualifying score on the AP exam may mean that a college or university will award college credit or enable the student to skip introductory courses in an area of study. Please check the college or university website for information about the advantages of AP.

Saint Louis University 1818 Advanced College Credit is college credit offered through the university to juniors and seniors in selected courses. To achieve credit for any course in the 1818 ACC program, a student must achieve a grade of "C" or above. However, if a student earns a "D" or "F" in these courses, the grades will be permanently recorded on the student's University transcript. Saint Louis University assesses the charges for these credit hours. To register for 1818 courses at SLU, a student must have an unweighted cumulative GPA of 3.0 or higher. Saint Louis University will grant only 11 credits per semester and no more than 30 hours of credit toward graduation. Colleges and universities have different ways of accepting and using ACC credit. It is important for students to check with their prospective schools to find out what is required.

University of Missouri - St. Louis Advanced College Credit offers college credit in Biology, Anatomy, and Spanish. To register with UMSL ACC courses, a student must have an unweighted cumulative GPA of 3.0 or higher. These classes are typically only open to juniors and seniors, but some sophomores may qualify. UMSL assesses the charges for these credit hours. Colleges and universities have different ways of accepting and using ACC credit. It is important for students to check with their prospective schools to find out what is required.

NCAA ELIGIBILITY

To play athletics at an NCAA school, students must meet eligibility requirements, including course, grade, and score requirements. Requirements vary based on division. See your coach or the counselor for more details.

ENGLISH

4 CREDITS REQUIRED

	Freshman	Sophomore	Junior	Senior
Option A	Literature and Composition & High School Writing	World Literature and Composition	American Literature and Composition	Post-Apocalyptic Literature & Nature Literature
Option B	Honors Literature and Composition & High School Writing	Honors World Literature and Composition	AP/ACC The Process of Composition & AP/ACC Advanced Strategies of Rhetoric/ Research	AP/ACC Faith, Doubt, and Literature & AP/ACC Nation, Identity, and Literature AP/ACC The Process of Composition & AP/ACC Advanced Strategies of Rhetoric/ Research May choose Senior Elective Courses

711 High School Writing (Fr)

Semester - .5 credit

Prerequisite: none

High School Writing is designed to help ninth-grade students develop the skills necessary to succeed at the high school level. Throughout the course, students will strengthen their grammar fundamentals by building a solid understanding of parts of speech, sentence structure, and punctuation. Students will also learn how to write in a formal academic tone, including using the third person, maintaining consistent verb tenses, avoiding contractions, and applying MLA formatting correctly. As students improve their grammar skills, they will also focus on refining sentence craft. This includes avoiding run-on sentences, correcting comma splices, elevating word choice, and developing a clear understanding of syntax. In addition, students will work on strengthening paragraph structure and development by learning the fundamentals of summarization, paraphrasing, quoting, and PEEL-EEL paragraph organization. By the end of the course, students will be better prepared to break down prompts, organize ideas, and produce clear, well-developed writing that meets high school expectations.

712 Literature and Composition (Fr)

Year - 1 credit

Prerequisite: none

This course teaches students to read increasingly complicated arguments with understanding, discuss ideas with respect and curiosity, and write complex paragraphs and essays with clarity. Students will read a variety of literary genres, including non-fiction essays, poetry, short fiction, plays, and novels. Students

will also write frequently, developing mastery of paragraph structure and integrating, analyzing, and synthesizing evidence in both informal compositions and formal, thesis-driven essays. The course will also introduce students to the basics of research using online library databases.

714 *Honors Literature and Composition (Fr)

Year - 1 credit/Weighted

Prerequisite: Superior test scores in reading and language

Honors Literature and Composition challenges students to read and analyze a variety of literary genres through a thematic approach. Students will examine the purposes and connections of literary devices such as plot, theme, characterization, symbolism, irony, and juxtaposition. To support reading and writing skills, the course emphasizes grade-appropriate vocabulary, syntax, and paragraph structure. Students will compose formal multi-paragraph essays in narration, exposition, and argumentation, integrating textual evidence and credible research. Writing will be assessed on focus, organization, development, style, and correctness. Class discussions—both formal and informal—provide opportunities for collaborative learning and critical engagement.

As the first of two courses preparing students for advanced college credit English at Duchesne High School, this course lays a strong foundation for success in college-level reading, writing, and discussion. Enrolled students are expected to dedicate time outside of class for reading, writing, and research, complete all assignments on time, actively participate in discussions, and fully engage with all class activities.

722 World Literature and Composition (So, Jr)

Year - 1 credit

Prerequisite: none

This course furthers the skills introduced in Literature and Composition. Students will continue to read a variety of literary genres. An emphasis on literature composed outside America will seek to broaden global perspectives. Through frequent writing assignments, students will develop a mastery of the five-paragraph essay and will gradually move to longer, more analytical compositions. The course may cover the following works: Homer's *The Odyssey*, Shakespeare's *Richard III*, Yousafzai's *I Am Malala*, and Zusak's *The Book Thief*.

724 *Honors World Literature and Composition (So)

Year - 1 credit/Weighted

Prerequisite: Minimum grade of a B in both semesters of Honors Literature and Composition, or a minimum grade of an A in Literature and Composition, and the department's recommendation

The honors version of World Literature and Composition offers students an accelerated pace and a greater challenge in their writing assignments. The literature covered will be similar in scope to that addressed in World Literature and Composition, but it will be explored in greater depth. Composition instruction will assume mastery of the structure of a five-paragraph essay. Students will be introduced to elements of rhetoric, argument, and persuasion and tasked with writing multi-page essays. The course may cover the following works: Sophocles' *Oedipus and Antigone*, Shakespeare's *Macbeth and The Tempest*, and John Fowles' *The Collector*.

732 American Literature and Composition (Jr, Sr)*Year - 1 credit**Prerequisite: none*

American Literature and Composition invites students to explore the rich tapestry of American voices across a variety of genres, including novels, short stories, poetry, drama, and non-fiction. Through the lens of close reading, students will develop critical skills such as annotating texts to uncover deeper meanings, analyzing literary elements, and making connections between texts and historical or cultural contexts.

Students will engage in evidence-based literary analysis, honing their ability to craft thoughtful and well-supported arguments. A variety of essay types, including argumentative, analytical, and reflective, will challenge students to refine their writing skills while demonstrating a strong command of structure, voice, and style.

Research skills and writing will be emphasized, teaching students how to identify credible sources, integrate research effectively into their work, and properly cite evidence to support their ideas. Graded classroom discussions will provide an interactive platform for students to practice articulating their thoughts, engaging with diverse perspectives, and fostering meaningful dialogue.

736 *AP/ACC The Process of Composition (Jr, Sr) [SLU-ENG-1500]*Semester 1 - .5 credit/3 SLU Credit Hours/Weighted**Prerequisite: Minimum grade of a B in both semesters of Honors World Lit and Composition and the department's recommendation. For ACC credit, an unweighted GPA of 3.0 is required.*

This course serves as an introduction to college-level reading and composition, following the first-year writing curriculum set by Saint Louis University's Writing Program. The course aims to cultivate the reading and writing skills that students need for college success and for intellectually responsible civic engagement. Students will engage in frequent writing assignments, multiple stages of drafting, careful and thorough editing, and collaborative writing workshops. Students will also examine texts in multiple forms and from multiple genres, primarily nonfiction, to expand their understanding of the English language and rhetoric. This course focuses especially on personal narrative writing and rhetorical analysis. This course is offered in the fall and is intended to prepare students for ENGL 1900 in the spring. College credit is offered through SLU's 1818 ACC program.

See the section on AP & ACC courses for additional information.

737 *AP/ACC Advanced Strategies of Rhetoric/Research (Jr, Sr) [SLU-ENG-1900]*Semester 2 - .5 credit/3 SLU Credit Hours/Weighted**Prerequisite: Minimum grade of a B in both semesters of Honors World Lit and Composition, enrolled in 1500, and the department's recommendation. For ACC credit, an unweighted GPA of 3.0 is required.*

This course serves as an introduction to college-level research, analysis, and composition, following the first-year writing curriculum set by Saint Louis University's Writing Program. The course aims to cultivate the reading and writing skills that students need for college success and for intellectually responsible civic engagement. Students will engage in frequent writing assignments, multiple stages of drafting, careful and thorough editing, and collaborative writing workshops. Students will also examine texts in multiple forms, genre, and media as they expand their understanding of the English language and rhetoric. This course emphasizes research-based argumentative writing and persuasive multimedia composition. College credit is offered through SLU's 1818 ACC program.

