



## PROGRAM OF STUDIES 2022-2023

### GRADUATION REQUIREMENTS

#### Courses

Theology	4 Units
Computer Science	1 Unit
English	4 Units
Fine Arts	1 Unit
Health & Physical Education	1.25 Units
Mathematics	3 Units
Science	3 Units
Social Studies	3 Units
World Languages	2 Units
Electives	4 Units
 Total Credits Required	 26.25 Units

**Counseling**                      Jump Start

**Campus Ministry**    1 school-sponsored retreat per year  
                                 Campus Ministry Conversations Jr & Sr Year

#### Service Learning Program

Freshmen	15 hours of service
Sophomores	20 hours of service
Juniors	25 hours of service
Seniors	30 hours of service

### REGISTRATION TIMELINE 2022

- January 20.....Freshman meeting with Dr. Howard regarding new courses.
- January 21 .....Sophomore & Junior meeting with Dr. Howard regarding new courses.
- Jan 20-Feb 18.....Required meeting with a counselor/learning consultant to discuss course selection options and the student's four-year plan.
  
- NO STUDENT WILL BE ALLOWED TO REGISTER IF SHE HAS NOT COMPLETED HER MEETING WITH A COUNSELOR/LEARNING SPECIALIST.**
  
- Feb 18-Feb 21....Online course requests through PowerSchool completed by students. Summer school course registration will happen online via Google Form.
- March 1.....Registration fee and deposit for 2022-2023 school year due. Course selection requests will not be processed until registration fee and deposit are paid in full and information updates have been completed in PowerSchool and Magnus.
- July.....Students receive schedules. Online bookstore is available.

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## REMINDERS

One credit is given for full-year courses, .5 credits for semester courses, and .25 credits for quarter courses.

All students must carry a minimum of 6.0 credits per academic year, exclusive of P.E. activity courses and summer classes.

Not all courses are scheduled every year. Availability of some electives depend on student preferences and teacher availability.

Student requests for preferred teachers will not be accepted.

If a student fails a required course, she must retake that course in summer school or online. She may not retake the course at Nerinx, with exception of math (please see below). The principal and department chair must approve all recovery courses.

If a student fails the first semester of a math course but passes 2<sup>nd</sup> semester with a C+ or better, a full year of credit will be awarded.

## CHANGE OF SCHEDULE POLICY

Please note:

- Requests for withdrawal may be made only in the first five days of each semester. A \$50 fee for change of schedule will be billed.
- Students may not register for a new class after the 2<sup>nd</sup> week of each semester.
- Students may not drop the second semester of a yearlong course.

Requests for schedule changes will be considered upon submission of:

- Written permission from parents on Change of Schedule form procured from the Counseling Department.
- Consultation with and signature of faculty member from whose class the student is withdrawing and/or enrolling and department chair.
- Final approval for any withdrawal will be made by the principal.

## THEOLOGY

The Theology program at Nerinx Hall intends to help students know themselves and their world as well as to cultivate their Christian faith. The four-year Theology curriculum follows the recommendations by the U.S. Catholic Bishops for Catholic high schools. In addition to the required courses for the four years, there are various electives offered on the senior level. Students are required to take a full unit (one full year) of Theology each of their four years, providing them with a comprehensive study. In addition to academic studies, the Theology program at Nerinx works in conjunction with the Campus Ministry and Service Learning programs offering students opportunities to put their faith into action.

### COURSE SEQUENCE

- 1st Year: Patterns of Revelation
- 2nd Year: Meeting Christ In Word and Deed
- 3rd Year: I semester of Foundations of Christian Morality  
I semester of Sacraments, Encounters with Christ
- 4th Year: I semester of Christian Life Commitments  
I semester Elective

#### TH700 PATTERNS OF REVELATION

**Required | Freshmen** **Yearlong Course | 1 Unit**

This introductory course to the Theology program at Nerinx begins with a brief study of the patterns of self-discovery, which naturally take place during the adolescent years. Students acquire self-knowledge and moral decision-making skills through the study of self-concept, personality, sexuality, friendship, family, and community. Students also gain an understanding of Nerinx history, and the tradition and the philosophy of the school's founders, the Sisters of Loretto. This course is intended to help engage students to become a part of the Nerinx community. The majority of the course focuses on the Bible, introducing the Old Testament with a particular focus on Jesus Christ as the fulfillment of salvation history. The last part of the course presents Christology with a strong scriptural foundation.

#### TH702 MEETING CHRIST IN WORD AND DEED

**Required | Sophomores** **Yearlong Course | 1 Unit**

In this second foundational theology course, students continue to explore both sacred scripture and tradition. In this course, students will focus on the goodness of creation, original sin, and the promise of the Messiah. Students explore the mystery and glory of the suffering, death and resurrection of Jesus Christ and learn how this paschal mystery informs daily life. In the second part of the course students will explore the origin, the human and divine elements, and the ongoing mission of the Church. Additionally, the students explore the Church's efforts to gather all into the People of God through the ecumenical movement and interreligious dialogue.

#### TH705 SACRAMENTS, ENCOUNTERS WITH CHRIST

**Required | Juniors** **Semester Course | .50 Units**

This course provides students the opportunity to encounter Christ fully and in a concrete way. The focus of this course is to help the students to learn about the seven Sacraments of the Church, especially the Eucharist, the central sacrament of belonging.

The course also explores the history, scriptural foundation and current practices of the sacraments in order to enable them to more fully participate in them. It helps students to examine what it means to be a person of faith and a member of the Catholic community in the twenty-first century. In addition, students are invited to incorporate Loretto values into their lives and future journeys as Loretto women.

#### TH707 FOUNDATIONS OF CHRISTIAN MORALITY

**Required | Juniors** **Semester Course | .50 Units**

Students will examine moral decision-making, moral development, conscience, and social justice. Christian moral principles are taught as ethical guides while contemporary cultural values are compared with gospel values. Students are challenged to explore their personal moral codes amidst moral dilemmas, weighing choice in terms of Christian ideals. Lastly, students are challenged to apply these principles and ideals to be true to their best selves today and in the future. During this course, students participate in an all-day service immersion, introducing them to both the call to social justice and to hands-on opportunities for service.

#### TH708 CHRISTIAN LIFE COMMITMENTS

**Required | Seniors** **Semester Course | .50 Units**

Christian Life Commitments (CLO) is the capstone Theology course at Nerinx, focusing on personal journey and lived faith, particularly living the tenants of Catholic Social Teaching. Much of the class is spent on student reflection regarding their spiritual growth since childhood and the Christian adult life into which they are entering. Topics are explored through the lens of the four Loretto values of Faith, Community, Justice, and Respect and include themes such as belief and religion, vocation, chosen relationships, communication, diversity, and social justice.

## SENIOR ELECTIVES

### *TH812* DEATH, SUFFERING, AND HEALING

**Elective | Seniors** **Semester Course | .50 Units**

In this course students confront the themes of death, suffering, grief and healing. They learn that various difficult events can also lead to a deeper understanding of faith and personal growth. In this course, students will study the religious, emotional and cultural aspects of death, suffering, and healing in order to gain a deeper understanding of these from a faith perspective and to further grow as a healer.

### *TH816* WORLD RELIGIONS

**Elective | Seniors** **Semester Course | .50 Units**

The purpose of this course is to help students understand how the Catholic Church relates to non-Catholic Christians as well as to other religions of the world. Building on the foundation that Jesus Christ is the fullness of God's Revelation, the course will help students to recognize important spiritual truths found in the variety of Christian churches as well as in non-Christian religions. It is also intended to help them to recognize the ways in which other systems of belief and practice differ from the Catholic faith. Students may take this class for UMSL ACP credit.

### *TH820* LORETTO IN THE WORLD

**Elective | Seniors** **Semester Course | .50 Units**

This course aims to provide an introduction to the ways in which the Sisters of Loretto have made an impact on our world. Covering a wide period of time from the very beginnings to Loretto today, it seeks to show how the basic charism of the Sisters of Loretto can inspire action and enrich our faith. In the first half of the semester, we will examine the history of the religious order from its founding and spread across the country and ultimately the world. In the second half we will look deeply at Catholic Social Teaching and how the Loretto charism and way of life leads us to a deeper relationship with Christ and how we can be Christ to others.

### *TH821* WOMEN IN THE CHURCH

**Elective | Seniors** **Semester Course | .50 Units**

This course seeks to give students an overview of role of women in the Catholic Church. We will begin our course with a study of the role of women in the Early Church. Such an exploration will involve an analysis of the socioeconomic climate in which the Church came into being as well as theological and social issues facing early Christians, particularly women. After this background, the course will move into the mission of Paul and the Apostles and their effect on the expansion of the Church and the importance of women during this time. Following this, we will continue our study into early Christian monasticism and the emergence of a cult of the saints and a liturgical year. We will then move to weaving through Church history until the modern era – focusing on major female figures and the theological importance the feminine face of God played as the Church grew and developed. During this portion of the course, we will also spend time examining major male theological figures and particular ways they influenced the roles of women in the Catholic world– such as St. Augustine, St. Clement of Rome, Tertullian, St. Thomas Aquinas, etc. We will end our study with discussion about the identity of the modern Catholic woman and issues she faces. Throughout the course, students will be exposed to feminist theology and female scholars as much as possible.

### *TH740H* THEOLOGICAL FOUNDATIONS HONORS

**Elective | Seniors** **Semester Course | .50 Units**

This course seeks to educate students in a critical discourse with human experience, biblical origins, historical foundations, and developments within the Christian tradition. It provides opportunity for enrichment through creative questioning, awareness of Christian cultures, and access to other cultural and religious contexts through comparative study. Students review Hebrew and Christian scriptures with an emphasis on important texts and theological issues. Students explore how historical and literary criticism help in understanding fundamental theological concepts such as God, revelation, faith, creation, covenant, and salvation history. Students may take this course for St. Louis University 1818 credit.

## BUSINESS & MEDIA

The modern business world is vast and requires a number of specific and general skill sets. The Business and Media courses offered at Nerinx provide opportunities for students to expand their knowledge of accounting, marketing, management, personal finance, technology, video production, broadcasting, and public speaking. This department aims to educate students in various areas of communication and to prepare them for professions in this constantly evolving world. All Business and Media courses at Nerinx count as electives.

### **BC402 ACCOUNTING**

**Elective | Sophomores-Seniors Semester Course | .50 Units**

This is an introductory accounting course that would be great initial exposure for those considering majoring in business. The course focuses on corporate accounting, specifically, T-accounts, worksheets, closing entries and depreciation among other relevant topics. A basic calculator is not required but highly recommended.

### **BC403 MARKETING**

**Elective | Juniors & Seniors Semester Course | .50 Units**

This basic Marketing course will develop the student's understanding of how the marketing process fits into overall business operations. Marketing includes all activities from product development through final consumption so many aspects of how businesses operate are discussed. There are numerous projects and opportunities to experience marketing outside of the classroom.

### **BC406 PERSONAL FINANCE**

**Elective | Sophomores-Seniors Semester Course | .50 Units**

This course is for students who want to learn more about personal finance and how to better manage their resources. The topics include purchasing/leasing cars, home acquisitions, investing and retirement planning, budgeting, credit and insurance

### **EL1012 BROADCAST MEDIA**

**Elective | Sophomores-Seniors Yearlong Course | .50 Units**  
(Homeroom)

NERX-TV provides a platform to keep members of the Nerinx community connected and informed. All participating students collaborate to produce and broadcast this daily program while learning the basic technical aspects of broadcast media. Additionally, this class explores and teaches various communication skills through such projects as live presentations, interactive spots, and video promotions. This class meets all year, every day (excluding irregular homeroom periods) and is comprised of ten minutes before the homeroom bell until the end of homeroom. Student must fill out the required application in order to be considered for this class.

### **EL1051 NARRATIVE VIDEO PRODUCTION I**

**Elective | Juniors & Seniors Semester Course | .50 Units**

In this course, students experience all aspects of video production—pre-production, production, and post-production—as well as basic narrative storytelling strategies. They begin by watching and discussing short films and learning camera skills. Students then experience the following: pre-production skills of brainstorming, screenwriting, storyboarding; the production skills of directing, lighting, sound, and shooting; and the post-production skills of editing and sound mixing. Final assessments will involve the completion of two short films: the first a 3-6 minute short completed individually and the second a 5-10 minute film of their choosing in small groups. Students will meet as a scheduled class during the first quarter and meet as individuals or a group on 4 separate occasions during the second quarter.

### **EL1053 VIDEO PRODUCTION II (PORTFOLIO)**

**Elective | Seniors Semester Course | .50 Units**

**Prerequisites | Narrative Video Production I or Media Center Coordinator Signature Required**

This course is for rising seniors who have taken Video Production as juniors and who plan to attend film school or major in media production. This class meets in the fall semester during the same period as Video Production, but coursework will differ from the beginning curriculum. Instead, students will build upon their basic skills and increase their knowledge of video equipment, the production process, and narrative development. Students in Video Production II will help to supervise and shoot our class film, produce individual films for their college admissions materials, and direct fellow students in the completion of a group short.

**EL1055 DOCUMENTARY FILMMAKING****Elective | Juniors & Seniors**                      **Semester Course | .50 Units**

Only offered Spring Semester of 2022-2023 School Year

Documentary film focuses the lens on truth and reflects our world back at us. In this course, students will view documentaries on a variety of social, cultural, historical, and environmental topics and analyze the methods used to inform, persuade, and affect the audience. This course will also include basic instruction related to professional audiovisual equipment, cinematography, sound recording, and editing. Armed with theoretical knowledge and technical skills, students will create two documentary shorts: the first a 3-5 minute personal documentary and the second a 10-15 minute group documentary on a real world issue of their choosing.

**EL1056 COMMERCIAL MEDIA PRODUCTION****Elective | Juniors & Seniors**                      **Semester Course | .50 Units**

Only offered Spring Semester of 2023-2024 School Year

Visual content has become the most common way we disseminate and collect information. Whether the goal is to persuade, inform, or entertain, the message usually comes in a short video. To achieve a professional-looking final product, creators engage in a rigorous, in-depth production process far beyond pointing an iPhone or hitting record on a webcam. In this course, students will learn the art and technical knowledge that goes into producing promotions, advertisements, and informational videos. They will study common methods used in commercials and learn how to visually persuade and inform. The class will also include tutorials on audiovisual equipment, cinematography, sound recording, and editing. To showcase their skills, they will create a variety of promotional videos for different events and departments on campus.

## COMPUTER SCIENCE

The Computer Science curriculum at Nerinx Hall is designed to give our students a well-rounded introduction to established and emerging technologies. Students are provided with tools necessary to solve real-world problems using technology in the required courses. They have the opportunity to further explore a wide range of computer science concepts through our electives. The curriculum is designed to prepare students for Computer Science and technology related programs in college and beyond. Introduction to Computer Science and one elective are required.