See the section on AP & ACC courses for additional information.

746 *AP/ACC Faith, Doubt and Literature (Sr) [SLU-ENG-2350]

Semester 1 - .5 credit/3 SLU Credit Hours/Weighted

Prerequisite: Minimum grade of a B in both 1500 & 1900 and the department's recommendation. For ACC credit, an unweighted GPA of 3.0 is required.

English 2350 is a Saint Louis University class taught at Duchesne, allowing the student to earn both high school and college credit. On rare occasions, students may opt not to receive college credit for the course, but they are still required to take the class under the obligations of the college syllabus. Students will be evaluated on essays and exams. The course introduces literary study within the context and theme of Faith and Doubt. Through the reading of a wide variety of genres – including drama, poetry, and fiction – this course engages students in literary ways of knowing. Methods include close reading, comparative textual analysis, and argumentative writing.

See the section on AP & ACC courses for additional information.

748 *AP/ACC Nation, Identity and Literature (Sr) [SLU-ENG-2850]

Semester 2 - .5 credit/3 SLU Credit Hours/Weighted

Prerequisite: Minimum grade of a B in both 1500 & 1900, enrolled in 746, and the department's recommendation. For ACC credit, an unweighted GPA of 3.0 is required.

English 2850 is a Saint Louis University class taught at Duchesne, allowing the student to earn both high school and college credit. On rare occasions, students may opt not to receive college credit for the course, but they are still required to take the class under the obligations of the college syllabus. Students will be evaluated on essays and exams. The course introduces literary study within the context and theme of Nation and Identity. Through the reading of a wide variety of genres – including drama, poetry, and fiction – this course engages students in literary ways of knowing. Methods include close reading, comparative textual analysis, and argumentative writing.

See the section on AP & ACC courses for additional information.

SENIOR ENGLISH ELECTIVES

Seniors need to take at least one English course each semester. They may take more if their schedule allows it.

760 Post-Apocalyptic Literature (Sr)

Semester - .5 credit

Prerequisite: none

Doomsday scenarios projecting the end of civilization have been with us since the beginning of ancient times, but with the 20th century and the threat of nuclear proliferation, antibiotic-resistant diseases, cyber-attacks, environmental disasters, and ZOMBIES, this genre is once again defining our culture. Each novel study will consider the following questions: How will our world be destroyed? How can survivors reconstruct a society out of such enormous wreckage? Under these extreme conditions, what truths do we discover about human nature? What do we value the most?

In addition to shorter works and excerpts of longer works, the course will examine the following complete novels and films: *World War Z, Lucifer's Hammer, Station Eleven, Alas Babylon, One Second After, Night of the Living Dead, Deep Impact, The Road, and Trigger Effect.*

764 Nature Literature (Sr)

Semester- .5 Credit

Prerequisite: none

“Nature” may be one of the most important words in the English language: it’s how we articulate who we are – our human nature – and it describes what Pope Francis called our “common home” teeming with life, including and beyond our human societies. With man-made climate change presenting an increasing threat to our “common home,” however, we are forced to confront in new ways the *nature* of our relationship with nature. Why do we human beings hurt our natural world? What makes us different from the other living creatures who inhabit our “common home”—and what do we have in common? How *should* we relate to the natural world in which we live? And how can literature and other arts help us to wrangle these difficult questions?

This course will explore these questions through close reading and analysis of a variety of fiction, non-fiction, poetry, music, drama, and film. The work for this course will include in-class discussions and exercises, reading journals, essays, and multimedia projects. Students will also have the opportunity to take a field trip involving nature exploration.

FINE ART

1 CREDIT REQUIRED

ART

610 Art 1 (Fr, So, Jr)

Semester - .5 credit

Prerequisite: none

This is a course that provides an introduction to art through a multimedia experience. Students will gain a comprehensive understanding of the Elements of Art Principles of Design. This course will expose students to art history, creativity in professional settings, and the value of craftsmanship. This course also prepares students for Painting I and Drawing I. Students must supply their own sketchbook.

612 Drawing 1 (So, Jr, Sr)

Semester - .5 credit

Prerequisite: Art 1

This is an introductory-level course in which students will learn to select and apply two-dimensional media, techniques, and processes to communicate ideas and solve challenging visual art problems. Students will explore the following modes of drawing: line, hyperrealism, anamorphic, architecture, and surrealism. Various media such as pencil, charcoal, and ink will be used. Students must supply their own materials.

614 Painting 1 (So, Jr, Sr)

Semester - .5 credit

Prerequisite: Art 1

This is an introductory-level course dealing with the study of value, color, lighting, and composition. Students will explore various painting techniques and media, including acrylic and watercolor paints. Students must supply their own materials.

624 Painting 2 (So, Jr, Sr)

Semester - .5 credit

Prerequisite: a "B" or higher in Painting 1

This is an advanced course for students who want to continue their study of painting. Students will learn to independently apply two-dimensional media, techniques, and processes to communicate ideas and solve challenging visual art problems. Students will further explore their own artistic processes and will deepen the meaning of their work. Students must supply their own materials.

616 Ceramics 1 (So, Jr, Sr)

Semester - .5 credit

Prerequisite: none

This course deals with the medium of clay. Students will be introduced to the various methods of clay construction and the compositional elements associated with sculpture. This course emphasizes craftsmanship and effort. Students must supply their own sketchbook.

626 Ceramics 2 (So, Jr, Sr)*Semester - .5 credit**Prerequisite: a "B" or higher in Ceramics 1*

This is an advanced course for students who want to continue their study of ceramics. Students will further explore and improve upon hand-building methods, glaze applications, and advanced detail work. Students will learn to independently work through technical challenges, as well as their creative and problem-solving processes. Students must supply their own sketchbook.

628 Mixed Media (So, Jr, Sr)*Semester - .5 credit**Prerequisite: none*

In this course, students will create works of visual art that combine a variety of art media with an emphasis on three-dimensional works. Projects may include collages, art journals, recycled art, plaster carvings, ceramics, and a study of mixed media artists. Each project will challenge students to work independently through complex and potentially frustrating tasks. Students must supply their own sketchbook.

618 Digital Photography & Sports Media (So, Jr, Sr)*Semester - .5 credit**Prerequisite: none*

This is an introductory course in digital photography, videography, and photo/video editing. This course involves hands-on experience with the camera and editing apps, especially Photoshop, Final Cut Pro, & Motion. It will work on the application of the finished products to various media (including digital scoreboards).

629 Art Seminar (Jr, Sr)*Semester - .5 credit**Prerequisite: teacher recommendation*

This is an independent study for students planning to pursue art in any capacity post-high school and who require a portfolio of artwork. Students may choose from media such as drawing, painting, or sculpting. The semester culminates in an in-school exhibition of work and a completed digital portfolio tailored to the individual's post-high school plans. Students must supply materials as needed.

DRAMA

630 Acting 1 (Fr, So, Jr, Sr)

Semester - .5 credit

Prerequisite: none

This introductory theater course covers theater games, beginning movements, stage terms, character development, pantomime, and improvisation. Major projects include monologues, duet acting, and small-group scenes. Emphasis is placed on imagination and creativity.

634 Video Productions 1 (So, Jr, Sr)

Semester - .5 credit

Prerequisite: none

This course is an introduction to electronic video production. Students will learn the basics of writing, producing, and editing videos. Through hands-on experience, students will learn the basics of operating digital camcorders and mirrorless cameras and use editing software. Students will also learn the skills necessary to produce live-to-tape or live-streamed programming using Duchesne's television studio.

644 Video Productions 2/Broadcasting (So, Jr, Sr)

Semester - .5 credit

Prerequisite: Video Productions 1 and teacher approval.

This is a project-based course where students operate as a professional creative agency. The "Agency" will serve high-profile clients to create high-end, 3–5 minute brand-elevation videos. Students are responsible for the entire lifecycle of a production: client discovery, scripting, cinematic filming, and advanced post-production.

MUSIC

662 Concert Choir (Fr, So, Jr, Sr)

Year - 1 credit

Prerequisite: none

This class is designed for any student who wants to learn to sing and understand music. Students will work on sight-reading and part-singing. Students will learn to play the piano well enough to help them work on their singing part. This choir performs 2-part, 3-part, and 4-part music written for a large choir. The fall, Christmas, and spring concerts, as well as performances at competitions and in the community, are required. A calendar will be provided at the beginning of each semester. This course fulfills your fine arts credit.

664 *Honors Vocal Ensemble (So, Jr, Sr)*Year - 1 credit: Weighted**Prerequisite: Music performance experience at Duchesne, audition, and teacher approval*

This mixed Chorus is designed to provide the opportunity for advanced vocal students to sing in a small performing ensemble. Emphasis on jazz and chamber music styles. Students will work on sight-reading and part-singing. Students will learn to play piano well enough to help them work on their singing part on their own. This choir performs challenging 3 or 4-part music written for a large choir. **Please note: this choir performs at many events outside of normal school hours.**

Students are required to take part in District Choral Events.

678 Music Lab (Fr, So)*Semester - .5 credit**Prerequisite: none*

This course is designed for students with little or no musical experience who would like to learn the basics of playing a musical instrument. Students will NOT be required to participate in some school performances outside of class time. Students will learn to read music while learning to play instruments. Students will choose between flute, clarinet, saxophone, French horn, trumpet, trombone, tuba, or percussion. If these students choose to go on to Honors Concert Band, they will be welcome to audition.

674 *Honors Concert Band (Jr, Sr)*Year - 1 credit/Weighted**Prerequisite: Audition and teacher approval*

This is a full-credit class available to those at an advanced level. In addition to maintaining a minimum 93% band grade for each grading period, students enrolled in band for honors credit will also satisfy each of the following three components: Performance, Community Service, and Listening.

Students are required to take part in District Band Events.

684 Music Theory (Jr, Sr)*Semester - .5 credit**Prerequisite: Teacher approval*

This course is designed for students with prior instrumental or vocal experience and who are highly motivated in music. Students will be introduced to the fundamentals of music theory, including scales, intervals, chord structure, transposition, analysis, and composition.

668 Chamber Ensemble (Fr, So, Jr, Sr)*Semester - .5 credit**Prerequisite: Teacher approval*

Also known as **Drumline**, this course is designed for students who want to expand their musical abilities. Percussion, body percussion, and varying musical instruments will be used in this program. This will be a high-octane, highly rhythmic class. Students will perform in small groups to enhance their understanding of tonality, balance, and tuning. This will be a fast-paced class that is full of excitement. Students will perform at three major concerts during the school year.

MATHEMATICS

3 CREDITS REQUIRED

Students enrolled in math classes are expected to study and complete math homework for an average of 1 hour per day. Therefore, students must schedule this amount of time among their priorities to succeed in math.

	Freshman	Sophomore	Junior	Senior
Option A	Algebra 1A	Algebra 1B	Geometry A	Algebra 2A
Option B	Algebra 1	Geometry	Algebra 2 Algebra 2A	Algebra 3 ACC College Algebra
Option C	Honors Algebra 1	Honors Geometry	Honors Algebra 2	AP Statistics ACC College Algebra
Option D	Honors Algebra 1	Honors Geometry	Hon. Alg. 2 & Trigonometry (.5)	ACC/AP Calculus AP Statistics ACC College Algebra
Option E	Honors Geometry	Honors Algebra 2	AP Statistics & Trigonometry (.5)	ACC/AP Calculus ACC College Algebra
Option F	Honors Geometry	Honors Algebra 2	ACC College Algebra & Trigonometry (.5)	ACC/AP Calculus AP Statistics

310 Algebra 1A (Fr)

Year - 1 credit

Prerequisite: none

This course is designed for students who have not had any Pre-Algebra coursework. The course includes sets, real numbers, solving equations and inequalities, polynomials, and graphs of linear equations, and verbal problems. It will move at a slower pace and have less theory than Algebra 1 in order to be sure students have a solid understanding of Algebra.

312 Algebra 1 (Fr)

Year - 1 credit

Prerequisite: Average test scores in math

This course includes sets, real numbers, solving equations and inequalities, polynomials, graphs of linear and quadratic equations, and verbal problems.

314 *Honors Algebra 1 (Fr)

Year - 1 credit/Weighted

Prerequisite: Superior test scores in math

This course includes sets, real numbers, solving equations and inequalities, polynomials, graphs of linear and quadratic equations, and verbal problems. Students enrolled in this class are expected to move at a more rapid pace.

320 Algebra 1B (So)

Year - 1 credit

Prerequisite: Algebra 1A

This course will continue from the material covered in Algebra 1A.

322 Geometry (So)

Year - 1 credit

Prerequisite: Algebra 1

This course is the study of plane and coordinate geometry, definitions and axioms, proofs and deductive reasoning, polygons, constructions, and formulas. Topics include deductive reasoning, proofs, polygons, constructions, and formulas.

324 *Honors Geometry (Fr, So)

Year - 1 credit/Weighted

Prerequisite: Minimum grade of an A in Honors Algebra 1. Freshman placement is determined by the Duchesne High School placement test.

This course is the study of plane and coordinate geometry, definitions and axioms, proofs and deductive reasoning, polygons, constructions, and formulas. Students who enroll in 324 are expected to cover material in more depth.

330 Geometry A (So, Jr)

Year - 1 credit

Prerequisite: Algebra 1A, Algebra 1B, or Algebra 1

This course is the study of plane and coordinate geometry, definitions and axioms, with proofs and deductive reasoning, polygons, constructions, and formulas. Topics include deductive reasoning, proofs, polygons, constructions, and formulas.

332 Algebra 2 (So, Jr, Sr)

Year - 1 credit

Prerequisite: Algebra 1 and Geometry

Algebra 2 provides a more critical review of the topics in Algebra 1. This course will develop in the student an understanding of number systems and a facility for using algebraic expressions. Algebra 2 stresses both the structure of algebra and the development of computational problem-solving skills.

334 *Honors Algebra 2 (So, Jr)

Year - 1 credit/Weighted

Prerequisite: Minimum grade of a C in Honors Geometry

This course provides a more critical review of the topics in Algebra 1. This course intends to develop, in the student, an understanding of number systems and a facility for using algebraic expressions. Algebra 2 stresses both the structure of algebra and the development of computational problem-solving skills. Students who enroll in the 334 level are expected to move at a more rapid pace. Extra work is part of this course.

335 *Trigonometry (So, Jr, Sr)

Semester 2 - .5 credit/Weighted

Prerequisite: Enrolled in Honors Algebra 2, Statistics, or College Algebra

For second semester Juniors who plan to take Calculus or AP Physics.

Trigonometry is an excellent example of unified mathematics. It is a true correlation between arithmetic, algebra, and geometry. Topics include logarithmic functions, trigonometric functions, applications, graphical representation, identities, complex numbers, and verbal problems.

340 Algebra 2A (Jr, Sr)

Year - 1 credit

Prerequisite: Algebra 1A, Algebra 1B, Geometry A, Geometry

Algebra 2A provides a more critical review of the topics in Algebra 1. This course intends to develop, in the student, an understanding of number systems and a facility for using algebraic expressions. Algebra 2A stresses both the structure of algebra and the development of computational problem-solving skills.

342 Algebra 3 (Jr, Sr)

Year - 1 credit

Prerequisite: Completion of Algebra 2 or Honors Algebra 2

This course will develop in the student an understanding of number systems and a facility for using algebraic expressions. Algebra 3 stresses both the structure of algebra and the development of computational problem-solving skills. This course is a strong preparation for College Algebra.

346 *ACC/AP Calculus (Jr, Sr)

Year - 1 credit/Weighted

Prerequisite: Minimum grade of a C in Honors Algebra 2 and Trigonometry.

This course is designed as a first calculus course covering differential and integral calculus and analytic geometry. A strong background in Algebra and Trigonometry is necessary. The course emphasizes functions, limits, derivatives, and integrals. Geometry is the basis for much discussion within the course. Emphasis is also placed on problem-solving strategies and understanding concepts and computational techniques. An emphasis is also placed on writing to communicate mathematics. Group work is part of this course. Students will have the option of registering for college credit through Saint Louis University.

See the section on AP & ACC Courses for additional information.

347 *AP/ACC Calculus 2(BC) (Sr)

Year- 1 Credit/Weighted

Prerequisite: Minimum grade of A in ACC/AP Calculus and teacher recommendation.

Students will investigate, analyze, and apply techniques of integration, differential equations, and sequences and series through projects, problems, collaboration, and discussion. Students enrolled in this course need to be highly motivated and self-starters. Options are available for 1818 college credit through St. Louis University or by taking the AP Calculus BC Exam.

348 *ACC College Algebra (Jr, Sr)

Year - 1 credit

Prerequisite: Teacher Recommendation or enrolled in Honors Algebra 2

This course includes algebraic essentials, graphs, functions and their graphs, linear and quadratic functions, polynomial and rational functions, exponential and logarithmic functions, and systems of linear equations. Students will have the option of registering for college credit through Saint Louis University.

See the section on AP & ACC courses for additional information.