### CS102 INTRODUCTION TO COMPUTER SCIENCE

**Required | Freshmen Semester Course | .50 Units**

This course introduces students to the fundamentals of computer programming in preparation for more advanced courses. The course covers topics such as computer hardware, 3D printing with computer-aided design (CAD), and basic programming concepts. The JavaScript programming language will be used to teach coding concepts such as program design, variables, functions, relational operators, and conditional statements in a mobile app lab environment.

### CS201 ARTIFICIAL INTELLIGENCE

**Required | Sophomore-Seniors Semester Course | .50 Units**  
**Prerequisite | Introduction to Computer Science**

This course explores the world of Artificial Intelligence (AI), its key technologies, and the concerns guiding its use. Students model machine learning algorithms using the Python programming language, and design intelligent agents to solve real-world problems. Topics include natural language processing, image processing, deep neural networks, sentiment analysis, computation thinking, and predictive analytics. Students leave this course having gained an understanding of how AI can help us make better decisions and build "smarter" technology.

### CS202 CYBERSECURITY

**Elective | Sophomores-Seniors Semester Course | .50 Units**  
**Prerequisite | Introduction to Computer Science**

This course introduces students to foundational cybersecurity topics including digital citizenship and cybersecurity best practices, cryptography, software security, and networking fundamentals. Students will participate in simulated cyber attacks on safe sites in order to learn how to mitigate cyber attacks, and will complete a culminating course project where they will complete a simulated hack walkthrough. Students will also become aware of possible career options in cybersecurity.

### CS203 INTRODUCTION TO ROBOTICS & ENGINEERING

**Elective | Sophomores-Seniors Semester Course | .50 Units**  
**Prerequisite | Introduction to Computer Science**

This course will allow students to engineer with a 3D printer and Tetrax robotics parts. Students will use CAD (computer-aided design) software to design objects for the 3D printers. Students will be introduced to the basics of robot design, including batteries, motors, gears, and structures. They will design, build and compete with a joystick-controlled robot. Students will then add an Arduino board and convert their robot to an autonomous code-controlled machine.

### CS204 ADVANCED ROBOTICS & ENGINEERING

**Elective | Sophomores-Seniors Semester Course | .50 Units**  
**Prerequisite | Introduction to Computer Science and Introduction to Robotics. Department approval**

This course will expand upon all of the concepts learned in Introduction to Robotics & Engineering, including more advanced power tools, wiring, pneumatics, electricity, controllers, motors, and voltage regulators. More advanced designs and more complex robots will be explored. Students will team build and operate a robot comparable to FRC competition robots. This course will also support the robotics club.

### CS205 GAME PROGRAMMING AND VIRTUAL REALITY

**Elective | Sophomores-Seniors Semester Course | .50 Units**  
**Prerequisite | Introduction to Computer Science**

This course teaches the foundations of creating video games with an emphasis on helping students develop logical thinking and problem-solving skills. Students will also learn the basics of building virtual reality worlds using HTML and the A-Frame JavaScript Library. Students will build their own virtual reality worlds that are compatible with VR devices, including smartphone VR headsets.

### CS301 AP COMPUTER SCIENCE PRINCIPLES HONORS

**Elective | Sophomores-Seniors Semester Course | 1 Units**  
**Prerequisite | Introduction to Computer Science**

Computer Science Principles is a rigorous introduction to Computer Science designed around the AP Computer Science Principles framework. Using the AP CSP curriculum on Code.org, students begin with number systems and bits but quickly move on to networks and the flow of digital information. Students make their own mini apps in the Code.org app lab environment, stressing design, code and debugging as they learn about variables, conditional statements, function and loops. Students explore big data and the global impact of digital technology as the final topic of the course. Students will engage in projects to learn and practice the skills and content they need to know in order to succeed on the AP CSP Performance Tasks following Code.org approved AP curriculum. Students are required to take the Advanced Placement exam that is administered in May. Students will be assessed the fee set by the College Board. The estimated fee is \$95.

## ENGLISH

In English classes, all students are encouraged to develop skills in reading, writing, critical thinking, research, presentation, and discussion. Students are required to take four years of English classes that include composition and literature. Senior electives include areas of study such as Literature, Film, Mythology, Composition, Journalism, Gender Studies, and Non-Fiction.

### COURSE SEQUENCE

1st Year: Introduction to Composition A or Introduction to Composition B; Introduction to Literary Studies

2nd Year: Sophomore English or Sophomore English Honors

3rd Year: US Literature or US Literature Honors or US Lit Honors Interdisc

4th Year: AP English Literature Honors; College and Creative Writing; Make your Mark: Advanced Research, Action, and Presentation Honors; Film Studies: Critical Viewing; Introduction to Gender Studies; Introduction to Journalism; Senior Writing Honors; Women in Film and Fiction; Women in Film and Fictions Honors; Social Justice and Genre Fiction Honors; World Mythology

#### **EN006 INTRODUCTION TO COMPOSITION A**

**Required | Freshmen Semester Course | .50 Units**

This course will develop skills in the use of written language and the organization of material for written presentation. Students are given extensive grammar instruction and use the writing process. Students experiment with language, oral and written, and its use in formal composition. Students also read literature for literary analysis.

#### **EN106 INTRODUCTION TO COMPOSITION B**

**Required | Freshmen Semester Course | .50 Units**

This course will practice skills in the use of written language and the organization of material for written process. Students experiment with oral and written language and different modes of composition. Students also read literature for introductory literary analysis.

#### **EN132 INTRODUCTION TO LITERARY STUDIES**

**Required | Freshmen Semester Course | .50 Units**

This course explores various genres of short fiction and verse as well as the introductory terms of literary analysis. Students will read and write short stories, poems, and one-act plays and become familiar with the structure and themes of these genres. Students will also have the chance to write both creatively and analytically.

#### **EN007 SOPHOMORE ENGLISH**

**Required | Sophomores Yearlong Course | 1 Unit**

Sophomore English is designed to increase student skills in critical thinking, close reading, analytical writing, and public speaking. In the fall, students will practice foundational literary analysis skills and complete various writing assignments and projects. During second semester, students will focus on writing expository essays, including a fully documented research paper. Additionally, students will learn to research, organize, and write effective speeches. Students must successfully complete the second semester research project in order to earn credit for the second semester of this course.

#### **EN008H SOPHOMORE ENGLISH HONORS**

**Required | Sophomores Yearlong Course | 1 Unit**

**Prerequisites | 95% or higher in Intro to Comp A; Cumulative GPA of 3.75; qualifying score on writing sample**

Sophomore English Honors will hone skills in critical thinking, close reading, analytic writing, and public speaking. In the fall, students will sharpen literary analysis skills by practicing the critical interpretation required in upper-level English coursework. Students will practice written literary analysis in both formative and summative assignments. In the spring, writing assignments, speeches, and projects will focus on audience and purpose, the key components of advanced composition. Students will write a fully-documented, argumentative research paper that synthesizes primary and secondary sources of different media. As part of the research process, students will evaluate the credibility and usefulness of sources, utilize library resources, and develop an original argument about their selected topic. Students must successfully complete the research paper in order to earn credit for the second semester of the course.

#### **EN010 US LITERATURE**

**Required | Juniors Yearlong Course | 1 Unit**

This course is a chronological survey of United States literature from native tribal mythology and legends to post-modern literature. Students will read widely from American writers and discuss and interpret these works in class discussion, writing assignments, and creative projects.

#### **EN190H INTERDISCIPLINARY US LITERATURE HONORS**

**Elective | Juniors Yearlong Course | 1 Unit (Fulfills U.S. Literature requirement)**

**Prerequisites | 95% or higher for first semester of Sophomore English; cumulative GPA of 3.75 after 5 semesters; qualifying score on writing sample; teacher recommendation. Approval from both English and Social Studies Departments is required.**

This course is designed for the student who has demonstrated high academic achievement and offers a chronological survey of United States literature from native tribal mythology and legends to post-modern literature. Students will read widely from American writers and discuss and interpret these works using critical interpretation and class discussion along with written literary analysis. Each era addresses history and literature in tandem. Students may take this course for Saint Louis University 1818 credit.

**EN191H US LITERATURE HONORS**

**Elective | Juniors** **Yearlong Course | 1 Unit**  
**(Fulfills U.S. Literature requirement)**

**Prerequisites | 95% or higher for first semester of Sophomore English; cumulative GPA of 3.75 after 5 semesters; qualifying score on writing sample; teacher recommendation.**

This course offers a more rigorous level of study of U.S. Literature. Students will read U.S. writers of various genres. Analysis, critical interpretation, and class discussion along with written literary analysis and creative projects will all be used for assessment. Students may take this course for Saint Louis University 1818 credit.

Please note: This course will be offered only if registration requests warrant it.

**EN242 COLLEGE AND CREATIVE WRITING**

**Elective | Seniors** **Semester Course | .5 Units**

This fall semester course will review various modes of academic and creative writing covered throughout students' last three years at Nerinx. This will include composing personal essays, analytical pieces, fiction, and poetry as well as brushing up on the research process. All sections will begin the course with developing a polished college application essay and then move on to other expository and creative writing projects

**EN143H MAKE YOUR MARK: ADVANCED RESEARCH, ACTION, AND PRESENTATION HONORS**

**Elective | Seniors** **Semester Course | .50 Units**

**Prerequisites | 95% or higher in US Literature or 90% or higher in US Lit Honors or US Literature Honors Interdisc after semester one; Cumulative GPA of 3.75; Teacher Recommendation**

This course is designed for students who wish to challenge their Language Arts skills with an emphasis on research and presentation. Throughout the semester, students will utilize interdisciplinary research and communication skills to promote positive change. Students will identify an issue, synthesize thoughtfully to diverse perspectives, and implement an improvement plan. Students will present their findings in a professional presentation using digital/interactive media (textual, graphical, audio, and visual). In this course, self-discipline, strong organizational skills, and time management will lead to the successful completion of a student-driven, project-based learning experience.

**EN096H AP ENGLISH LITERATURE (HONORS)**

**Elective | Seniors** **Semester Course | .50 Units**

**Prerequisites | 95% or higher in US Lit or 90% or higher in US Lit Honors first semester; 3.75 or higher cumulative GPA for seven semesters; teacher recommendation**

Students eager for college-level reading and writing, with an emphasis on independent thinking and critical analysis, will enjoy this course. We examine all genres by noted writers, including Shakespeare. Students develop college-level writing skills, read critical essays, and practice advanced placement essay responses. Students are required to take the Advanced Placement exam that is administered in May. Students will be assessed the fee set by the College Board. The estimated fee is \$95. Students may take this course for Saint Louis University 1818 credit.

**EN133 FILM STUDIES: CRITICAL VIEWING**

**Elective | Seniors** **Semester Course | .50 Units**

The study of film hones students' ability to focus critically on what they see and hear as it flows from the screen and into their eyes and ears. Students will view multiple films from a variety of genres and time periods, learn new film vocabulary, and exercise their thinking and writing skills to display their understanding of new material and concepts. Assessments will include evaluative review, creative projects, presentations, and formal papers.

**EN130 INTRODUCTION TO GENDER STUDIES**

**Elective | Seniors** **Semester Course | .50 Units**

**Prerequisites | 95% or higher in US Lit or 90% or higher in US Lit Honors first semester; 3.75 or higher cumulative GPA for seven semesters; teacher recommendation**

This is an introductory course in Gender Studies. We will explore and discuss a variety of issues using gender as a category of analysis. Among the topics we will cover are issues in feminism, relationships, the media, childhood, and work in the private and public domain. One of the main objectives of the course is to develop habits of critical thinking and writing. Students may take this course for UMSL ACP credit.

**EN238 INTRODUCTION TO JOURNALISM**

**Elective | Seniors** **Semester Course | .50 Units**

This course seeks to examine the history of journalism in the U.S. as well as to explore the changing nature of the field. It will focus on crafting journalistic writing that begins with developing story ideas and then coherently following them through on both an ethical and a critical level. The course serves as an introduction to the basic elements of journalism, emphasizing the development of reporting, interviewing and writing for print, mastery of the Associated Press style, and an introduction to such issues as objectivity, critical thinking, and libel concerns. There will be tests, several short writing assignments, and a final project.

**EN120H SENIOR WRITING (HONORS)**

**Elective | Seniors** **Semester Course | .50 Units**

**Prerequisites | 95% or higher in US Lit or 90% or higher in US Lit Honors first semester; 3.75 or higher cumulative GPA for seven semesters; teacher recommendation**

This course will introduce students to, and help them develop, the rhetorical strategies necessary for writing persuasively in academic, professional, and public settings. Students will pursue a series of reading, research, and writing activities that help them understand the multi-layered and ongoing nature of the writing process. Students will also conduct an inquiry project within the local community. Students may take this course for St. Louis University 1818 credit.

**EN142H SOCIAL JUSTICE AND GENRE FICTION (HONORS)**

**Elective | Seniors** **Semester Course | .50 Units**

**Prerequisites | 95% or higher in US Lit or 90% or higher in US Lit Honors first semester; 3.75 or higher cumulative GPA for seven semesters; teacher recommendation.**

In this course, students will consider how fiction engages with the central debates and social issues of its time. The rigorous course of reading includes classic and contemporary writers of science fiction, fantasy, and other exemplars of speculative fiction. Students may expect college-level discussions about literary technique, historical context, and other elements of literary analysis, applying the ideas from the literature to contemporary and local issues. The major goal of the course is to explore how fiction works toward (as well as against) social justice and human progress. Students will develop higher-level skills in analysis, academic writing, and scholarly research. Students may take this course Saint Louis University 1818 credit.

**EN036 WOMEN IN FILM & FICTION**

**Elective | Seniors** **Semester Course | .50 Units**

This course is for readers who are also film lovers. Through discussion and writing, students compare literary heroines to their film versions. This class is oriented towards the understanding of narrative in both literature and film, including basic film grammar and history. Assessment includes writing assignments such as film reviews, literary analysis, and comparison/contrast of the two art forms.

**EN037H WOMEN IN FILM & FICTION (HONORS)****Elective | Seniors****Semester Course | .50 Units****Prerequisites | 95% or higher in US Lit or 90% or higher in US Lit Honors first semester; 3.75 or higher cumulative GPA for seven semesters; teacher recommendation**

This is a one semester senior English course in which students read novels and then view, study, and compare the films derived from them.

This class is oriented towards the understanding of narrative in both literature and film, including film grammar and history. Additional novels and films along with corresponding writing assignments add to the rigor of this course. Students may take this course for Saint Louis University

1818 credit.