352 *AP Statistics (Jr, Sr)

Year - 1 credit/Weighted

Prerequisite: Honors Algebra 2, or Algebra 2.

A statistical calculator is required (Ti84, numworks, etc.)

The purpose of the AP Statistics course is to introduce students to major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

1. Exploring Data: Describing patterns and departures from patterns
2. Sampling and Experimentation: Planning and conducting a study
3. Anticipating Patterns: Explore random phenomena using probability & simulation
4. Statistical Inference: Estimating population parameters and testing hypotheses

Students who successfully complete the course and exam may receive credit, advanced placement, or both for a one-semester introductory college statistics course.

See the section on AP & ACC courses for additional information.

PHYSICAL EDUCATION

1.5 CREDITS REQUIRED

Students must take one full credit of Physical Education and a half credit of Fitness and Wellness (Health) during their four years. All activity classes and Fitness and Wellness courses are a half credit. A student must take two Physical Education classes to meet the one credit requirement for Physical Education and take Fitness and Wellness One or Two at some time to meet the one-half credit requirement for Fitness and Wellness. A student may not be enrolled in two activity-based PE classes in the same semester.

812 Fitness and Wellness 1 (Fr, So)

Semester - .5 credit

Prerequisite: none

This course helps students examine their lifestyles, set goals, and plan to achieve optimal fitness and wellness. Students are instructed in ways to choose behaviors that prevent illness and accidents. The areas of focus in this course include promoting a healthy lifestyle and behaviors; reducing health risks; building health skills; decision-making and goal setting; building character; nutrition; illegal substances; mental and emotional health; and personal health.

832 Fitness and Wellness 2 (Jr, Sr)

Semester - .5 credit

Prerequisite: none

The course focuses on current issues in fitness and wellness. The course is designed to teach healthful living and responsible decision-making. The course includes topics such as living a healthy life; building health skills and character; tobacco; alcohol; medicines and drugs; promoting safe and healthy relationships; family relationships; peer relationships; common communicable diseases such as STDs, HIV/AIDS; non-communicable diseases and disabilities; first aid; and current lifestyle issues of our society.

Students must take two of the following:

814 Beginning Team Sports (Fr, So)

Semester - .5 credit

Prerequisite: none

During this course, students are introduced to the rules and strategies of various team sports. In some cases, rules are modified to accommodate the range of skills. The primary focus of the class is the history of various team sports, skill development, and knowledge of rules. This course includes activities such as volleyball, basketball, football, softball, soccer, fleet ball, wiffle ball, and floor hockey.

816 Individual and Dual Sports (Fr, So)

Semester - .5 credit

Prerequisite: none

In this course, students are introduced to the rules and strategies of various individual and dual sports. Students will develop knowledge of history, strategy, and rules of activities such as table tennis, tennis, pickleball, badminton, frisbee golf, washers, horseshoes, ladder ball, and nitro ball.

824 Aerobics (So, Jr, Sr)

Semester - .5 credit

Prerequisite: none

This course is designed to promote individual fitness through aerobic-type activities. Students are instructed in the proper use of stretching exercises applicable to each major muscle group of the body. Through aerobic activity, students gain knowledge about cardiovascular fitness. Each student will develop a fitness program designed for his or her needs.

This course involves physical fitness testing, followed by activities such as walking, jogging, jump roping, aerobic videotapes, stair climbing, plyometrics, Pilates, Tae Bo, yoga and some weight-room activities.

826 Weight Training (So, Jr, Sr)

Semester - .5 credit

Prerequisite: none

Students are trained in safe weight-training techniques. In this course, students participate in a weight-training program and chart their individual progress. In addition to lifting weights, students gain knowledge about the various muscle groups and the effects of training.

Individual workouts will be designed from at least two of the following types: circuit training, plyometrics, isometric, isokinetic, universal machine, and free weights

828 Advanced Team Sports (So, Jr, Sr)

Semester - .5 credit

Prerequisite: Beginning Team Sports

This course is a continuation of the beginning team sports class offered during the freshman and sophomore years. This course is designed for the moderately skilled athlete who prefers competitive activities. The course focuses on strategy and competition. Students will learn advanced skills of team sports such as basketball, football, floor hockey, volleyball, soccer, and softball. During the semester, there are class tournaments and competitions in various activities.

PRACTICAL ARTS

1 CREDIT REQUIRED

510 Computer Applications (Fr, So, Jr, Sr)

Semester - .5 credit

Prerequisite: none

This course will explore a wide variety of computer topics, ranging from the inner workings of the computer to using office applications, including word processing, databases, spreadsheets, and presentation software. Students will be introduced to the basics of creating and maintaining a website throughout the semester.

516 Programming I (Fr, So, Jr, Sr)

Semester - .5 credit

Prerequisite: Computer Applications

This introductory programming course introduces students to the basics of how coding works. Topics of instruction include manipulation of strings, math operations, writing functions, and an introduction to the design, creation, and maintenance of web pages. This course is designed for students interested in learning more about programming and computer logic. No previous programming experience is required to complete this course successfully.

518 Programming II (So, Jr, Sr)

Semester - .5 credit

Prerequisite: Programming I

This course is designed for those students seeking advanced programming experience while still in high school. This course teaches the fundamentals of computer programming as well as some advanced features of Python and Java language. Students will develop an appreciation for how computers store and manipulate information by building projects and designing games and art.

520 Robotics I (Fr, So, Jr, Sr)

Semester - .5 credit

Prerequisite: none

This robotics course is a lab-based course that uses a hands-on approach to introduce the basic concepts of robotics, focusing on the construction and programming of autonomous mobile robots. This course will provide students with the skills to build and problem-solve working robotics systems in a group-based team project.

527 Applied Competitive Robotics (Fr, So, Jr, Sr)

Semester - .5 credit

Prerequisite: Teacher Approval

This class gives students the opportunity to work on building the First Tech Challenge (FTC) robot that will be used in competition for the Duchesne Robotics team. This course is designed to provide students with hands-on experience in robotics and engineering while also helping them develop critical thinking and problem-solving skills. Students will work on designing the robot, selecting and assembling the necessary components, programming the robot, and testing its functionality. This course is an excellent opportunity for students who are interested in robotics and engineering to gain hands-on experience and develop important skills that will benefit them in their future careers. This course is repeatable each semester.

530 The American Economy (So, Jr, Sr)

Semester - .5 credit

Prerequisite: none

The objective of this course is to help students become acquainted with the business world by introducing them to economic concepts and business systems. This course will serve as a background for other business courses students may take in high school and college. Topics to be covered include microeconomic and macroeconomic concepts such as supply and demand, scarcity, opportunity cost, and the effects of the economic cycle. Also covered will be units on entrepreneurship, international business, and preparation for the workforce.

532 Personal Finance (Jr, Sr)

Semester - .5 credit

Prerequisite: none

This one-semester course is designed to help students have a better understanding of personal finance literacy. The knowledge acquired in this course will lay the foundation for students to build strong money habits early on and avoid many of the mistakes that lead to lifelong financial struggles. Topics include careers and college, taxation, money management and budgeting, saving and investing, debt avoidance, and insuring assets.

542 Marketing (Jr, Sr)

Semester - .5 credit

Prerequisite: none

This one-semester course focuses on the activities involved in transferring business products from the warehouse to the consumer's home. This marketing course just may inspire students to study marketing at a more advanced level, which can be a springboard for a challenging and successful career in the business world. Whether you are a future marketing executive or simply want to be an informed everyday consumer, this course will teach marketing principles within a project-based curriculum. Students will learn to analyze consumer behavior, identify target markets, study external factors that influence marketing, and combine elements for an effective promotional mix.

552 Accounting 1 (Jr, Sr)

Year - 1 credit

Prerequisite: none

This course is structured for a student interested in pursuing a business degree as well as learning the daily activities of owning or managing a business. The scope of the course covers the entire accounting cycle. Students will learn to journalize, post to ledgers and subsidiary ledgers, prepare and analyze financial statements, record adjusting and closing entries, prepare payroll records, and learn to offer

educated financial advice. Computer programs are used for business analysis offering students a realistic view of the entire accounting cycle and the opportunity for practical application. Any student interested in pursuing a business career should consider taking this course, as it will offer an essential understanding of business operations.

554 *Honors Accounting 2 (Sr)

Year - 1 credit: Weighted

Prerequisite: Minimum grade of a B in Accounting 1 and Teacher recommendation

This second-year course is career-oriented and is designed for those students hoping to pursue an accounting or related business career. Being able to understand generally accepted accounting principles, budgeting, inventory and supply management, depreciation, account management, and basic tax rules can prepare you for tackling a variety of tasks in your future business career.