**EN241 WORLD MYTHOLOGY****Elective | Seniors****Semester Course | .50 Units**

In this course, students will examine myths from diverse cultures around the world. Through reading, discussion, and written responses, students will explore the patterns that have driven humanity since the Ancients. By studying mythology, we will discover that we are actually studying ourselves.

## FINE ARTS

The Sisters of Loretto are strong supporters of the arts in education, and the history of the Fine Arts program at Nerinx Hall is a testament to this legacy. The purpose of Nerinx Hall's Fine Arts curriculum is to develop the skills of young artists and performers, as well as offer all students an opportunity to participate in diverse art experiences to develop their abilities to interpret and think critically.

Multiple research studies indicate that an arts education rewires the brain in positive ways, and that the integration of the arts improves student achievement. Fine Arts courses enhance self-expression, develop a personal aesthetic, and encourage greater appreciation and understanding of the arts in our culture.

### COURSE SEQUENCE

1st Year: Art Fundamentals, Introduction to Music Technology and Creativity, Introduction to Theatre, Introduction to Dance, or Introduction to Technical Theatre. With special permission, Freshmen may test into higher level performance classes, replacing the freshman requirement with the higher-level course. Freshmen may also choose additional Fine Arts electives, if their schedule allows.

2nd – 3rd Years: Students are not required to take fine arts courses, but have many elective options (see Art, Music, Theatre, and Dance electives below)

4th Year: Humanities, Humanities Honors, or Summer Humanities

Please note: Honors Humanities, Drawing I, and Advanced Drawing may be taken for Saint Louis University 1818 college credit. In addition to the Honors course offerings, AP Studio Art: 2-D Design Honors, AP Studio Art: 3-D Design Honors, AP Art History Honors, AP Drawing Honors and AP Music Theory receive honors credit.

#### **FA800 ART FUNDAMENTALS**

**Elective | Freshmen**

**Semester Course | .50 Units**

This is an introductory course emphasizing art-making, art appreciation, and aesthetics through hands-on projects. Students will develop basic skills in drawing, painting, and ceramics. They will gain confidence in themselves as artists and learn what it means to be members of an artistic community. This course meets the freshman Fine Arts requirement.

#### **FA802 INTRODUCTION TO THEATRE**

**Elective | Freshmen**

**Semester Course | .50 Units**

The Introduction to Theatre class is designed to introduce students to the art of theatre performance through various presentations, creativity exercises, and theatrical games and explorations. Students will be introduced to such theatre aspects as monologues, pantomime, vocal projection, improvisation, scene work, movement and more. Special emphasis is given to character analysis and the ability to become a successful storyteller.

#### **FA830 INTRO TO MUSIC TECHNOLOGY AND CREATIVITY**

**Elective | Freshmen-Seniors**

**Semester Course | .50 Units**

In order to better understand the role of music in society, and in order to better understand how to express musical ideas, students with any level of musical background are invited to work hands-on with the means at their disposal, including Garage Band, and other audio/video applications to create and perform musical works. Projects offer opportunities for student-collaboration as well as individual self-guided work. Example projects could include creating original soundtracks for silent movies using Garage Band, creating and interpreting graphic notation to create improvisational structures in performance, or even writing and producing an album of original musical material, depending on the interests of the class. It is not necessary to read music or otherwise have a background in music, however, a genuine interest in music and an open mind are highly recommended.

#### **FA832 INTRO TO TECHNICAL THEATRE**

**Elective | Freshmen-Seniors**

**Semester Course | .50 Units**

This course introduces the student to all of the basic technical aspects of theatre and stagecraft, including set construction/theatrical architecture/scene painting, tool use and shop safety, props, basics of electrics, lighting, sound, and costume/wardrobe, along with the fundamentals of working on a stage crew.

#### **FA728 INTRODUCTION TO DANCE**

**Elective | Freshmen**

**.50 Units**

The Introduction to Dance class is designed to introduce students to the absolute basics of dance including such styles as jazz, modern, ballet and contemporary. Emphasis is placed on correct execution of fundamental dance skills within the student's personal range of ability. Basic dance technique is covered, and proper stretch and strength exercises as well as injury prevention are emphasized throughout the class as well.

#### **FA880 HUMANITIES**

**Required | Seniors**

**Semester Course | .50 Units**

This team-taught course explores the role of the fine arts in relation to society through chronological study from Ancient to Modern times in Western Civilization. Information concerning the basic elements and concepts of appreciation for evaluation of visual art, architecture, music and theatre are included. Students discuss and write about their aesthetic responses. Guest artists, and special field trips to concerts, plays, and museums as well as an architectural walking tour are highlights of this course.

This class is also offered during the summer with a trip. Please see the Summer Course Offerings for more details.

**FA880H HUMANITIES (HONORS)**

**Elective | Seniors** Semester Course | .50 Units  
**(Fulfills Humanities requirement)**

Department approval (Students should have a 3.5 GPA in Fine Arts courses and a demonstrated interest in the arts.)

This honors course includes the same basic information as the FA880 Humanities course and fulfills the humanities course requirements but offers students the opportunity to do additional exploration and research into all of the fine arts. Students will study the arts in depth and have further opportunity to focus on the development of artistic styles through the ages. Students interested in advanced study would benefit from this course. Additional outside of class field trips and opportunities to talk with guest artists will be involved. Students may take this course for St. Louis University 1818 credit.

**FA880SS HUMANITIES (SUMMER COURSE OFFERING)**

**Elective | Seniors** Semester Course | .50 Units  
**(Fulfills Humanities requirement)**

This team-taught course explores the role of the fine arts in relation to society through chronological study from Ancient to Modern times in Western Civilization. Information concerning the basic elements and concepts of appreciation for evaluation of visual art, architecture, music and theatre are included. Students discuss and write about their aesthetic responses.

This course is offered in the summer and includes a European trip. Dates, times, and additional trip costs are determined based on enrollment. Please see the Summer Course Offerings for more details.

**ART ELECTIVES****FA806 DRAWING I**

**Elective | Freshmen-Seniors** Semester Course | .50 Units

This course is an introduction to the variety of material and methods of drawing. Students will explore line, shape, space and solve problems in value. Emphasis will be on learning "how to see" and developing strong compositional skills. Students may take this course for St. Louis University 1818 credit.

**FA807 ADVANCED DRAWING**

**Elective | Sophomores-Seniors** Semester Course | .50 Units  
**Prerequisite | Drawing or by permission of the department**

This course is offered to the advanced student. We will focus on the individual's development of an individual approach to drawing. Emphasis will be placed on style, color, composition and observational drawing. Students may take this course for St. Louis University 1818 credit. Students may take this class for UMSL ACP credit.

**FA811 SENIOR DRAWING**

**Elective | Seniors or by permission of the department** Semester Course | .50 Units

**Prerequisite | Drawing I & Advanced Drawing**

This class is for seniors who have successfully completed Drawing I and Advanced Drawing. The focus will be on drawing from life and various sources including the human form, still life, and will include various field trips. Students will explore media and continue to explore their own expression in drawing. Students may take this class for UMSL ACP credit.

**FA920H AP DRAWING (HONORS)**

**Elective | Junior & Seniors or by permission of the department**  
**Yearlong Course | 1.0 Units**

**Prerequisite | Department Approval Required**

Course description: In this course, students continue the preparation of a drawing portfolio for submission to art, design, and architecture schools. This will include working with a variety of media to create finished drawings. Students will take the course for an entire year and are required to complete a portfolio to submit to the College Board in May. Students will be assessed the fee set by the College Board. The estimated fee is \$95.

**FA808 BASIC DESIGN**

**Elective | Freshmen-Seniors** Semester Course | .50 Units

This course is an introduction to the basic elements and principles of design. Students will solve two- and three-dimensional design problems in various media: including drawing, printmaking, ceramics, painting, and collage.

**FA812 CERAMICS**

**Elective | Freshmen-Seniors** Semester Course | .50 Units

This course offers the opportunity to construct three-dimensional forms from clay. Students will explore several hand building methods, the application of glazes, and the use of ceramic tools; they will also have an introduction to throwing on the wheel.

**FA816 ADVANCED CERAMICS-WHEEL THROWING**

**Elective | Sophomores-Seniors** Semester Course | .50 Units

**Prerequisite | Ceramics**

In this semester long course students will consider form as they create artwork in ceramics. This course will further investigate the techniques and functionality of the wheel thrown vessel created with single and multiple elements. Coinciding with the creation, ceramic art students will also investigate the history of wheel thrown art from a variety of cultures.

**FA817 ADVANCED CERAMICS-SCULPTURE**

**Elective | Sophomores-Seniors** Semester Course | .50 Units

**Prerequisite | Ceramics**

In this semester long course students will explore clay as a medium, its qualities, and versatility to create sculptural forms. The students will investigate the concepts of scale, texture and environment as they develop their own individual expression and aesthetic. Coinciding with the creation of sculpture students will also investigate the history sculptural art from a variety of cultures.

**FA855 INTRODUCTION TO THE ART OF PHOTOGRAPHY**

**Elective | Freshmen-Seniors** Semester Course | .50 Units

This is a beginning course in the art of photography. Students will look critically at the photographic image with particular emphasis on composition; learn about the historical development of photography as an art form; and learn the basics of the operations of a camera and dark room processes. The course culminates in a portfolio show. Equipment is provided.

**FA843 PHOTO II: DIGITAL PHOTOGRAPHY****Elective | Sophomores-Seniors Semester Course | .50 Units****Prerequisite: Intro to the Art of Photography or by permission of the department**

This course guides students to continue an exploration of photography. Students refine their photographic aesthetic and expand their knowledge of technique within the possibilities of digital technology. Students will further develop their personal style and build a portfolio displaying an ability to express themselves and their world through a variety of approaches. Students will learn to operate Adobe Lightroom and Photoshop software. Students supply their own digital cameras.

**FA846 INTRODUCTION TO FIBER ARTS****Elective | Freshmen-Seniors Semester Course | .50 Units**

This is a course in artistic expression through the medium of fiber arts: artwork made from fabrics and other fibrous materials. Students study pattern & composition and create works using textile processes including printing processes, dyeing, and construction with a sewing machine.

**FA848 FIBER ARTS II****Elective | Sophomores-Seniors Semester Course | .50 Units****Prerequisite | Introduction to Fiber Arts**

This course is a continuation of studio work in fiber arts. Students engage in independent study and propose and design their final project. Students will use a sewing machine and a variety of hand processes and materials.

**FA815 PAINTING****Elective | Freshmen-Seniors Semester Course | .50 Units**

This course is designed to expose students to painting as a media of observation. Students are invited to explore color in various media including watercolor, acrylic and oil paint. Emphasis will be on experimenting with techniques, methods and the effective use of color.

**FA845 PAINTING II****Elective | Sophomores-Seniors with department approval****Prerequisite | Painting I Semester Course | .50 Units**

This course is designed to continue the student's exploration of color, composition, and vision in a variety of painting media. The student's individual study of painting and historical techniques will also be explored. Specific concepts to be investigated: the process of painting as an investigation of vision, how different painting media (and the effects created) reflect the subject, and how the artist's decisions throughout the process of painting reflect the artist's voice. Students may take this class for UMSL ACP credit.

**FA818H AP ART HISTORY (HONORS)****Elective | Juniors & Seniors Yearlong Course | 1.0 Units****Department approval required**

This course covers periods of the ancient world through postmodernism. It is designed to provide students with the same material covered in an introductory college course in art history. Students gain knowledge of architecture, sculpture, and painting, as well as other forms within diverse historical and cultural contexts. Students examine and critically analyze major art forms of artistic expression from the past and present, and from a variety of European and non-European cultures. In this course students engage in both visual and historical study about art and its contexts. Students develop an understanding of artworks in their contexts, considering issues of patronage, gender, politics, religion, and ethnicity. Attention is given to the interpretation of a work of art based upon its intended use, audience, and the role of both the artist and work of art in a particular society. Students are required to take the AP Art History exam that is administered in May. Students will be assessed the fee set by the College Board. The estimated fee is \$95.

**FA853SS OIL PAINTING I & II****Elective | Freshmen-Seniors Quarter Course | .25 Units****Offered Summer 2022 (Alternates with Drawing at the Zoo)**

Students will begin working in oil by painting still life. Emphasis will be on color, value and shape. Students will learn the basics of oil painting, from creating a painting support to developing images in oil. Some classes will permit outdoor painting; supplies provided. This course is offered in the summer.

**FA833SS DRAWING AT THE ZOO****Elective | Freshmen-Seniors Quarter Course | .25 Units****Offered Summer 2023 (alternates with Oil Painting I & II)**

In this 3 week course, learn to capture the essence of a live animal as you learn to see and record form and movement quickly. Students will learn and practice gesture drawing techniques, developing drawing skills in recording shapes accurately; learning rendering and mark-making with value and contrast. This course will meet at the St. Louis Zoo in a specified meeting location for each of the 9 class meeting times.

**FA852SS WHEEL THROWING I & II****FA854SS****Elective | Freshmen-Seniors Quarter Course | .25 Units****Summer Course Offering**

This course is designed for all levels and will develop skills of throwing on the potter's wheel. Through the course, we will concern ourselves with functional vessels, lids and handles. This course is offered in the summer. Please see dates and times at the end of the Program of Studies.

**FA857 DIGITAL ART STUDIO****Elective | Freshmen-Seniors Semester Course | .50 Units**

This course introduces students to their computer as a studio art tool. In this course, we will explore various software including Adobe Photoshop, Adobe Illustrator, Fire Alpaca, and other animation software. Students will create art work with the emphasis on digital imagery, manipulation of digital photography and creating animation.

**FA819H AP STUDIO ART: 2D DESIGN (HONORS)****Elective | Juniors & Seniors Yearlong Course | 1 Unit****Prerequisite: Independent Portfolio****Department approval required**

In this course, students continue the preparation of a portfolio for submission to art, design, and architecture schools. This will include working with a variety of media to create finished works. Students will take the course for an entire year and are required to complete a portfolio to submit to the College Board for consideration of AP credit. Students are required to take the Advanced Placement exam that is administered in May. Students will be assessed the fee set by the College Board. The estimated fee is \$95.

**FA919H AP STUDIO ART: 3D DESIGN (HONORS)****Elective | Juniors & Seniors Yearlong Course | 1 Unit****Prerequisite: Independent Portfolio****Department approval required**

Course description: In this course, students continue the preparation of a portfolio for submission to art, design, and architecture schools. This will include working with a variety of media to create finished 3D works. Students will take the course for an entire year and are required to complete a portfolio to submit to the College Board in May. Students will be assessed the fee set by the College Board. The estimated fee is \$95.

**FA873 INDEPENDENT PORTFOLIO****Elective: Juniors and Seniors**      **Yearlong Course | 1 Unit****Department approval required**

This course is for the preparation of a portfolio for submission to art, design, and architecture schools. This will include working with a variety of media. Students will take the course for an entire year to prepare works for a portfolio. Juniors taking Independent Portfolio may continue their portfolio work by taking the AP Studio Art: 2D Design course, 3D Design Course or AP Drawing. Seniors taking Independent Portfolio have the option of submitting their portfolio to the College Board for consideration of AP credit. Students submitting a portfolio to the College Board will be assessed a portfolio submission fee of \$95.

**FA921 APPLIED ARTS PRACTICUM****(DANCE, MUSIC, THEATRE/ TECHNICAL THEATRE, VISUAL ARTS)****Elective: Juniors and Seniors**      **Semester Course | .25 Unit****Department approval required**

Students interested in pursuing Fine Arts disciplines in college, and particularly the area of education in the Fine Arts have the opportunity to work with and assist a Fine Arts teacher for one semester. Examples of practicum opportunities: Gallery Assistant (students learn the details of framing, maintaining, and exhibiting work), Dark Room assistant (students learn how to properly mix chemicals for the processing of film, provide assistance with teacher during dark room studio hours), Dance Class Assistant (help lead warm ups, demonstrate technique and movement vocabulary, create and set short choreography), Ceramics Assistant, Music Assistant, Tech Assistant. The course is individualized for each student with a personalized learning plan that covers the application of academic and technical knowledge and skills, career knowledge, 21<sup>st</sup> century learning and innovation, and professional social skills. Students will demonstrate what they have learned in a presentation at the end of the term. Credit will be graded as pass/fail and awarded on the basis of demonstrated learning, time spent, and teacher/student evaluation.

**MUSIC ELECTIVES****FA901 CHOIR****Elective | Freshmen-Seniors**      **Yearlong Course | 1 Unit****Department approval required**

Students will be taught practical music theory, solfeggio, and basic vocal technique. Languages and a variety of world music will be explored. The course will explore the richness of the choral repertoire from the Ancient through Contemporary periods. Private lessons are strongly encouraged.

**FA901H HONORS CHOIR****Elective | Sophomores-Seniors**      **Yearlong Course | 1 Unit****Department approval required, by audition only**

In addition to regular class requirements, Honors Choir, participants are expected to fulfill additional requirements. Options for meeting these requirements include participation in district and state ensembles, and solo and ensemble contests. Students also contribute to concert programs by conducting research on composers and works performed. Private lessons are strongly encouraged. Other avenues for fulfillment of Honors requirements may be made in consultation with the director.

**FA827 WIND ENSEMBLE****Elective | Freshmen-Seniors**      **Yearlong Course | 1 Unit****Department approval required**

This course is for students who have instrumental experience in woodwinds, brass, or percussion or have completed the beginning instrumental course. Students will learn basic music theory, musicianship, and instrumental care. The course will explore the richness of wind ensemble and orchestral repertoire from the Baroque through Contemporary periods. Private lessons are strongly encouraged.

**FA827H HONORS WIND ENSEMBLE****Elective | Freshmen-Seniors**      **Yearlong Course | 1 Unit****Department approval required**

In addition to regular class requirements, Honors Wind Ensemble, participants are expected to fulfill additional requirements. Options for meeting these requirements include participation in district and state ensembles, and solo and ensemble contest. Students are encouraged to participate in the St Louis Symphony Youth Orchestra or similar level groups outside of Nerinx. Students also contribute to concert programs by conducting research on composers and works performed. Private lessons are required. Other avenues for fulfillment of Honors requirements may be made in consultation with the director.

**FA839 ORCHESTRA****Elective | Freshmen-Seniors**      **Yearlong Course | 1 Unit****Department approval required**

This course is for students who have instrumental experience in Violin, Viola, Cello, or Bass. Students will learn basic music theory, musicianship, and instrumental care. The course will explore the richness of Western orchestral repertoire from the Baroque through Contemporary periods. Private lessons are strongly encouraged.

**FA839H HONORS ORCHESTRA****Elective | Freshmen-Seniors**      **Yearlong Course | 1 Unit****Department approval required**

In addition to regular class requirements, Honors Orchestra participants are expected to fulfill additional requirements. Options for meeting these requirements include participation in district and state ensembles, and solo and ensemble contest. Students are encouraged to participate in the St Louis Symphony Youth Orchestra or similar level groups outside of Nerinx. Students also contribute to concert programs by conducting research on composers and works performed. Private lessons are required. Other avenues for fulfillment of Honors requirements may be made in consultation with the director.

**FA863 INTRODUCTION TO MUSIC THEORY****Elective | Sophomores-Seniors**      **Semester Course | .50 Units****Department approval required**

This course is designed to introduce the college-bound music or musical theater student to the fundamentals of Western music theory. Students will learn about the inner workings of musical composition and begin to develop ear-training skills. Students will take an in-depth look at two elements of music, pitch and rhythm, and their use through the history of Western Music. Topics will include rhythm, intervals, chords, major and minor scales, and the circle of fifths. In addition, students will study 4-part voice-leading as well as formal, and harmonic analytical procedures.

**FA872H AP MUSIC THEORY (HONORS)****Elective | Juniors & Seniors**      **Yearlong course | 1 Unit****Prerequisite | Introduction to Music Theory****Department approval required**

The AP Music Theory course corresponds to one or two semesters of a typical introductory college music theory course that covers topics such as musicianship, theory, musical materials, and procedures. Musicianship skills, including dictation and other listening skills, sight singing, and harmony, are considered an important part of the course. Through the course, students develop the ability to recognize, understand, and describe basic materials and processes of tonal music that are heard or presented in a score. Development of aural skills is a primary objective. Performance is also part of the curriculum through the practice of sight singing. Students understand basic concepts and terminology by listening to and performing a wide variety of music. Notational skills, speed, and fluency with basic materials are also emphasized. Students are required to take the Advanced Placement exam that is administered in May. Students will be assessed the fee set by the College Board. The estimated fee is \$95.

**FA864 TOPICS IN POPULAR MUSIC****Elective | Juniors & Seniors**      **Quarter Course | .25 Units**

In this course, students will take an in-depth look at some of the most important songwriters and recording artists of the 20th century. In addition to their musical contributions, students will gain insight into the culture and events of the artists' lives, as well as the impact and legacy of their music. Various musical genres from jazz and rock to electronic music will be represented. Topics will change each time the course is offered. Possible topics could include: Beatles, Bob Dylan, Miles Davis, John Coltrane, Kraftwerk, and others.

**FA856 INTRODUCTION TO MUSIC COMPOSITION****Elective | Freshmen-Seniors**      **Semester Course | .50 Units**

Students will learn skills to give voice to their musical ideas and creativity through the investigation of various elements of musical composition, including orchestration, media, theory, form and analysis, and listening. A wide variety of musical styles will be considered in an effort to reveal the numerous ways in which composers present their musical ideas. A "hands-on approach" will be emphasized and students will use Garage Band and keyboard stations as compositional tools. There will be opportunities for presentation and performance. Guest artists will visit, and concert attendance will occur on pertinent occasions. The course will culminate in a CD compilation of various student projects. Some knowledge of music theory is recommended but not required.

**FA351 BASIC PIANO/KEYBOARD SKILLS****Elective | Freshmen-Seniors**      **Semester Course | .50 Units****Department approval required**

In order to increase their appreciation of music, students will learn and begin to utilize basic keyboard techniques including: the ability to read the grand staff (treble and bass clefs), display rhythmic understanding, and develop independent hand coordination (right and left hands). Students will also explore the history and canon of keyboard music through presentations and research. There will be various proficiency tests throughout the course. This course is not a substitute for private piano lessons, and some knowledge of music theory is helpful.

**THEATRE ELECTIVES****FA729 ACTING I****Elective | Sophomores-Seniors**      **Semester Course | .50 Units****Department approval required**

The Acting I class at Nerinx is designed to introduce students to the foundations of theatre and to develop them into proficient stage performers should they choose. Students in this class study the "art of acting" through exercises in imagination and creativity, ensemble and collaboration, and theatrical games and explorations. Students will work on monologues, pantomime, vocal projection, improvisation, scene work, and movement and will work to dig deeper into their understanding of character development, script analysis, playwriting and stage direction at a level appropriate to their personal experience and ability.

**FA730 ACTING II****Elective | Sophomores-Seniors**      **Semester Course | .50 Units****Department approval required**

The Acting II class at Nerinx is designed as an extension of the Acting I class or for the more experienced student actor per approval of the teacher during the enrollment period. Students continue to build on their foundational acting skills with a deeper understanding of the history of theatre & specific playwrights, heightened storytelling ability and more advanced and efficient character development via various theatrical tools and exercises.

**FA731 ACTING III/IV****Elective | Sophomores-Seniors**      **Semester Course | .50 Units****Department approval required**

The Acting III/IV class at Nerinx is designed as an extension of the Acting II class or for the experienced student actor per approval of the teacher during the enrollment period. Students in this class should have extensive acting and performance experience and should seek this class as a means to further develop their repertoire including explorations in Shakespeare and other classical and contemporary playwrights. Emphasis will be on detailed script analysis, development of "audition repertoire," introduction to acting for the camera and self-taping, as well as the development of stronger directing skills via staging scenes and/or one acts on classmates.

**FA850 PERFORMANCE CLASS****Elective | Seniors**      **Semester Course | .50 Units****Department approval required**

This course is designed to develop individual talent and prepare senior-level performance students for the college audition process. Voice students, instrumentalists, actors, musical theatre students, and dance students will focus on all aspects of audition and performance. Concentrating on moving from the studio to the stage, students will be mentored by a team of teachers to enhance their audition and performance skills as well as their resume and personal marketing tools in preparation for college and beyond. This class meets in the fall semester, and students will have opportunities to visit college performance classes (TBD) as the schedule allows.

**FA823 MUSICAL THEATRE****Elective | Sophomores-Seniors Semester Course | .50 Units****Prerequisite | Acting or Intro to Theatre****Department approval required**

This course will introduce students to musical theatre performance. The essentials of musical theatre history will be explored as students learn vocabulary and terminology of the musical production process. Students will develop skills in both audition and rehearsal settings, learning how to use character development and storytelling as the central tool for musical theatre dance expression with a strong emphasis on the understanding of dynamics, intention, rhythm, line, and movement narrative.

**FA851 DESIGN/BUILD****Elective | Freshmen-Seniors Semester Course | .50 Units**

This course seeks to develop self-confidence in students and empower them through learning practical knowledge of useful tools and DIY skills. In a shop environment, students will be taught critical thinking and construction skills along with real world applications of concepts taught in other academic areas (science, math, business, art/design). The safe usage of basic hand tools and practical skills will be emphasized through lectures and hands on projects. The skills taught will be partly dependent on student interests, but might include small home projects, basic electrical work, vehicle maintenance, and basic carpentry. This class may take a field trip to work with Habitat for Humanity. Students will be encouraged to explore skills of personal interest in their assignments.

**DANCE ELECTIVES****FA867 DANCE I****Elective | Freshmen-Seniors Semester Course | .50 Units**

This class is designed to develop basic knowledge of dance including foundations in jazz, modern, and ballet as well as choreography. Class will begin with a warm up comprised of stretching, strengthening and technical refinement, followed by across-the-floor sequences, and concluding with a dance combination/routine that showcases the various dance styles introduces. Students will learn basic dance terminology throughout the course and will be given one written test covering such knowledge at the end of the semester. They will also be given one practical skills/technique test and have graded showings of learned combinations at various points in the semester.

**FA868 DANCE II****Elective | Freshmen-Seniors Semester Course | .50 Units****Department approval required**

This class will be developed as a continuation to Dance I or as an option for students with previous dance experience- per the approval of the instructor during the enrollment period. This is an intermediate level dance class that will incorporate the various dance genres (jazz, modern, ballet) at an increased pace so as to allow for more complicated skills and more developed choreography. Continued dance terminology will be addressed and dance kinesiology and history will also be introduced and included on an end of semester written test. One practical technique test will be given and graded showings of dance combinations will be held throughout the semester. Upon time availability, students may have the opportunity to explore working on their own choreography as well. Performance opportunities to be determined and are dependent on the semester the class is offered.

**FA879 DANCE III/IV****Elective Freshmen-Seniors Semester Course | .50 Units****Department approval required**

This class has been developed as a continuation to Dance II or as an option for the experienced dancer per the approval of the instructor during the enrollment period. This is an advanced level dance class that allows students to continue their work on advanced dance skills within the various genres explored (jazz, modern, ballet). Students will learn choreography at a pace that allows for extensive movement/choreographic exploration, and will continue their understanding of dance terminology, kinesiology and history concluding with a written test at the end of the semester. An additional written assignment may involve research and/or short essay submission. Students will have extensive opportunities to work on student choreography. This class requires a commitment to dance training and strong rehearsal skills to ensure quality time to prepare for an end of semester performance.

## HEALTH AND PHYSICAL EDUCATION

The purpose of the Health and Physical Education curriculum is to develop knowledge, understanding, physical skills and attitudes that will enable all students to develop a healthy lifestyle. We teach students the importance and understanding of the role of vigorous, regular physical exercise and making positive health choices.

9<sup>th</sup> Grade Physical Education, and 10<sup>th</sup> Grade Health Education meet for one semester. Activity classes meet for one quarter.

### COURSE SEQUENCE

9 <sup>th</sup> Grade Physical Education	.50 Units
Health Education	.50 Units
I Physical Education Activity Class	.25 Units

#### PE620 9<sup>TH</sup> GRADE PHYSICAL EDUCATION

**Required | Freshmen Semester Course | .50 Units**

This course introduces students to different aspects of team-oriented and individual physical activities that foster life-long fitness and good health. Students will learn skills and perform drills relating to fitness activities and a variety of sports, including rules and game play. Students will also be introduced to the basics of weight training.

#### PE701 HEALTH EDUCATION

**Required | Sophomores Semester Course | .50 Units**

This course is designed to teach the wellness concepts of health, both the mental and physical aspects. Topics covered are fitness, proper nutrition and weight control, eating disorders, drug education, noninfectious disease, disabilities and sexually transmitted diseases. Topics covered in the course are presented through lectures and discussions, audiovisuals and guest speakers. Students are given written tests and quizzes and a health topic project.

#### PE640 ARCHERY & BADMINTON

**Elective | Sophomores-Seniors .25 Units**

This course develops techniques in archery and badminton. The course includes a skills and written test covering the history, techniques, rules and strategy of competitive archery and badminton.

#### PE641 COMPETITIVE SPORTS & GAMES

**Elective | Sophomores-Seniors .25 Units**

This course is designed to give a sampling and appreciation of the following recreational and team sports: soccer, kin ball, team handball and tennis. Each unit includes a written test covering the rules and strategies.