Students will review basic Accounting 1 principles and build upon these concepts with new terms and procedures. Corporate and Departmental accounting are the basis of the study of financial accounting; however, we will also consider the areas of Managerial, Cost, and Tax Accounting. Computer software is used in this course.

566 Yearbook (So, Jr, Sr)

Year - 1 credit

Prerequisite: none

This class is responsible for publishing the school yearbook. Students should realize that application and acceptance for this class constitutes a commitment to cover sports events or other events occurring after classes, in the evening, and off campus.

Students must be ready to work with technology (Herff Jones e-design) and to acquire the fundamentals of journalistic writing, interviewing, photography, and desktop publishing. Other learned skills include research, proofreading, editing, layout and design, and marketing. Students will be expected to think creatively and accept critical input from others.

This is a two-semester course.

SCIENCE

3 CREDITS REQUIRED

Three credits of science are required for graduation, two must be lab courses; one of which must be a life science, and one must be a physical science.

	Freshman	Sophomore	Junior	Senior
Option A	Intro to Physical Science	Intro to Biology	Sports Science STEM Investigation	Sports Science STEM Investigation Chemistry Human Anatomy
Option B	Physical Science	Biology	Chemistry	Physics Human Anatomy Sports Science STEM Investigation
Option C	Pre-AP Physics	Honors Biology	Honors Chemistry ACC Anatomy and Physiology	ACC Chemistry ACC Anatomy and Physiology AP/ACC Biology AP Physics
Option D	Pre-AP Physics	Honors Biology AND Honors Chemistry	ACC Chemistry ACC Anatomy and Physiology AP/ACC Biology	ACC Chemistry ACC Anatomy and Physiology AP/ACC Biology AP Physics

410 Introduction to Physical Science (Fr)

Year - 1 credit

Prerequisite: none/a scientific calculator is required.

Students in this course are introduced to the basics of physics while also emphasizing essential science skills. Areas of concentration include laboratory skills such as graphing, evaluating data, measuring, using the scientific method, and researching information.

412 Physical Science (Fr)

Year - 1 credit

Prerequisite: none/a scientific calculator is required.

Students in this course are introduced to physics while also emphasizing essential science skills. Areas of concentration include laboratory skills such as graphing, evaluating data, measuring, using the scientific method, and researching information.

414 *Pre-AP Physics (Fr)

Year - 1 credit/Weighted

Prerequisite: Superior test scores in science/a scientific calculator is required

Pre-AP Physics is a comprehensive introductory physics course covering the major topics of classical physics, including mechanics, thermodynamics, waves, optics, electromagnetism, and atomic theory. Pre-AP Physics is a course in which you will study natural phenomena through conceptual knowledge and math. This course will develop critical thinking and problem-solving skills through a laboratory setting.

420 Introduction to Biology (So)

Year - 1 credit

Prerequisite: Passing grade in Intro. to Physical Science

This course covers scientific procedure, the structure and function of cells and tissues, the basic systems in plants, animals, and man, heredity, evolution, and ecology. The material is presented in lecture form and requires note-taking. Laboratory and hands-on activities are an integral part of this course.

422 Biology (So)

Year - 1 credit

Prerequisite: Physical Science or Pre-AP Physics

This course covers the fundamentals of cell structure and functions, genetics, a survey of the five kingdoms, theories of evolution, a brief survey of plant function and structure, and an introduction to ecological concepts. The material is presented in lecture form and requires note-taking. Laboratory and hands-on activities are an integral part of this course.

424 *Honors Biology (So)

Year - 1 credit/Weighted

Prerequisite: Pre-AP Physics

This course covers in depth the concepts of cell anatomy and physiology, genetics, a survey of the five kingdoms, theories of evolution, a brief survey of plant physiology, and an introduction to ecological concepts. The material emphasizes scientific method and factual knowledge. The pace of this course is accelerated to allow time for extra units and laboratory work in addition to the units and labs done in Biology. Laboratory work, hands-on activities, and research into current science topics are an integral part of this course.

426 *AP/ACC Biology (Jr, Sr) [UMSL-BIO-1012/1013]

Year - 1 credit/4 UMSL Credit Hours/Weighted

Prerequisite: Earned an A or B in Honors Biology and Honors Chemistry

This course is designed to be the equivalent of a college introductory biology course. AP Biology is a continuation of Biology 1, covering many of the same topics but in greater depth and at a faster pace. The general areas of study include molecules and cells, heredity and evolution, and organisms and populations. Laboratory work is a large part of this class. Labs and coursework will be equivalent to college expectations. Students who take this course must be willing to study outside of class on a regular basis. Lab write-ups will be expected with each lab activity. Essential to success in this course is a grasp of science as a process rather than an accumulation of facts, as well as application of biological knowledge and critical thinking.

See the section on AP & ACC courses for additional information.

432 Chemistry (Jr, Sr)

Year - 1 credit

Prerequisite: Concurrent enrollment in Algebra 2, Honors Algebra 2, or Honors Geometry.

The material covered in this course includes the scientific method, nature of matter, atomic structure, periodic table, chemical reactions and equations, bonding, gas laws, and reaction rates. Lecture and laboratory materials include some emphasis on mathematical relationships. Chemistry is one of the basic sciences, and any student considering a career in a field of science or medicine, engineering, or conservation should really consider taking the course.

434 *Honors Chemistry (So, Jr, Sr)

Year - 1 credit/Weighted

Prerequisite: Teacher recommendation/ a scientific calculator is required.

The material covered in this course includes the scientific method, nature of matter, atomic structure, periodic table, chemical reactions and equations, bonding, gas laws, and reaction rates. Lecture and laboratory materials include some emphasis on mathematical relationships. Chemistry is one of the basic sciences, and any student considering a career in a field of science or medicine, engineering, or conservation should really consider taking the course. The pace of this class is accelerated to allow for more in-depth coverage and more topics.

436 *ACC Introduction to Chemistry I (Jr/Sr) [SLU-CHEM-X1110/1115]

Semester 1 - .5 credit/ 4 SLU Credit Hours/ Weighted

Prerequisite: Earned an A or B in Honors Chemistry

This course is a college-level examination of chemistry, not only its application of chemical principles, but also its theoretical aspects. A focus exists in this course on problem-solving techniques, college-level note-taking, and appreciation of complex concepts. This course is designed for the student who is planning on continuing in the sciences, though the course does not count for college credit in the SLU health sciences program. The student can register for this course through SLU to gain 4 credit hours of Intro. to Chemistry I.

Possible video shown: *Einstein's Big Idea*

See the section on AP & ACC courses for additional information.

437 *ACC Introduction to Chemistry II (Jr/Sr) [SLU-CHEM-X1120/1125]

Semester 2 - .5 credit/ 4 SLU Credit Hours/ Weighted

Prerequisite: Earned an A or B in Honors Chemistry and enrolled in ACC Chemistry I/ a scientific calculator is required.

This is a continuation of the Introduction to Chemistry I class. This course is designed for the student who is planning on continuing in the sciences, though the course does not count for college credit in the SLU health sciences program. The student can register for this course through SLU to gain 4 credit hours of Intro. to Chemistry II.

See the section on AP & ACC courses for additional information.

442 Physics (Jr, Sr)

Year - 1 credit

Prerequisite: Completion of Chemistry or Honors Chemistry, and completion or concurrent enrollment of Algebra 2 or Honors Algebra 2/ a scientific calculator is required.

This course enables a student to understand and apply the basic laws of physics in a practical way. It provides an algebraic, highly practical approach to the basic areas of mechanics, heat, sound, optics, and electricity. Laboratory work, to both introduce and reinforce concepts, is followed by required formal lab reports.

446 *AP Physics (Jr, Sr)

Year - 1 credit/Weighted

Prerequisite: Earned an A or B in Chemistry or Honors Chemistry, and completion of Trigonometry or Pre-calculus with a grade of A or B/ a scientific calculator is required.

AP Physics is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore these topics: kinematics; dynamics; circular motion and gravitation; energy; momentum; simple harmonic motion; torque and rotational motion; electric charge and electric force; DC circuits; and mechanical waves and sound.

Physics is necessary for most fields of science, math, engineering, and medicine. If a student is interested in any of these fields, a course of this level will prove to be of invaluable help.

See the section on AP & ACC courses for additional information.