#### PE642 STRENGTH & CONDITIONING

**Elective | Sophomores-Seniors .25 Units**

This course will introduce the student to low-impact aerobics and hand held free weight training. This course will develop large muscle strength utilizing universal machines and free weights. Students will be introduced to circuit training. A written test covering techniques, lift/muscle relationships, weight training principles, and safety is given.

#### PE643 BOWLING & RECREATION GAMES

**Elective | Sophomores-Seniors .25 Units**

This course develops the fundamentals of bowling, rules, scoring, strategies, and etiquette in the game. Board games, pickleball, and a variety of recreation games will be taught. A written test on bowling and pickleball rules is given.

## MATHEMATICS

The purpose of the mathematics curriculum is to empower successful young women through the development of numeracy, critical thinking, and problem-solving skills. The diversity and rigor of courses offered prepare students both for college-level mathematics as well as real-world applications while enriching creativity through abstract thinking.

Three units of mathematics are required for graduation from Nerinx Hall: two units in Algebra, and one unit in Geometry. Four units are strongly recommended and a requirement for admittance to some universities. Department approval is required for admittance into any math course. Students work in conjunction with their teachers to choose the level most appropriate for them. Students who wish to move between levels should discuss it with their current math teacher. Class registration is dependent on successful completion of 2<sup>nd</sup> semester work. Freshmen are placed in Algebra I Honors, Algebra I A, or Algebra I B based on placement test scores, standardized test scores, and grades.

All math courses are full year courses: If a student fails first semester but passes 2<sup>nd</sup> semester with a C+ or better, a full year of credit will be awarded.

College credit is available for Advanced PreCalculus Honors through the 1818 program of Saint Louis University. College credit is available for Calculus Honors through the 1818 program of Saint Louis University or the Advanced Credit Program through the University of Missouri-St. Louis. Advanced Placement credit is also available in the AP Calculus AB, AP Calculus BC and AP Statistics courses.

### MT200 ALGEBRA I A

Yearlong Course | I Unit

In this first year algebra course, the emphasis is on understanding the structure of algebra. It provides the student with experience in the manipulation of algebraic expressions and equations in order to acquire a facility in the application of these concepts and skills in solving problems. Use of graphing calculators is introduced.

### MT210 ALGEBRA I B

Yearlong Course | I Unit

In this first year algebra course, the emphasis is on building and expanding on algebraic skills. It is designed to introduce the student to the principles of algebra, providing the student with practice in applying algebraic concepts and skills. Use of graphing calculators is introduced.

### MT291H ALGEBRA I (HONORS)

Yearlong Course | I Unit

This is a more sophisticated course involving algebraic structures with more emphasis on problem solving. It is designed for students who are capable of exploring mathematical concepts in greater depth. Use of graphing calculators is introduced.

### MT206 GEOMETRY A

Prerequisite | Algebra I A

Yearlong Course | I Unit

This course is designed for students who previously took Algebra I A. It will acquaint students with some of the fundamental properties of plane and solid Euclidean geometry. It is designed to develop creative and logical thought patterns. Geometry software (Sketchpad) is used to aid in geometric discoveries. The graphing calculator is also used.

### MT211 GEOMETRY B

Prerequisite | Algebra I B

Yearlong Course | I Unit

This course is designed for students who previously took Algebra I B. It will acquaint students with some of the fundamental properties of plane and solid Euclidean geometry. Geometry software (Sketchpad) is used to aid in geometric discoveries. The graphing calculator is also used.

### MT292 GEOMETRY (HONORS)

Yearlong Course | I Unit

Prerequisite | "B-" or above in Algebra I Honors or Algebra II Trigonometry Honors

This course is similar to Geometry A but is designed for students who are capable of exploring mathematical concepts in greater depth and at a faster pace.

### MT215 ALGEBRA II

Yearlong Course | I Unit

Prerequisite | Algebra I B and Geometry B

This course is designed for students who previously took Algebra I B and Geometry B. Linear and quadratic functions are studied in depth along with systems of equations. Students are introduced to matrices and radical expressions. This course includes more in-depth use of graphing calculators.

### MT214 ALGEBRA II/TRIGONOMETRY

Yearlong Course | I Unit

Prerequisite | Algebra I A and Geometry A

This course is designed for students with a background in Algebra I. Linear, quadratic and other polynomial functions are studied in depth along with systems of equations as well as radical and rational expressions. In addition, a substantial treatment of trigonometric functions is included. Use of graphing calculators is an integral part of this course.

### MT293H ALGEBRA II/TRIGONOMETRY (HONORS)

Yearlong Course | I Unit

Prerequisite | "B-" or above in Geometry Honors or passing grade on Algebra I Honors test-out test

This course covers linear, quadratic, and other polynomial functions along with systems of equations and matrices. Students are introduced to radical and rational expressions and conic sections, and trigonometry is studied in depth. Use of graphing calculators is an integral part of this course.

### MT213H PRECALCULUS (HONORS)

Yearlong Course | I Unit

Prerequisites | "B+" or above in Algebra I Honors & Geometry Honors

This course is designed for juniors who took Algebra I Honors freshman year and intend to take Calculus senior year. This is an accelerated course with major emphasis on functions. This includes linear, quadratic, polynomial, exponential, and trigonometric functions. Other topics studied are sequences and series, matrices, conic sections, and complex numbers. Use of graphing calculator is an integral part of this course. Students must maintain an 83% (B) or above grade by the end of 1<sup>st</sup> Quarter to continue in the course.

**MT223 TRIGONOMETRY & ADVANCED MATH**

Yearlong Course | 1 Unit

**Prerequisite | Algebra II**

This course is designed for students with a background in Algebra I B, Geometry B, and Algebra II. Understanding and applications of linear, quadratic and other polynomial functions are studied. A substantial treatment of trigonometric functions is included. Topics covered will include an extension of Algebra II as well as an introduction to College Algebra topics. Use of a graphing calculator is an integral part of this course.

**MT221 PRECALCULUS**

Yearlong Course | 1 Unit

**Prerequisite | Algebra II/Trigonometry**

This course is designed to prepare seniors for taking Calculus in college, especially for those interested in pursuing college majors where Calculus is required. The major emphasis of this course is on functions, including quadratic, polynomial, rational, exponential, and trigonometric functions. Other topics include analyzing graphs, complex numbers, and sequences and series. Use of a graphing calculator is an integral part of this course.

**MT222 PRECOLLEGE ALGEBRA**

Yearlong Course | 1 Unit

**Prerequisites | Algebra II/Trigonometry**

This course is designed for seniors who do not intend to take Calculus in college but still need to be prepared for college level math. The course will focus on linear, quadratic, polynomial, rational, and exponential functions. Other topics may include conic sections, systems of equations, sequences and series, and matrices

**MT295H ADVANCED PRECALCULUS (HONORS)**

Elective | Juniors and Seniors

Yearlong Course | 1 Unit

**Prerequisite | "B-" or above in Algebra II/Trigonometry Honors**

This course is designed for juniors and seniors who have already taken Algebra II/Trigonometry Honors and are choosing to continue in honors math. The major emphasis of the course is functions including linear, quadratic, polynomial, exponential, logarithmic, and trigonometric functions. Other topics include sequences and series, matrices, polar coordinates, and complex numbers. Use of a graphing calculator is an integral part of this course. Students may elect to take college credit through St. Louis University 1818.

**MT296H CALCULUS (HONORS)**

Yearlong Course | 1 Unit

**Prerequisite | PreCalculus Honors or Advanced PreCalculus Honors**

This course uses the rule of four: analytic/algebraic, numerical, graphical, and verbal methods to solve problems. The syllabus' major emphasis is derivatives and integrals. This course is designed to be comparable to a first semester Calculus I college course and students may elect to take college credit through St. Louis University 1818 or UMSL ACP.

**MT297H AP CALCULUS AB (HONORS)**

Yearlong Course | 1 Unit

**Prerequisites | PreCalculus Honors or Advanced PreCalculus Honors**

This course is designed for honors students who have completed a PreCalculus Honors or Advanced PreCalculus Honors course. This course will use a great deal of technology with major emphasis on derivatives and integrals. It is designed to be comparable to a first semester Calculus I college course. Students are required to take the Advanced Placement exam that is administered in May. Students will be assessed the fee set by the College Board. The estimated fee is \$95.

**MT298H AP CALCULUS BC (HONORS)**

Yearlong Course | 1 Unit

**Prerequisites | AP Calculus AB Honors or Calculus Honors**

This is an online course for seniors who have successfully completed Calculus. This class has no face to face component. The instructor will be available for questions and assistance as needed. Students are required to take the Advanced Placement exam that is administered in May. Students will be assessed the fee set by the College Board. The estimated fee is \$95.

**MT294H AP STATISTICS (HONORS)**

Elective | Seniors

Yearlong Course | 1 Unit

**Co-requisites | PreCalculus (regular or honors)**

This elective yearlong course is designed for students who have taken or are currently taking PreCalculus (regular or honors). This course is designed to be comparable to an introductory level college statistics course. The course is divided into four major themes: exploratory data analysis, experimental design and study planning, probability, and statistical inference. The purpose of this course is to prepare students for the Advanced Placement Statistics Exam. Students are required to take the Advanced Placement exam that is administered in May. Students will be assessed the fee set by the College Board. The estimated fee is \$95.

## SCIENCE

In all science classes a student is encouraged to develop analytical thinking skills that will enable her to deal confidently with issues of a scientific nature. We believe that a young woman preparing to make a difference in the world needs knowledge in all areas of natural science. To that end, students at Nerinx Hall are required to take three years of science that include physics, chemistry, and biology. Elective courses in advanced biology, advanced chemistry, advanced physics, Eco-Act, anthropology and evolution, astronomy, anatomy and physiology, computer science & engineering, environmental science, and science explorations provide opportunities for students interested in a fourth year of science.

Each student is encouraged to work within the requirements and course offerings to find the science program that best fits her needs.

### COURSE SEQUENCE

#### Typical Course of Study

1<sup>st</sup> Year: 9<sup>th</sup> Grade Physics A, 9<sup>th</sup> Grade Physics B, or 9<sup>th</sup> Grade Physics Honors

2<sup>nd</sup> Year: Chemistry or Chemistry Honors, Electives include Astronomy

3<sup>rd</sup> Year: Biology or Biology Honors, Electives include Astronomy, Environmental Science, Introduction to Forensics, and Senior Physics Honors

4<sup>th</sup> Year: Electives include AP Chemistry Honors, AP Biology Honors, Senior Physics, or AP Physics I Honors, Anatomy and Physiology Honors, Eco-Act, Anthropology and Evolution, Astronomy, Introduction to Forensics, Environmental Science, and Independent Study

#### S1321 9TH GRADE PHYSICS A

**Required | Freshmen**

**Yearlong Course | 1 Unit**

This is an introductory Physics course in which students observe and study the inanimate physical world. Through lecture, discussion, lab activities and mathematical calculations, students will explore several topics in physics: math review and lab basics, motion, forces, energy, atomic theory and atomic structure, the electric force, simple electric circuits, harmonic motion, and thermodynamics. Students will gain problem-solving skills and a facility with unit conversions, scientific notation, and significant digits. They will also learn to communicate scientific knowledge clearly and precisely. This course forms the foundation for all future science courses.

#### S1321 9TH GRADE PHYSICS B

**Required | Freshmen**

**Yearlong Course | 1 Unit**

9<sup>th</sup> Grade Physics B is an introductory Physics course in which students observe and study the inanimate physical world. Through lecture, discussion, lab activities and mathematical calculations, students will explore several topics in physics: math review & lab basics, motion, forces, energy, atomic theory & atomic structure, the electric force & simple electronic circuits, harmonic motion, & thermodynamics. Students will both build and gain problem-solving skills and a facility with unit conversions, scientific notation, and significant digits. They will also learn to communicate scientific knowledge clearly and precisely.

This class differs from the 9<sup>th</sup> Grade Physics A course in that more time is spent with students to truly grasp and understand material with an emphasis in building core science concepts. This course is designed as an introductory science course with a focus on student discovery and supportive mathematical reasoning.

#### S1322<sup>H</sup> 9TH GRADE PHYSICS (HONORS)

**Required | Freshmen**

**Yearlong Course | 1 Unit**

**Department approval required**

This is an introductory physics course in which students observe and study the inanimate physical world. Through lecture, discussion, lab activities and mathematical calculations, students will explore several topics in physics: math review and lab basics, motion in one dimension, forces and acceleration, gravity, thermodynamics, energy, atomic structure, the electric force, simple electric circuits and waves. Students will gain problem-solving skills and a facility with unit conversions, scientific notation, and significant digits. They will also learn to communicate scientific knowledge clearly and precisely. This course forms the foundation for all future science courses. and goes into each topic more thoroughly and deeply, and involves more complex calculations and more critical thinking than 9<sup>th</sup> Grade Physics. Several projects are also required in this course.

#### S1306 CHEMISTRY

**Required | Sophomores**

**Yearlong Course | 1 Unit**

**Prerequisite | 9<sup>th</sup> Grade Physics**

**Department approval required**

This is an introductory chemistry course in which the study of matter occurs through laboratory work, class discussion and problem solving. Topics include classification and properties of matter, molar relationships, stoichiometry, atomic structure, bonding, acids and bases and thermochemistry. Students are encouraged to recognize the chemistry that they encounter every day and to do their own research.

**S1391H CHEMISTRY (HONORS)****Elective | Sophomores  
(Fulfills the Chemistry requirement)****Yearlong Course | 1 Unit****Department approval required**

Chemistry Honors is an accelerated college prep chemistry course. The course will cover traditional topics in inorganic chemistry with an emphasis on qualitative and quantitative analysis. Topics covered are atomic structure, bonding, properties of matter, stoichiometry acid-based chemistry, and thermochemistry. Students will learn to keep a well-organized laboratory notebook.

**S1301 BIOLOGY****Required | Juniors****Yearlong Course | 1 Unit****Prerequisite | Chemistry or Chemistry Honors****Department approval required**

This is a first-year comprehensive Biology course that emphasizes basic themes of living systems. Topics include biochemistry, cell biology, DNA, genetics, reproduction and ecology. Students perform numerous labs throughout the course. Data collection and analysis are central to course success. A classroom presentation near the end of the year allows students to stand before their peers and speak about a science topic.

**S1303H BIOLOGY (HONORS)****Elective | Juniors****Yearlong Course | 1 Unit****(Fulfills the Biology requirement)****Prerequisites | Teacher recommendation and Department approval**

This is a challenging course with topics centering on evolution, cellular processes, including asexual and sexual division, energy transfers including photosynthesis and cellular respiration and genetics and information transfers within cells. The curriculum focuses on helping students gain an understanding of the underlying principles of biology by emphasizing scientific experimentation with written lab reports including analysis of data and interpretation of results. Each semester there is one independent assignment requiring students to attend a science seminar.

**S1304H AP BIOLOGY (HONORS)****Elective | Seniors****Yearlong Course | 1 Unit****Prerequisite | B- minimum in Chemistry and Biology****Department approval required**

This is a challenging Biology course that follows the AP Biology curriculum. Topics center on the 4 Big Ideas of AP Biology: evolution, cellular processes: energy and communication, genetics and information transfer, and interactions. The curriculum is inquiry-based and allows students to develop the reasoning skills essential to the science practices used throughout the course. The laboratory activities are student-directed and inquiry-based experiences that allow students to design experimental plans, collect data, apply mathematical routines, and refine testable hypotheses. This curriculum focuses on helping students to gain an enduring understanding of biology and the scientific body of evidence that supports it. A summer study and first day of school test is part of the curriculum. Students are required to take the Advanced Placement exam that is administered in May. Students will be assessed the fee set by the College Board. The estimated fee is \$95.

**S1394H AP CHEMISTRY (HONORS)****Elective | Seniors****Yearlong Course | 1 Unit****Prerequisite | Chemistry/Honors Math level****Department approval required**

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. For some students, this course enables them to undertake, in their first year, second-year work in the chemistry sequence at their institution or to register in courses in other fields where general chemistry is a prerequisite.

Quantitative differences appear in the number of topics treated, the time spent on the course by students, and the nature and the variety of experiments done in the laboratory. Up to sixteen college level laboratory procedures are performed. Students are required to take the Advanced Placement exam that is administered in May. Students will be assessed the fee set by the College Board. The estimated fee is \$95. A summer study and first day of school test is part of the curriculum.

**S1395 SENIOR PHYSICS****Elective | Juniors and Seniors****Yearlong Course | 1 Unit****Prerequisite | Algebra and Geometry****Department approval required**

This is a high school level, algebra-based physics course. The course covers all the main topics of a first semester college physics course, for non-physics or non-engineering majors. This is a good course for students planning to pursue college majors in biology, chemistry, physical therapy or pre-medical students or for any student with a general interest in physics. Topics include vectors, motion in one and two dimensions forces and Newton's Laws, work, energy, impulse momentum, collisions, rotational motion, torque, gravity and orbits, buoyant force and Archimedes' principle, vibrations and waves including the Doppler Effect, and thermodynamics including heat transfer, calorimetry and the relationship between pressure, temperature and volume of ideal gases. Laboratory work is an integral part of this course.

Labs are performed with computerized sensors and software, students are required to write lab reports using Excel to display and analyze data. Approximately 1.5 hours of homework, including both conceptual questions and calculations, will be assigned per class.

**S1397H AP PHYSICS I (HONORS)****Elective | Seniors****Yearlong Course | 1 Unit****Prerequisite |****“A” in Algebra Honors (I or II)****“A” in Geometry Honors****9<sup>th</sup> Grade Physics Honors****Department approval required**

AP Physics is an algebra-based, introductory college-level physics course. It is a full-year course that is the equivalent of a first-semester introductory college course in algebra-based physics. For some students, this course enables them to undertake second-year coursework at their institution during their first academic year. For other students, the AP course fulfills the Physics laboratory requirement only and frees time for other courses. Students may take this class for SLU 1818 credit.

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. Up to 19 college level experiments are performed, providing hands-on laboratory experience with an emphasis on inquiry based investigations that demonstrate the foundations of physics principles. Colleges may require students to present their laboratory materials from AP science courses before granting college credit for laboratory work. Students are encouraged to retain their laboratory notebooks, reports, and other material as proof of completion. Students are required to take the Advanced Placement exam that is administered in May. Students will be assessed the fee set by the College Board. The estimated fee is \$95.

**S1308H ANATOMY AND PHYSIOLOGY HONORS****Elective | Seniors****Yearlong Course | 1 Units****Prerequisite | At least a B average in Biology/Chemistry****Department approval required**

Students will relate the underlying principle of anatomy and physiology, “structure determines function,” to the organ systems of the human body through lecture, lab work, and class discussion. Lab work will include dissection of the sheep brain, sheep eye, and detailed dissection of a fetal pig or cat. Physiology is addressed through several human labs such as the muscle fatigue lab, the vision lab and the respiration lab. Students may take this class for UMSL ACP credit. A \$20 Lab Fee for Cadaver Visit to AIMS.

**S1310 ANTHROPOLOGY AND EVOLUTION****Elective | Seniors****Semester Course | .50 Units****Department approval required**

This course includes one quarter of biological anthropology and one quarter cultural anthropology. In biological anthropology, students will explore the evolutionary relationships between primates and humans. This will include data collection on measurements of various skulls. Cultural anthropology will explore the evolution of cultures and common human aspects such political systems, gender, religion, race and ethnicity.

**S1311 ECO-ACT****Elective | Seniors****Yearlong Course | 1 Unit****Prerequisite | Biology and Chemistry****Department approval required**

Ecology in Action (Eco-Act) is an environmental leadership program sponsored by Missouri Botanical Garden. The course provides a unique opportunity for students to develop their leadership skills, understand their environment, meet students from other schools, participate in the community, and be a teacher and role model for young children.

**S1315 ASTRONOMY****Elective | Sophomores-Seniors****Semester Course | .50 Units****Department approval required****Prerequisite | 9<sup>th</sup> Grade Physics or equivalent course**

This is an introductory course to astronomy. Topics covered include motions of celestial objects, history of astronomy beginning with ancient astronomers to present, the theories of formation of our solar system and stars, the life cycles of stars and survey of the celestial bodies in our solar system. In addition, black holes, nebulae, supernovae and other cosmological topics will be discussed.

**S1309 INTRODUCTION TO FORENSIC INVESTIGATION****Elective | Juniors and Seniors****Semester Course | .50 Units****Department approval required**

This course will introduce theory and techniques of investigative science. Physics, chemistry, and biology will be used to investigate and solve “criminal cases.” Using the scientific methods of making a hypothesis, gathering evidence, and testing the hypothesis through hands-on experiments.

**S1361 ENVIRONMENTAL SCIENCE****Elective | Juniors and Seniors****Yearlong Course | 1 Units****Department approval required**

This class is designed to provide students with the scientific theories, models, and techniques that will allow them to analyze local, regional, and global environmental issues. A strong emphasis is placed on science, stewardship, and sustainability. Students will utilize critical, creative, logical, and reflective thinking to study and evaluate natural and human induced environmental problems. The course requires an interdisciplinary view that ranges across the social sciences, ethics, politics, and many scientific fields. Labs and special assignments are important aspects of the environmental science curriculum. The number one goal of the course is to provide students with a solid scientific foundation that will allow them to make informed environmental decisions.

**S1351 INDEPENDENT STUDY****Elective | Seniors****Semester Course | .50 Units**

Students will choose a research project and implement the project over the course of a semester. Students will do background research and write a research proposal. Upon approval of the project, students will work with faculty and outside mentors to design an experiment, collect, record, analyze data, and interpret. Students will present the results of their study in a poster.

**S1320SS COSTA RICA TRIP: ECOLOGY/FIELD BIOLOGY****Elective | Rising Juniors & Seniors****.25 Units**

Summer Field Biology experience in Costa Rica. Students will spend nine days in Costa Rica collecting data on endangered sea turtles at a nature preserve and learning about rain forest ecology at a research station. Students will work with researchers collecting data and present their results. Workshops prior to the trip will include ecology and field biology theory and techniques. Students can receive .25 credits of Field Biology and/or this trip can count toward service hour requirements with the exception of senior service hours. Rising juniors and seniors are eligible for this trip.

## SOCIAL STUDIES

The purpose of social studies is to develop historical and cultural literacy, as well as to enable students to make responsible decisions as citizens of an increasingly diverse society in an interdependent world. The social studies curriculum reflects this goal in its requirements for graduation. All students will complete three units of credit.

### COURSE SEQUENCE

#### Typical Course of Study

1st Year: World Studies I or World Studies I (Honors).

2nd Year: World Studies II or AP World History (Honors). Electives include Topics in History and The Close Up Experience.

3rd Year: US History, US History (Honors) or US History Interdisciplinary (Honors). Electives include Topics in History, The Close Up Experience, Black History, Black History Honors, Eastern Cultures Honors, Introduction to Sociology, HERstory, The '60s and Beyond, Introduction to Psychology, and Money and Power

4th Year: American Politics or American Politics (Honors). Electives include Topics in History, The Close Up Experience, Black History, Black History Honors, Eastern Cultures Honors, Introduction to Psychology, Introduction to Sociology, HERstory, The '60s and Beyond, and Money and Power.

#### SS105 WORLD STUDIES I

##### Required | Freshmen

##### Semester Course | .50 Units

World Studies I is a survey course designed for Freshman level students to explore the development of ancient human civilizations, religions/philosophies, and cultures throughout the world. Students will be introduced to social science skills and methods, including reading comprehension, critical thinking, essay and short-answer writing, developing students' "historical vocabulary", and learning to compare and contrast aspects of human history. This course focuses on the heritage and legacy of the great world civilizations of Africa, Asia, Europe, and the Americas. We will study the contributions and struggles of these peoples as their civilizations rise and decline. Emphasis will be placed on the major individuals, events, religious and political movements, conflicts, and economic developments which produced global interactions and cultural exchanges.

#### SS134H WORLD STUDIES I (HONORS)

##### Required | Freshmen

##### Semester Course | .50 Units

##### Fulfills World Studies I

**Department approval is required for student requesting this course.**

The purpose of World Studies I Honors is to expose students to the rigor of an AP curriculum and/or an honors course to build the necessary skills to achieve success in future high-level courses. The goal of this course is to prepare students for content and paradigms they may encounter as sophomores and to provide practice in managing multiple avenues of information. Students will examine and analyze primary source materials, develop historical writing skills, and familiarize themselves with the language and competencies to be successful in an AP program and /or other honors-level courses.

#### SS106 WORLD STUDIES II

##### Required | Sophomores

##### Yearlong Course | 1 Unit

World Studies II continues the story of our global heritage and examines the various ways in which Europe, Africa, Asia and the Americas responded to the transition of an increasingly changing world scene. Cultures will develop into nation states at various time periods and face internal and external expansion; religious conflicts; cultural advancements in science and technology; environmental changes and their effects on the humans involved; the rise of new political ideas; and continued global interactions. Some empires will be considered great and become centers of culture at the same time that they oppress those peoples considered below them in development. Some of these same nations will continue to modernize, industrialize, and revolutionize their political and social interactions. There will be wars, struggles for imperialism, revolutionary movements, the rise of dictators, independence movements and conflicts due to efforts to achieve a global balance of power. The unique problems of the 20th century will dominate the conclusion of this course with special emphasis on the rise of nuclear power, terrorism, the effects of international organizations as countries seek peaceful resolutions to conflicts, and the revolutions in modern technology and communications. The main focus of this course is to develop within the students an understanding of the complex origins of the contemporary world.

**SS130H AP WORLD HISTORY (HONORS)****Required | Sophomores****Yearlong Course | 1 Unit****Fulfills World Studies II**

**A 95% or higher in the most recent required social studies class at the end of the semester (or the end of both semesters if applicable), a minimum cumulative 4.0 GPA, and a recommendation of the most recent Social Studies teacher.**

Minimum of an A in the most recent required Social Studies class at the end of the semester (or both semesters if applicable), a minimum cumulative 3.50 GPA, and a recommendation of the most recent Social Studies teacher. The AP World History course is an honors level course that focuses on developing students' understanding of world history from 1200 to the present. All students in the course are required to take the exam. Students will be analyzing college level readings throughout the entirety of the course. The course has students investigate the content of world history for significant events, individuals, developments, and processes in six historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides five themes (interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; development and transformation of social structures) that students explore throughout the course in order to make connections among historical developments in different times and places encompassing the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania. Students are required to take the Advanced Placement exam that is administered in May. Students will be assessed the fee set by the College Board. The estimated fee is \$95.

Juniors are required to take United States History. Qualified students may take Interdisciplinary US History Honors/US Literature Honors.

**SS104 US HISTORY****Required | Juniors****Yearlong Course | 1 Unit**

This course is a survey of the history of the United States from its pre-European origins to the present day. We examine the effects of European colonization and America's dependence on Great Britain; immigration and slave trade; and show the struggles of the 13 colonies to their ultimate revolution and freedom, creating the first modern democracy. We trace the growth and challenges of the early 1800s and follow the causes of the American Civil War and its aftermath. In the late 1800s, the west is settled and the native population declines; industrialization again flourishes and the result is wealth and the rise of the progressive movement. Americans seek to join the race for imperialism and a modern 20th century United States emerges. From this new century, we evaluate America's response to international events of world wars, fears of communism and terrorism. We also show the domestic challenges faced due to issues such as racism, gender roles, economic problems, and a changing political landscape. Students use primary sources, geography activities, relevant films, readings and class participation to fully engage in the history of our country.

**SS193H US HISTORY (HONORS)****Elective | Juniors****Yearlong Course | 1 Unit****Fulfills U.S. History requirement**

**95% or higher for the first semester in their sophomore social studies course; cumulative GPA of 3.75; teacher recommendation.**

Honors U.S. History is a college-level course, with the goal of investigating the history of the United States from its First People origins up to the present day. Students will be held to high levels of academic rigor, and will be expected to participate in a variety of historical analyses, including: The study of primary and secondary sources, analysis of historical bias and agency, and an investigation of important questions regarding our country and its people. Students may take this course for St. Louis University 1818 credit.

**Please note: This course will be offered only if registration requests warrant it.**

**SS192H INTERDISCIPLINARY US HISTORY/US LITERATURE (HONORS)****Elective | Juniors****Yearlong Course | 1 Unit****Fulfills U.S. History requirement**

**95% or higher for the first semester in their sophomore social studies course; cumulative GPA of 3.75; teacher recommendation. Approval from both English and Social Studies Departments is required.**

This course is designed for the student who shows a passion for historical inquiry and a strong desire to develop college-level historical thinking and research skills through the lens of American History. This course will examine the relationship between the past and the present through a study of the people, cultures, and social structures of the United States. Students will learn and develop skills through independent research and the evaluation, analysis, and interpretation of primary and secondary sources. Students will be expected to participate in class discussions and produce college-level, research-based papers and projects that demonstrate their learning. Students may take this course for St. Louis University 1818 credit.

**SS111 AMERICAN POLITICS AND THE CONSTITUTION****Required | Seniors****Semester Course | .50 Units**

Seniors are required to take one semester course in American Politics and the Constitution. Qualified seniors take American Politics Honors.

This course is an introduction to the essentials of the American political system: how the political system works, how it addresses the needs of American citizens, and how Americans can influence and change government policy. Students use a textbook, current periodicals, newspapers, the Internet and other sources as they defend positions. Students participate in debates, discussions, and write papers.