460 Sports Science (Jr, Sr)

Semester 2 - .5 credit

Prerequisite: two lab science credits

This academic course applies principles of the natural and physical sciences to human performance, movement, and exercise physiology in a college-preparatory context. Students investigate biomechanics, physiology, anatomy, metabolism, energy systems, nutrition science, force and motion, and injury prevention using experimental design, scientific inquiry, quantitative data collection, and statistical analysis. Emphasis is placed on scientific methodology, interpretation of scientific literature, and application of evidence-based principles to real-world athletic contexts. Instruction integrates biology, physics, and chemistry concepts to meet natural/physical science standards.

Course learning experiences include laboratory investigation of motion and force analysis (e.g., using force plates, motion sensors, and video analysis to quantify sprint starts, vertical jumps, or throwing mechanics). Performance-based physiological assessments (e.g., graded exercise tests, heart rate and VO2 response, power and endurance testing) with formal data recording, interpretation, and scientific reporting. Applied nutrition and recovery research labs (e.g., controlled comparison of fueling strategies and their effects on biochemical markers, muscle recovery, or performance outcomes).

462 Human Anatomy (Jr, Sr)

Year - 1 credit

Prerequisite: Completion of Biology and Chemistry

This is designed around the study of the human body systems with emphasis on how they work together. Coursework will include lectures, videos, laboratory work with some dissection, reading assignments, and the use of computers for research and virtual lab work. During the second semester, dissection is an integral part of the course curriculum. Success in this class requires good memorization skills.

This class is for students interested in the study of the human body and for those students interested in the medical field who do not meet the prerequisites for Honors Anatomy and Physiology.

464 *ACC Anatomy and Physiology (Jr, Sr) [UMSL-BIO-1131]

Year - 1 credit/4 UMSL Credit Hours/Weighted

Prerequisite: Earned an A or B in Honors Biology and earned an A or B in Chemistry or concurrent enrollment in Chemistry or Honors Chemistry

Anatomy and Physiology is an in-depth study of the human body systems; how they are put together (Anatomy) and how they work (Physiology). Emphasis will be placed on how the various systems of the body interact with one another as well as medical issues pertaining to each system. Coursework will include lectures, laboratory work, reading assignments, research assignments, and virtual lab work. During the second semester, dissection is an integral part of the course curriculum. Due to the nature of the subject, strong memorization skills are necessary for success in this class.

This class is designed for students who wish to pursue a career in the medical or science field. Students who are not intending to pursue a career in these fields but have a genuine interest in the class subject and meet the prerequisites are welcome. Students may also register for Biology 1131: Human Physiology and Anatomy I through UMSL

See the section on AP & ACC courses for additional information.

Note: Students enrolled in this course will not be eligible to take Human Biology at any time.

472 STEM Investigation (Jr, Sr)

Semester 1 - .5 credit

Prerequisite: Two lab science credits and teacher recommendation

As the title suggests, STEM Investigations is a course designed to develop and integrate a student's skills in science, technology, engineering, and mathematics. The course will cover current topics through the lens of STEM. Over the course of the semester, students will work collaboratively to imagine, design, and build solutions to problems set forth in the curriculum. Assessments will primarily focus on the completion and presentation of these solutions. Coursework, including design and building of projects, will be done during class time and require working with groups. Consistent attendance is a key factor in the student's success in the course. Students will be expected to work together to meet the deadlines involved with solving a problem and presenting their solution.

SOCIAL STUDIES

3 CREDITS REQUIRED

	Freshman	Sophomore	Junior	Senior
Option A	World History I (.5)	World History II (1)	United States History (1) <i>Contemporary World Issues (.5)</i> <i>Psychology (.5)</i> <i>U.S. Government (.5)</i>	U.S. Government (.5) <i>Contemporary World Issues (.5)</i> <i>Psychology (.5)</i>
Option B	*Honors World History I (.5)	*AP World History: Modern (1)	United States History (1) OR *AP History of U.S. to 1865 (.5) *AP History of U.S. Since 1865 (.5) <i>Contemporary World Issues (.5)</i> <i>Psychology (.5)</i>	*AP European History to 1800 (.5) *AP European History Since 1800 (.5) *Honors American Politics (.5) <i>Contemporary World Issues (.5)</i> <i>Psychology (.5)</i>

Bold=Required courses starting with the Class of 2030

Italicized=Electives

112 World History I (Fr)

Semester - .5 credit

Prerequisite: none

This course will explore global human development through history, with particular emphasis on applying history's lessons to current world events. Ancient history through the early medieval world will be covered. Students will identify and compare methods of living, ruling, and worshipping by examining world governments and their economic and religious institutions. Independent reading, outside research, note-taking, writing, and the use of current technology will be required for students to master and integrate the material. Collaborative projects and classroom presentations will also be featured.

114 *Honors World History I (Fr)

Semester 1 - .5 credit/Weighted

Prerequisite: Superior test scores

This course will move at a faster pace with more depth than World History I. Students will study global human development through history, with particular emphasis on applying history's lessons to current world events. Ancient history through the early medieval world will be covered. Students will identify and compare methods of living, ruling, and worshipping by examining world governments and their economic and religious institutions. Students enrolled in this class will use considerable critical thinking skills, must be able to keep up with daily homework and research assignments, and possess excellent note-taking skills. Independent reading, outside research, note-taking, writing, and the use of current technology will be required for students to master the material. Collaborative projects and classroom presentations will also be featured.

122 World History II (So)*Year - 1 credit**Prerequisite: World History I*

This course will study global human development through history, with particular emphasis on applying history's lessons to current world events. The early modern world to the present will be covered. Students will identify and compare methods of living, ruling, and worshipping by examining world governments and their economic and religious institutions. Independent reading, outside research, note-taking, writing, and the use of current technology will be required for students to master and integrate the material. Collaborative projects and classroom presentations will also be featured.

The course will examine the following videos: *Modern Marvels*, *Napoleon: To Destiny*, *Hotel Rwanda*, *Escape from Sobibor*

124 *AP World History: Modern (So)*Year - 1 credit/Weighted**Prerequisite: Minimum grade of a B in Honors World History I, or a minimum grade of an A in World History with department recommendation*

This course is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present by analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organizations, and technology and innovation.

See the section on AP & ACC courses for additional information.

132 United States History (Jr)*Year - 1 credit**Prerequisite: none*

This course covers the history of the United States from pre-Revolution to present day. The course is conducted in chronological order, following the development of our country from pre-Revolutionary times to an industrial giant and world leader. Outside readings and research, chapter and unit projects, a good deal of independent textbook reading, note-taking in class, and classroom discussion will be required of the students.

136 *AP History of U.S. to 1865 (Jr)*Semester 1 - .5 credit/Weighted**Prerequisite: Minimum grade of a B in both semesters of AP World History: Modern*

This course covers the history of the United States from pre-Revolutionary times through Reconstruction. It is an accelerated course using lecture material, outside research, and supplementary readings. The course is taught according to the guidelines set by the College Board. The course will examine episodes from the Ken Burns documentaries *New York* and *The Civil War*.

See the section on AP & ACC courses for additional information.

137 *AP History of U.S. Since 1865 (Jr)*Semester 2 - .5 credit/Weighted**Prerequisite: Minimum grade of a B in both semesters of AP World History: Modern and enrolled in 136*

This course covers the history of the United States from post-Reconstruction to the present day. It is an accelerated course using lecture material, outside research, and supplementary readings. The course is taught according to the guidelines set by the College Board. Documentaries on the 1920s, the Depression, and Vietnam may be used.

See the section on AP & ACC courses for additional information.

148 *AP European History from 1450-1815 (Sr)*Semester 1 - .5 credit/Weighted**Prerequisite: Minimum grade of a B in both 136 & 137*

This is the first half of an introductory college-level European history course. Students will cultivate their understanding of European history through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like the interaction of Europe and the world, economic and commercial developments, cultural and intellectual developments, states and other institutions of power, social organization and development, national and European identity, and technological and scientific innovation.

See the section on AP & ACC courses for additional information.

149 *AP European History from 1815-Present (Sr)*Semester 2 - .5 credit/Weighted**Prerequisite: Minimum grade of a B in both 136 & 137*

This is the second half of an introductory college-level European history course. Students will cultivate their understanding of European history through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like the interaction of Europe and the world, economic and commercial developments, cultural and intellectual developments, states and other institutions of power, social organization and development, national and European identity, and technological and scientific innovation.

See the section on AP & ACC courses for additional information

152 Contemporary World Issues (Jr, Sr)*Semester - .5 credit**Prerequisite: none*

This elective course is designed to increase the students' awareness of current world problems. It is intended to help them interpret present-day universal issues and draw conclusions based on the information gathered from the study. This course will examine the following media: *Frontline episodes*, *Bridge of Spies*, and *Before the Flood*.