**SS194H AMERICAN POLITICS (HONORS)****Elective | Seniors****Semester Course | .50 Units****Fulfills American Politics requirement**

**95% or higher for the first semester in their sophomore social studies course; cumulative GPA of 3.75; teacher recommendation.**

The focus of this course is on the operation of American national government. Students develop analytic perspectives for interpreting, understanding and explaining the politics of the United States. The course covers the policy-making institutions such as legislative, executive and judicial branches, as well as public opinion and the media. Students study foreign policy, political parties, elections and voting, civil liberties and rights, and the budget. Students may take this class for UMSL ACP credit.

**SS110H EASTERN CULTURES (HONORS)****Elective | Juniors and Seniors Semester Course | .50 Units****95% or higher for the first semester in the most recent social studies course; cumulative GPA of 3.75; teacher recommendation.**

This course is designed to introduce students to selected non-Western nations. The focus of the course is on the civilizations and current issues facing the countries of South Asia, East Asia, Russia and the Middle East. Following an in depth look at international agencies that deal with current situations, the course studies the history, culture and people of these civilizations. Through lectures, videos and a variety of student projects, it is hoped that the students will gain a greater appreciation for these areas of the world and see the world from a new perspective. Students interested in international relations would greatly benefit from this course. **Eastern Cultures (Honors) will be offered in the 2022-2023 school year.**

**SS133 HISTORY OF THE CIVIL WAR****Elective | Juniors and Seniors Semester Course | .50 Units****Minimum of an A in the most recent required Social Studies class, a minimum cumulative 3.0 GPA, and a recommendation of the most recent Social Studies teacher.**

This course will allow students to examine one of the most important formative eras of our country, the Civil War, and examine its causes and impact in modern times. This class will examine the beginnings of the war, starting with the importation of slavery, moving through the abolition movement, and into the war itself. Students will use primary and secondary documents along with documentaries and historical films to examine the battles, the politics, and the everyday life that occurred during this time. Students will also analyze how St. Louis helped to shape the war, with investigations into local sites of historical importance such as the Old Courthouse, Saint Louis University (the site of Camp Jackson) and Lyon Park (the site of the St. Louis Arsenal). Students will be expected to analyze the importance of this time in our nation's history, and explain how the impact of this era can still be seen, and felt, today. **History of the Civil War will not be offered in the 2022-2023 school year.**

**SS140 HERSTORY****Elective | Sophomores - Seniors Semester Course | .50 Units**

HERstory will explore how the role of women in history has and has not changed within the United States. While studying the role of women and their impact on pivotal periods we will also focus on the divide and unity of women within different classes, ethnicities, and races. Through close readings and analysis of particular women, students will discover how time can reveal and conceal the realities of women's history. **HERstory will be offered in the 2022-2023 school year.**

**SS203 MONEY AND POWER****Elective | Sophomores - Seniors Semester Course | .50 Units**

Money and Power is a macro-economics course that is focused on the effects of the economy on people, government and society specifically through money and power. Rather than examining individual economic patterns that tend toward mathematics and business, this course will focus on the study of large-scale economic systems, how those economic systems affect and are affected by political systems, and the ways in which economic systems shape our everyday lives. **Money and Power will not be offered in the 2022-2023 school year.**

**SS103 INTRODUCTION TO PSYCHOLOGY****Elective | Juniors and Seniors Semester Course | .50 Units**

This is an introductory course on the various aspects of psychology that are important in everyday life. Topics of study in this course include the biological basis of psychology, learning and memory, social psychology, motivation, emotion, and personality, abnormal psychology, and research methods. Students will evaluate and interpret research articles and differing perspectives in psychology, study psychological experiments, and participate in class demonstrations. Students will learn the fundamentals of psychology through class discussion, scholarly articles, investigations, research, and examining their own thoughts, feelings, and behaviors.

**Introduction to Psychology will not be offered in the 2022-2023 school year.****SS131 INTRODUCTION TO SOCIOLOGY****Elective | Juniors and Seniors Semester Course | .50 Units**

This is an introductory course that explores social interaction, inequality, institutions, and societal change. Topics of study in this course include norms and deviance, race, gender and class, education and government, social movements, and the media. Students will evaluate sociological theories, study sociological experiments, and participate in class demonstrations. Students will study sociological concepts through traditional and project-based learning, with emphases on research, group work, and everyday applications.

**Introduction to Sociology will be offered in the 2022-2023 school year.****SS202 BLACK HISTORY****Elective | Juniors-Seniors Semester Course | .50 Units**

This course will provide students with a history course that focuses on the history of Black individuals, groups, and cultures. In this course, students will explore a variety of topics relating to Black history spanning different times and places. This course will examine the relationship between the past and present through a study of the people, cultures, and social structures of the United States. Students will learn and develop skills through independent research and the evaluation, analysis, and interpretation of primary and secondary sources. Students will be expected to participate in class discussions and produce college-level, research-based papers and projects that demonstrate their learning. College credit is available through the University of Missouri – St. Louis.

**SS202H BLACK HISTORY HONORS****Elective | Juniors-Seniors Semester Course | .50 Units****95% or higher for the first semester in the most recent social studies course; cumulative GPA of 3.75; teacher recommendation.**

This honors level course will follow the curriculum of general level Black History with the addition of college-level reading and concepts. College credit is available through the University of Missouri – St. Louis.

**SS204 THE '60S AND BEYOND****Elective | Junior and Seniors Semester Course | .50 Units**

This course will provide students with a focused learning experience on the modern world. This course will begin with the resolution of World War II and continue to the present. This course will examine the global political, economic, and cultural developments since World War II that continue to shape our lives today. Course topics may include the Cold War, social, cultural, political, and intellectual movements, and the creation of the Internet. The content of this course will change with different instructors. This flexibility allows instructors to customize the class to their strengths, and to the students' interests. **The '60s and Beyond will not be offered in the 2022-2023 school year.**

**SS108 THE CLOSE-UP EXPERIENCE****Elective | Sophomores, Juniors, Seniors Quarter Course | .25 Units**

This unique opportunity offers students the chance to spend a week in Washington D.C. as a part of the Close-Up Program. The course includes seminars with government officials, activities involving the many monuments and historical sites, discussion with students from around the country, and independent reflection. Students will be evaluated through an electronic or hardbound journal of their experience. Students will be able to sign up for this course through the Social Studies department outside of the registration period.

**SS201 TOPICS IN HISTORY****Elective | Sophomores-Seniors Semester Course | .50 Units**

Have you ever been interested in a topic in history but haven't covered it in a history class? This is the class for you! This project-based course will provide students with an opportunity to explore a topic of their choice while developing the skills of thinking like a historian. This course is designed to cultivate individual student's interest while teaching, developing, and refining research skills. Students will work with primary and secondary sources identify the perspective and points of view of sources, work with the teacher to develop and implement a research plan. The students will be able to showcase their work in traditional and nontraditional formats while building on their expertise of the topic throughout the semester. Through their work on a single research project for the semester, students will achieve success in their culminating project but also through their confidence in showcasing their research. Topics in History provides an opportunity for students that have a passion to learn while also developing the skills necessary to take them far in any discipline. This course is offered on an annual basis.

## WORLD LANGUAGES

The World Languages Department requirement for graduation is a two-year study of the same language. Four years are strongly recommended. The department offers five years of French, German, Mandarin, and Spanish. Honors courses are offered in the third and fourth levels. AP (honors) is considered the fifth level.

Students are expected to complete two consecutive years of a language beginning freshman year. In their junior year, students are encouraged to continue their studies by selecting the next level of their current language and/or begin to study an additional language.

It is sometimes possible for students with prior exposure or study to advance to a higher level of that language. Decisions for advancement are based on the results of an examination and department approval. To move to an honors class, an A- or better in the current language class and/or department approval are required. To continue in an honors class, we require a B in the current honors class and/or department approval.

College credit can be earned through Saint Louis University's 1818 Advanced College Credit Program in the third and fourth year honors courses.

### WORLD LANGUAGE LEVEL I

*WL501* FRENCH I

*WL503* GERMAN I

*WL530* MANDARIN I

*WL500* SPANISH I

**Required | Freshmen**

**Yearlong Course | 1 Unit**

Students in Level I begin to develop communicative competence through intense vocabulary acquisition and pronunciation practice. They acquire knowledge of the basic linguistic framework of the language. Students are able to use memorized material in a socially appropriate manner in conversations and written settings. They become acquainted with the target culture and begin to make comparisons and connections between the target culture and their own.

### WORLD LANGUAGE LEVEL II

*WL505* FRENCH II

*WL507* GERMAN II

*WL531* MANDARIN II

*WL504* SPANISH II

**Required | Sophomores**

**Yearlong Course | 1 Unit**

**Prerequisites | Level I Course**

Students in Level II continue to develop their control of communicative functions and expand their cultural awareness. They engage in more elaborate conversations; ask for and provide information; express simple feelings and emotions; and exchange opinions based on material studied in class. They can understand and interpret short written and spoken language samples on familiar topics. They begin to develop control over the linguistic framework of the language.

### WORLD LANGUAGE LEVEL III

*WL510* FRENCH III

*WL511* GERMAN III

*WL532* MANDARIN III

*WL508* SPANISH III

**Elective**

**Yearlong Course | 1 Unit**

**Prerequisites | Level II Course**

**Department approval required**

Level III students refine their control over the linguistic framework of the language to permit them to begin the transition from the novice to the intermediate level. They can carry out written and oral communicative functions using language they have created. They demonstrate control of present tenses and some past tenses. They practice presenting information to an audience. They investigate the target culture through comparisons, connections, and communities.

### WORLD LANGUAGE LEVEL IV

*WL516* FRENCH IV

*WL513* GERMAN IV

*WL533* MANDARIN IV

*WL514* SPANISH IV

**Elective**

**Yearlong Course | 1 Unit**

**Prerequisites | Level III Course**

**Department approval required**

Level IV students continue to refine their control over the linguistic framework of the language and apply this knowledge to their written and oral interpersonal communication. They work toward communications of extended length. They can express themselves in present, past, and future time frames. They demonstrate an understanding of the salient elements of the target culture and begin a more formal study of literary content and history of target language areas. They strengthen their awareness of the nature of language through comparisons between the target language and their own. They use their language skills both within and beyond the school setting.

## HONORS COURSES

*WL510H* FRENCH III (HONORS)

*WL511H* GERMAN III (HONORS)

*WL532H* MANDARIN III (HONORS)

*WL508H* SPANISH III (HONORS)

**Elective**

**Yearlong Course | I Unit**

**Prerequisites | Level II of the language**

**Department approval required**

Honors Level III students will gain a thorough understanding and control of previous materials covered and will be expected to master additional concepts and topics and complete a semester project. The Honors Level III courses conform to the curriculum expectations of Saint Louis University through which students may choose to earn college credit.

University liaisons visit the classes periodically and confer with the instructors. The course provides an enriched learning environment, demanding levels of student performance and additional requirements for creative projects and independent research.

*WL516H* FRENCH IV (HONORS)

*WL513H* GERMAN IV (HONORS)

*WL533H* MANDARIN IV (HONORS)

*WL514H* SPANISH IV (HONORS)

**Elective**

**Yearlong Course | I Unit**

**Prerequisites | Level III Honors**

**Department approval required**

Honors Level IV students will gain a thorough understanding and control of previous materials covered and will be expected to master additional concepts and topics and complete a semester project. The Honors Level IV courses conform to the curriculum expectations of Saint Louis University through which students may choose to earn college credit. University liaisons visit the classes periodically and confer with the instructors. The course provides an enriched learning environment, demanding levels of student performance and additional requirements for both creative projects and independent research.

*WL522H* AP FRENCH LANGUAGE & CULTURE (HONORS)

*WL525H* AP GERMAN LANGUAGE & CULTURE (HONORS)

*WL520H* AP SPANISH LANGUAGE & CULTURE (HONORS)

**Elective**

**Yearlong Course | I Unit**

**Prerequisites | Level IV Honors or Department approval**

This course aims to develop a student's communication skills in real-life settings. The student will become familiar with the AP Language and Culture Exam format and practice strategies while reinforcing and improving reading, writing, listening, speaking, and critical thinking. Such skills are not only required for success on the exam, but also for advanced-level communication. This course also engages students in an exploration of culture and current topics through a careful study of readings and audio-visual materials. Students are required to take the Advanced Placement exam that is administered in May. Students will be assessed the fee set by the College Board. The estimated fee is \$95.

## ELECTIVES

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### EL1008 LEADERSHIP

**Elective | Sophomores-Seniors Semester Course | .50 Units**

Students will explore the belief that leaders are developed, not born. Activities will include reading and reflecting on leadership articles and quotes; interviewing/shadowing leaders; reading current leadership books for discussions; discovering personal talents; and working effectively to plan service projects for both the Nerinx Hall community and for an outside agency. Students should expect frequent reading and writing projects.

### EL1007 FRENCH EXCHANGE-HOMESTAY PROGRAM

**Elective Rising Sophomores, Juniors, Seniors**

**Quarter Course | .25 Unit**

**(Students are not required to take French to participate)**

The French Exchange program is a long-standing and unique cultural experience with the Lycée Notre Dame high school in Chartres France, an hour southwest of Paris. Participants correspond with their French penpal before hosting them in Saint Louis for 2 weeks. Then in late May, our students travel over to stay with their penpal for 2 weeks before visiting Paris.

Students discover French history and culture first hand, visiting historic Chartres (famous for its cathedral), shadowing at school, and on family outings. They travel to the American Cemetery and Omaha Beach in Normandy, and stay overnight in a monastery before going to Mont Saint Michel. The third week, staying in Paris, includes visits and tours of major monuments and museums, as well as eating out and shopping off the usual tourist grid, where students refine their spoken French, and translate for other students who do not take French. Students keep a journal of activities, observations, photos and memorabilia that culminate in a project, display, or presentation upon return to school.

**Trip spaces are limited to students having hosted their French Penpal, and according to their years of French Study.**

### EL1006 YEARBOOK

**Elective | Sophomores-Seniors Yearlong Course | .25 Units**  
Hybrid/Online Class

This class produces *The Key*, Nerinx's student yearbook. Each year's school memories and events are visually recorded in a volume of *The Key*. Students work to strengthen their writing skills (for articles, headlines, photo captions, and other feature material). Students also gain valuable experience in page and graphic design and computer layout. Students will build useful, real world skills in time management, teamwork, and design principles. Being an online/hybrid class, a high level of personal initiative and reliability is a must. Each class member is responsible for producing her own allotment of pages, plus helping with other efforts, which contribute to the yearbook's completion. Each member of the class will be asked to photograph various school activities and sporting events. The class will have mandatory meetings as needed, but a great deal of the production work must be done on the student's own time. Students receive an actual grade for the class based on their performance on assignments, laying out their pages, and meeting deadlines. The class can be taken in consecutive years and is encouraged when students make the commitment to producing the annual publication.