153 U.S. Government (Jr, Sr)*Semester - .5 credit**Prerequisite: none*

This elective course (required starting with the Class of 2030) introduces students to the foundational principles of government, constitutional development, and the structure and functions of the United States government at the national, state, and local levels. The course examines political ideologies, public

policy, civil liberties and rights, political participation, and the role of citizens in a democratic society. Students will engage in critical analysis of primary and secondary sources, current events, and case studies to develop an understanding of governmental processes and civic responsibility.

154 *Honors American Politics (Sr)

Semester - .5 credit/ Weighted

Prerequisite: Minimum grade of a B in 136 & 137

This elective course (required starting with the Class of 2030) focuses on the philosophical and institutional foundations of the American political system. Particularly, students will investigate the various roles that the Constitution, public opinion, political parties, campaigns and elections, interest groups, the media, and the various institutions of the federal government - the President, Congress, Judiciary, and the Bureaucracy - play in the development of federal public policy. This course will examine the following media: *Frontline episodes*.

182 Psychology (Jr, Sr)

Semester - .5 credit

Prerequisite: none

This elective course introduces students to the biopsychosocial (BPS) approach to psychology. Historical perspectives of psychology and theories of psychological growth and development, neuroscience and the brain, personality theories, and behavior disorders are discussed. The course will examine the films *Inception*, *Shutter Island*, and/or *Good Will Hunting*.

THEOLOGY

4 CREDITS REQUIRED

The United States Bishops have determined that there should be a core curriculum for Catholic high schools throughout the United States and have produced a document entitled *Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age*. Contained in this *Curriculum Framework* are the content and concepts that should form all high school religion programs: these include message (doctrine), community, worship and prayer, service, sacraments, scripture, tradition, morality, social justice, vocations, and evangelization.

Religious Education is meant to provide a developmentally appropriate, comprehensive, and systematic presentation of Catholic beliefs so that students will grow in their personal relationship with God, be knowledgeable about their Catholic faith, and integrate these beliefs and traditions into their personal lives. This religious instruction is also apologetical and is designed to help young people develop the necessary attitude, values, and skills to answer or address the real questions that they face in life.

	Freshman	Sophomore	Junior	Senior
Semester 1	Introduction to Scripture	The Mission of Jesus Christ	Catholic Morality	Catholic Lifestyles & Beliefs ACC God Talk
Semester 2	Who Is Jesus Christ?	Sacraments	Moral/Social Issues	Faith & Fantasy ACC New Testament

912 Intro to Scripture (Fr)

Semester 1 - .5 credit

Prerequisite: none

The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible, they will come to encounter the living Word of God, Jesus Christ. In the course, students will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. The students will pay particular attention to the Gospels, where they may grow to know Jesus.

914 Who is Jesus Christ? (Fr)

Semester 2 - .5 credit

Prerequisite: none

The purpose of this course is to introduce students to the mystery of Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity. In this course, students will 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.

922 The Mission of Jesus Christ (So)*Semester 1 - .5 credit**Prerequisite: none*

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 of study, 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. Students will learn that they share in the redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails.

924 Sacraments (So)*Semester 2 - .5 credit**Prerequisite: none*

The purpose of this course is to help students understand that they can encounter Christ in a full and real way in and through the sacraments. Students will examine each of the sacraments in detail to learn how they may encounter Christ throughout life.

932 Catholic Morality (Jr)*Semester 1 - .5 credit**Prerequisite: none*

This course deals with the study of Catholic Moral Principles, with the formation of conscience, and with greater development of moral decision-making skills through application to specific cases. Students are introduced to Theology of Body through videos, handouts, and the beginning of the *Humanunu Series*. Several areas of moral concern to youth in the 21st Century, such as law, life issues, sexuality, etc., will be discussed.

The movie, *Romeo*, is shown in connection with conscience.

933 Moral/Social Issues (Jr)*Semester 2 - .5 credit**Prerequisite: none*

This semester has two major concerns. The first deals with Catholic teaching about social justice, the Catholic Church's efforts toward achieving it, and what must be done to offset injustices in our world, such as discrimination, poverty, political oppression, etc. The second requires individual in-depth research of a particular issue and a major paper and/or project to challenge each student to apply moral/social principles in a problem-solving, decision-making context.

The movie, *Gandi*, is shown in connection with social justice in general.

942 Catholic Lifestyles & Beliefs (Sr)*Semester 1 - .5 credit**Prerequisite: none*

Catholic Lifestyles & Beliefs addresses the most basic questions of what is required to live as a Catholic Christian. The course will focus on Jesus as a model for the Christian life and will deal with a close study of different vocations, such as married life, ordained life, consecrated life, and vocational calls beyond those. In addition, the course will cover the basics of Catholic belief, including the existence of God, the Trinity, the importance of scripture, and the theology of the saints. Finally, the course will help students discern their own vocation, teach them how it affects them and the secular world around them, and how they can better live as Catholics in those vocations.

943 Faith & Fantasy (Sr)*Semester 2 - .5 credit**Prerequisite: none*

Faith & Fantasy is a course designed to help seniors find Christ in the secular world, as the secular world is what will mostly comprise their lives unless they choose to join a religious order. During this course, we will be approaching the secular world through film and will attempt to draw out the messianic themes and Christian symbolism within those films to better understand the story of Christ and what Christ's sacrifice truly means for us. We will conclude the class by watching *The Passion of the Christ* to solidify Christ's passion in the minds of the students before they graduate.

945 *ACC God Talk: Ultimate Questions in Theology (Sr) [SLU-THEO-1600]*Semester 1 - .5 credit/3 SLU Credit Hours/Weighted**Prerequisite: Recommendation from Theology Department. For ACC credit an unweighted GPA of 3.0 is required.*

This course centers around the genre of historical and autobiographical narrative as a way of getting at the ultimate questions at the heart of theology and religion. In dialogue with Jewish and Christian scripture, as well as classic and contemporary spiritual autobiographies written from within the Christian tradition and beyond, students will wrestle with the nature of faith; the nature, existence, and personhood of God; the nature and ends of creation and human life; evil and salvation, and other matters of ultimate concern. Through the medium of narrative, discourse aims to stimulate engagement with and reflection of the kinds of questions that matter most to the arc of human life.

See the section on AP & ACC courses for additional information.

947 *ACC New Testament (Sr) [SLU-THEO-2210]*Semester 2 - .5 credit/3 SLU Credit Hours/Weighted**Prerequisite: Recommendation from Theology Department. For ACC credit an unweighted GPA of 3.0 is required.*

Books of the New Testament, their formation as literary material, message, and meaning for the modern world, and transmission via the community.

See the section on AP & ACC courses for additional information.

WORLD LANGUAGE

2 CREDITS REQUIRED

212 French 1 (Fr, So, Jr)

Year - 1 credit

Prerequisite: none

This course provides a skill-based introduction to the French language and the French-speaking world through comprehensible input and interaction. Students will communicate in French in the interpretational, interpersonal, and presentational modes of communication. Students will participate in storytelling, reading, and communicative activities in French.

214 *Honors French 1 (Fr, So, Jr)

Year - 1 credit/Weighted

Prerequisite: Superior test scores in language arts and verbal ability

This course provides a skill-based introduction to the French language and the French-speaking world through comprehensible input and interaction. Students will communicate in French in the interpretational, interpersonal, and presentational modes of communication. Students will participate in storytelling, reading, and communicative activities in French. Students will communicate at the novice high level by the end of the year. Students who take this course should be motivated to improve their French skills and take an academically rigorous class.

252 Spanish 1 (Fr, So, Jr)

Year - 1 credit

Prerequisite: none

This course provides a skill-based introduction to the Spanish language and the Spanish-speaking world through comprehensible input and interaction. Students will communicate in Spanish in the interpretational, interpersonal, and presentational modes of communication. Students will participate in storytelling, reading, and communicative activities in Spanish.

254 *Honors Spanish 1 (Fr, So, Jr)

Year - 1 credit/Weighted

Prerequisite: Superior test scores in language arts and verbal ability

This course provides a skill-based introduction to the Spanish language and the Spanish-speaking world through comprehensible input and interaction. Students will communicate in Spanish in the interpretational, interpersonal, and presentational modes of communication. Students will participate in storytelling, reading, and communicative activities in Spanish. Students will communicate at the novice high level by the end of the year. Students who take this course should be motivated to improve their Spanish skills and take an academically rigorous class.

262 Spanish 2 (Fr, So, Jr, Sr)

Year - 1 credit

Prerequisite: Spanish 1 or Honors Spanish 1 and recommendation of World Languages Department

This course focuses on further developing spoken and written communication in Spanish at the high novice and low intermediate levels through comprehensible input and interaction. Students will communicate in Spanish in the interpretational, interpersonal, and presentational modes of

communication. Students will participate in storytelling, reading, and communicative activities in Spanish.

264 *Honors Spanish 2 (Fr, So, Jr, Sr)

Year - 1 credit/Weighted

Prerequisite: Spanish 1 or Honors Spanish 1 and recommendation of World Languages Department

This course is focused on further developing spoken and written communication in Spanish at the high novice and low intermediate levels through comprehensible input and interaction. Students will communicate in Spanish in the interpretational, interpersonal, and presentational modes of communication. Students will participate in storytelling, reading, and communicative activities in Spanish. Students who take this course should be motivated to improve their Spanish skills and take an academically rigorous class.

272 Spanish 3 (So, Jr, Sr)

Year - 1 credit

Prerequisite: Spanish 2 or Honors Spanish 2 and recommendation of World Languages Department

This course is focused on further developing spoken and written communication in Spanish at the intermediate level through comprehensible input and interaction. Students will communicate in Spanish in the interpretational, interpersonal, and presentational modes of communication through storytelling, cultural readings and discussions, and communicative activities. Presentations and short essays in Spanish.

276 *ACC Spanish 3 (So, Jr, Sr) [UMSL-Spanish-1001]

Year - 1 credit/5 UMSL Credit Hours/Weighted

Prerequisite: Spanish 2 or Honors Spanish 2 and recommendation of World Languages Department. For ACC credit an unweighted GPA of 3.0 is required for sophomores, and 2.5 is required for juniors and seniors.

This course focuses on further developing spoken and written communication in Spanish at the intermediate-low level through comprehensible input and interaction. Students will communicate in Spanish in the interpretational, interpersonal, and presentational modes of communication through storytelling, cultural readings and discussions, and communicative activities. Students who take this course should be motivated to improve their Spanish skills and take a college-level class. Students may obtain five college credits for the one-year course; however, participation in the ACC program is not required for students to earn honors credit in this course. Presentation and short essays in Spanish.

See the section on AP & ACC courses for additional information.

282 Spanish 4 (Jr, Sr)

Year - 1 credit

Prerequisite: Spanish 3 or ACC Spanish 3, and recommendation of World Languages Department

This course is focused on further developing spoken and written communication in Spanish at the intermediate level through comprehensible input and interaction. Students will communicate in Spanish in the interpretational, interpersonal, and presentational modes of communication through reading short novels; watching *El tiempo entre costuras*, a Spanish miniseries; studying Hispanic art; reviewing and exploring grammatical topics; and writing in Spanish. Presentation in Spanish and short essays will be required.

286 *ACC Spanish 4 (Jr, Sr) [UMSL-Spanish-1002]

Year - 1 credit/5 UMSL Credit Hours/Weighted

Prerequisite: ACC Spanish 3 and recommendation of World Languages Department. For ACC credit, an unweighted GPA of 2.5 is required.

This course is focused on further developing spoken and written communication in Spanish at the intermediate, low, and mid-levels through comprehensible input and interaction. Students will communicate in Spanish in the interpretational, interpersonal, and presentational modes of communication through reading short novels; watching *El tiempo entre costuras*, a Spanish miniseries; studying Hispanic art; reviewing and exploring grammatical topics; and writing in Spanish. Students who take this course should be motivated to improve their Spanish skills and take a college level class. Students may obtain five college credits for the one-year course; however, participation in the ACC program is not required for students to earn Honors credit in this course. Presentations and short essays in Spanish. Students will watch and discuss *El tiempo entre costuras* (edunovela.com version).

See the section on AP & ACC courses for additional information.

288 *ACC Spanish 5 (Sr) [UMSL-Spanish-2101]

Year - 1 credit/3 UMSL Credit Hours/Weighted

Prerequisite: ACC Spanish 4 and recommendation of World Languages Department. For ACC credit, an unweighted GPA of 2.5 is required.

This course focuses on further developing spoken and written communication in Spanish at the pre-advanced levels through comprehensible input and interaction. Students will communicate in Spanish in the interpretational, interpersonal, and presentational modes of communication through reading short novels, short stories, and poetry; reviewing and exploring grammatical topics, speaking in class and discussion; and writing in Spanish. Students who take this course should be motivated to improve their Spanish skills and take a college-level class. Students may obtain three college credits for the one-year course; however, participation in the ACC program is not required to earn honors credit in this course.

Read a novel chosen by the class with teacher approval. Movies include: *No, También la lluvia, y La Misma luna..*

See the section on AP & ACC courses for additional information.

DUCESNE SCHOLARS ACADEMY



The Scholars Academy curriculum is driven by student curiosity. As students progress through the Scholars Academy, they will gain increasing control over their education. See page 6 for more information.

Freshman Year: Freshmen will take *A History of Ideas*, a course devoted to the philosophy and history of science.

Sophomore Year: Sophomores will pursue STEM activities in a project-based learning environment. This course will focus on the science, mathematics, and engineering necessary for solving problems, as well as the design concerns that develop around presenting solutions.

Junior Year: Juniors will take an inquiry-based humanities course, in which the instructor and students collaborate to design the syllabus. Students will have a voice in the questions the class will address and the texts – ranging from literature, to works of art, to philosophical arguments - that they will study.

Senior Year: Seniors will create a capstone project, a high school version of a university-level thesis. The capstone project will build on concepts from prior courses. Students might highlight the philosophical outlook of an author they encountered in their humanities class, or market an amusement park for the roller coasters they designed in the STEM Lab. In executing their ideas, students will encounter numerous decision points, encouraging growth and learning through trial and error.

SA112 *A History of Ideas (Fr.)*Year - 1 credit/Weighted**Prerequisite: Acceptance into the Duchesne Scholars Academy*

The driving force behind this course can be found in its name; it examines human history through the lenses of its biggest ideas. It takes as its inspiration the early philosophers, who loved knowledge in all of its forms. And in many ways, the course sits at the intersection of the sciences and the humanities. What does it mean to be a human? That is a question with answers in obvious places, like biology and theology, but also in physics, literature, history, psychology, and numerous other disciplines. The course also looks at how one idea can shape the ideas that follow. Students will gain an appreciation that we are standing on the shoulders of giants. Not only can we see for a greater distance than those giants ever did, but we can help those who follow us see even farther still.

SA121 *STEM Lab (So.)*Semester - .5 credit/Weighted**Prerequisite: Continuance in the Duchesne Scholars Academy*

As the title suggests, the STEM Lab is a course designed to develop and integrate a student's skills in science, technology, engineering, and mathematics. Over the course of the semester, students will work collaboratively to imagine, design, and build solutions to problems set forth in the curriculum. Assessments will primarily focus on the completion and presentation of these solutions.

SA131 *Inquiry-Based Humanities (Jr.)*Semester 2 - .5 credit/Weighted**Prerequisite: Continuance in the Duchesne Scholars Academy*

The term *humanities* serves as a catchall for a broad range of disciplines that seek to answer the seemingly simple question: What does it mean to be human? Disciplines that fall under the humanities umbrella include, but are not limited to, art history, philosophy, theology, music history, psychology, and literature. These disciplines address some of our most pressing questions in an attempt to provide a deeper understanding of humanity. Some of these questions address the importance of love, the strength and influence of God, the creation and relevance of the rule of law, and the rise of and threats to human rights. The Scholars Academy Humanities course is designed to give students a principal stake in how the class addresses such questions. The students will work democratically with the instructors to develop a unique syllabus that includes topics, assignments, and evaluations.

SA141 *Senior Capstone Project (Sr.)*Semester 1 - .5 credit/Weighted**Prerequisite: Continuance in the Duchesne Scholars Academy*

The Capstone Project provides Seniors in the Scholars Academy with an opportunity to pursue individual academic interests. That pursuit allows students to fully realize the core principle of the Academy's mission—the fostering of student curiosity through student-driven curriculum. Students will begin the course by asking a research question. They will then identify the resources needed to answer the question, including the selection of a mentor teacher. Once the mentor teacher is selected, students will work with that instructor and the dean of the Scholars Academy to envision a final project that provides an answer to the student's question. An outline and a series of deadlines will then be set in place so that the students will be able to complete the projects to the best of their abilities. Finally, students will defend their projects to a faculty panel. Projects will be due at the end of the first semester. Project defenses will happen at the beginning of the second semester. Please note: grades for the first semester class will only be assigned after the students defend their projects in the second semester.