## SUMMER COURSES 2022

### REMINDERS

Please remember that academic credit is given for summer courses at Nerinx Hall. Therefore, daily attendance is required. Check your calendar carefully before registering for summer classes. Students who have planned time away should not register for a summer class. Enrollment is determined on a first-come, first-served basis. Registration is online via Google Form available to students beginning February 18, 2022. Tuition for courses is listed below. **Students who register and do not attend and have not officially withdrawn will be billed for the cost of the summer class.**

**Please note: A \$50 course change fee will be assessed for summer course registration withdrawal after March 25.**

**Summer Classes will not meet June 20<sup>th</sup> (Juneteenth Holiday)**

#### CS100SS INTRODUCTION TO COMPUTER SCIENCE

Required | Freshmen

Summer Course | .50 Units

June 6-June 30 | Monday-Friday 8:30-11:00 am June 6-June 30 | Monday-Friday 11:30 am – 2:00 pm Tuition | \$400 + book

The course will introduce all freshmen to their laptop computers and help them become familiar with its operation. The course begins with the topic of touch-typing to introduce correct typing technique and to increase typing speed and accuracy. Several different types of software applications will be explored, with projects involving word processing, data processing (including the use of formulas and charts), and image manipulation. Students will also become familiar with the classroom specific software such as Canvas and PowerSchool. In addition, the topics of computer history, computer hardware, and the basic structure of the Internet will be introduced. The binary number system and its use in computers will be discussed. Students will convert between binary, decimal, and hexadecimal number systems on an introductory level. Students will be introduced to 3D printing and be expected to complete a printing project as part of their course grade.

#### CS205SS GAME PROGRAMMING AND VIRTUAL REALITY

Required | Sophomores-Juniors

Summer Course | .50 Units

Prerequisite | Computer Science I

June 6-June 30 | Monday-Friday 11:30 am – 2:00 pm

Tuition | \$400 + book

This course teaches the foundations of creating video games with an emphasis on helping students develop logical thinking and problem-solving skills. Students will also learn the basics of building virtual reality worlds using HTML and the A-Frame JavaScript Library. Students will build their own virtual reality worlds that are compatible with VR devices, including smartphone VR headsets.

#### TH705SS SACRAMENTS, ENCOUNTERS WITH CHRIST

Required | Juniors

Summer Course | .50 Units

June 6-June 30 | Monday-Friday 8:30-11:00 am

Tuition | \$400 + books

This course provides students the opportunity to encounter Christ fully and in a concrete way. The focus of this course is to help the students to learn about the seven Sacraments of the Church, especially the Eucharist, the central sacrament of belonging.

The course also explores the history, scriptural foundation and current practices of the sacraments. In order to enable them to more fully participate in them. It helps students to examine what it means to be a person of faith and a member of the Catholic community in the twenty-first century. In addition, students are invited to incorporate Loretto values into their lives and future journeys as Loretto women.

Daily attendance is mandatory.

#### FA880SS HUMANITIES (SUMMER COURSE OFFERING)

Elective | Incoming Juniors & Seniors

Summer Course | .50 Units

May 31 – June 30 | Tuesday/Thursday 5:00 - 8:00 pm Trip Dates: Tentative departure date – July 5

Tuition: \$400 + cost of trip + book

This team-taught course explores the role of the fine arts in relation to society through chronological study from Ancient to Modern times in Western Civilization. Information concerning the basic elements and concepts of appreciation for evaluation of visual art, architecture, music and theatre are included. Students discuss and write about their aesthetic responses. Students may take this course for SLU 1818 College Course.

#### FASS OIL PAINTING I & II

Elective | Incoming Freshmen-Seniors

Summer Course | .25 Units

June 1 – June 22 | M, W, F 1:00 - 4:00 pm Tuition | \$200 + course fee of \$60 to cover cost of art supplies, instructional and/or reference books.

Students will begin working in oil by painting still life. Emphasis will be on color, value and shape. Students will learn the basics of oil painting, from creating a painting support to developing images in oil. Some classes will permit outdoor painting; supplies provided. This course is offered in the summer.

#### FA852SS & FA854SS WHEEL THROWING I/II

Elective | Incoming Freshmen-Seniors

Summer Course | .25 Units

May 31 – June 30 Tuesday & Thursday 1:00 – 4:00 pm

Tuition | \$200 + course fee of \$55 to cover cost of art supplies, instructional and/or reference books.

This course is designed for all levels and will develop skills of throwing on the potter's wheel. Through the course, we will concern ourselves with functional vessels, lids, and handles.

## COUNSELING

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The Counseling Department at Nerinx Hall provides support for student success in academic and personal growth by facilitating the development of academic skills, self-awareness, self-advocacy and decision-making skills. Counselors guide students to identify strengths through a variety of assessments and reflections including standardized tests and inventories and explore options to aid in planning for postsecondary education. Additionally, students with diagnosed learning disabilities or health impairments meet with the learning specialist individually or in small groups.

**Freshmen** students meet individually and in small groups with their academic and wellness counselor to assess, develop, and strengthen academic and social-emotional skills important to navigating the changes and challenges of high school. College counselors meet with freshmen to introduce them to the college process.

**Sophomores** meet with their academic and wellness counselors individually and in small groups and, in collaboration with the health teachers, the counselors present the wellness curriculum. College counselors also meet with sophomores to advance college and career exploration using a variety of assessments and other tools.

**Juniors** and their parents meet with college counselors at a first semester evening program for the College Counseling Kick Off. In second semester college counselors meet individually with juniors and their parents to formalize steps for college research and selection.

### Jump Start

Prior to the start of fall classes, seniors may participate in a fee-based, one-week workshop designed to organize their college research, begin college applications, develop or complete college essays and sharpen their resumes. Other topics include requesting teacher letters of recommendation and financial aid.

Registration in the spring is required.

**Prerequisites:** Attend individual meeting with college counselor and parent/guardian in 3<sup>rd</sup> quarter of junior year, start college research, visit at least one college campus and develop a list of potential colleges.

**Seniors** meet with their college counselor individually and in small groups first semester to execute college applications or complete other activities related to postsecondary planning. Meetings continue throughout second semester as seniors finalize their plans.

## COLLEGE CREDIT PROGRAMS

### SAINT LOUIS UNIVERSITY'S 1818 ADVANCED COLLEGE CREDIT PROGRAM

#### SLU 1818 GPA Requirements:

11th and 12th grade students - 3.0 GPA or above or 2.5-2.99 with parent and school permission

10th grade students - 3.0 GPA and parent and school permission

This program is offered to high achieving high school juniors and seniors who have the ability, motivation and maturity to begin their college education before completing their high school work. Sophomores in Level III Honors World Languages may register for college credit but must see the Nerinx Hall 1818 Coordinator early in the University registration period. Parents of sophomores and their daughters must sign and return a completed form to the Nerinx Hall 1818 coordinator. Saint Louis University automatically accepts all course credit earned through 1818 Advanced College Credit Program. All grades earned will be computed into the student's undergraduate grade point average. The grading scale at Saint Louis University will not necessarily correspond to the scale used by Nerinx Hall. Students should check with their teachers to learn how and what final grade will be determined and reported to Saint Louis University.

No course may be dropped from or added to a transcript after the completion of a course. After a student has graduated from high school, she should request the university to transfer her college credits to the

institution she will attend. Students are advised to check with the college of their choice to verify the acceptance of 1818 credit. There are two registration periods: August/September and December/January. Eligible students register for credit based on the term the course begins.

Students may earn three credit hours for approved History, English, and World Language courses each semester. Exception: students in U.S. Literature Honors or in third year World Languages Honors earn three credits for the entire year and register in August/September. Students enrolled in the fourth level, honors, of their language course may earn three credits per semester by registering with Saint Louis University each semester of that course. Students must register in the fall for AP Calculus or AP Physics if they wish to earn university credit for the course. Students may register for up to 18 credits per semester. Complete information about Saint Louis University 1818 policies, dates, and procedures is available at <http://www.slu.edu/1818>. Payment for college credit courses is made directly to the university after the student completes her registration. Students receive billing notification from Saint Louis University.

#### The following Nerinx courses are approved for college credit through Saint Louis University:

English: US Literature Honors, (with or without Interdisciplinary); Senior Writing Honors, Women Film/Fiction Honors, AP English Literature; Social Justice and Genre Fiction Honors

Fine Arts: Humanities (Honors); Drawing I

Math: Calculus Honors, PreCalculus Honors

Science: AP Physics Honors, Senior Physics Honors

Social Studies: US History Honors (with or without Interdisciplinary);

World Language: French, German, or Spanish III Honors or IV Honors

### UNIVERSITY OF MISSOURI-ST. LOUIS ADVANCED CREDIT PROGRAM

#### UMSL ACP GPA Requirements:

11th and 12th grade students - 3.0 GPA or above or 2.5-2.99 with parent and school permission

10th grade students - 3.0 GPA and parent and school permission

Through Continuing Education-Extension, UMSL offers college credit courses for high school juniors and seniors at selected high schools. College freshman level courses are offered in which the content is identical to the on-campus course content. Students receive the privileges of UMSL students during the term of their enrollment in Advanced Credit Courses, and may attend special class meetings and other events on the UMSL campus. Payment for college credit is made directly to the UMSL. Registration takes place in September and in January.

Students in the following courses may register for college credit through UMSL ACP:

Advanced Drawing

American Politics Honors

Anatomy and Physiology (must register during the August/September registration period)

Black History Honors

Calculus Honors (must register during the August/September registration period)

Introduction to Gender Studies (Students registering for UMSL credit will receive credit through Social Work, History or Sociology department.)

Painting II

Senior Drawing

World Religions (Students registering for UMSL credit will receive credit through the Philosophy department.)

### ADVANCED PLACEMENT EXAMS

Students enrolled in AP courses will be required to take the AP exam. Please note that each exam is estimated at \$95. Advanced Placement tests are administered in May on dates established by the College Board. These tests, produced by the College Board, provide an opportunity to earn either an advance placement in selected college classes or college credit. Each college or university determines its own policies about placement or credit.

Registration for these tests must be completed by mid- September of the school year they are to be taken. Specific dates will be announced in the parent newsletter, on the school morning show, and through email. Contact the Counseling Department if you have additional questions or visit the College Board website at <http://www.collegeboard.org>.

AP Computer Science Principles

AP English Literature

AP Studio Art: 2D Design

AP Studio Art: 3D Design

AP Art History

AP Drawing

AP Music Theory

AP Calculus AB

AP Calculus BC

AP Statistics

AP Biology

AP Chemistry

AP Physics

AP World History

AP French Language & Culture

AP German Language & Culture

AP Spanish Language & Culture

## CAMPUS MINISTRY

Campus Ministry at Nerinx Hall strives to form students according to the Loretto values of faith, community, justice, and respect. We keep at the center of students' school experience the Loretto the charism of loving service. We aim to love students just as they are and to help students grow into even healthier, more joyful, more loving servants for the world. Students take active roles in planning and leading daily prayer, monthly all-school liturgies, prayer services, and retreats.

### RETREATS

Our retreats provide fun, powerful opportunities to grow closer to classmates, to God, and in knowledge of oneself. All retreats are planned and led by students. Freshmen attend a full-day retreat off-campus. Sophomores attend an overnight retreat. Juniors attend a 2 night retreat. Seniors attend a 2 night retreat at Our Lady of the Snows. Because the spiritual and faith formation of our young women is

so vitally important as a part of their life journeys, participation in each of the four school-sponsored retreats is a requirement for graduation.

### CAMPUS MINISTRY CONVERSATIONS (CMC)

Our mission is to form young women to be servant leaders, ready to make their mark on the world. Just as students have regularly scheduled individual meetings with the Counseling Department for their academic needs, college prep, and mental/emotional needs throughout their four years here, as a part of our Campus Ministry program, we have Campus Ministry Conversations (CMC). Juniors & Seniors will meet 1-on-1 with The Director of Campus Ministry or the Director of Service Learning, to touch base on their goals for personal or spiritual growth in the semester ahead. Junior CMCs will take place at the beginning of their junior year to reflect on their first two years of high school and their spiritual goals for the final two

years. Seniors CMCs will take place during their final semester for a chance to reflect on their growth during their time at Nerinx, and look ahead to how they are going to continue to live their values, nourish their spirit, and make their mark on the world. These conversations will largely be guided by how each individual student finds themselves wanting to grow in their ability to be a servant leader ready to make their mark on the world, and we are excited to work with students in this intentional, personal way! Participation in CMCs is a required part of students' formation and a requirement for graduation.

## SERVICE LEARNING PROGRAM

The Nerinx Hall Service Learning Program carries on the Loretto tradition of pioneering women seeking areas of need in our world and working for justice by promoting the dignity of others. Each young woman is called to action that responds to areas of deep human need, challenges the dehumanizing aspects of her world, increases awareness of ecological concerns and promotes a just peaceful society.

The Service Learning Program strives to offer students the opportunity to serve others in response to the Gospel call.

### Yearly Service Learning Requirements

The yearly service hour requirement will guide students to incorporate the habit of service into their daily lives.

Freshmen	15 hours of service; 5 of which may be to the Nerinx community
Sophomores	20 hours of service; 10 of which may be to the Nerinx community
Juniors	25 hours of service; 10 of which may be to the Nerinx community
Seniors	For their Senior Service Learning Program Capstone, students complete 30 hours of service at a single location or service site.

### Expectations

The Service Learning Program strives to differentiate service from volunteering. Volunteering is the giving of one's time to others. Activities that meet the yearly service hour requirement at Nerinx Hall focus on service which is, seeking opportunities to respond to areas of deep human need, challenging the dehumanizing aspects of our world, increasing awareness of ecological concerns and promoting a just peaceful society. Through this program our students participate in service that takes them deeper than volunteering.

Students can also meet their required hours through participation in the Nerinx Hall Social Impact Program. Nerinx Hall strives to help students find their purpose by connecting them to the broader community. Using the power of hands-on learning this program aims to prepare students for leadership in their communities and society. Through new and existing partnerships with St. Louis area organizations, the program allows students to engage with diverse partners, learn from civic leaders, tackle projects with community impact, and put their creative ideas into action for lasting social benefit. This program focuses on four pillars: for service learning, civic engagement, social justice and social entrepreneurship.

### Social Justice

Students recognize the dignity of all people and use their voice to challenge systems that do not allow people to flourish in our society.

### Civic Engagement

Students learn how to become involved in civic organizations, to learn about the process of government and the opportunities to get involved in the process.

### Service Learning

Students are called to action that responds to areas of deep human need, challenges the dehumanizing aspects of her world, increases awareness of ecological concerns and promotes a just peaceful society.

### Social Entrepreneurship

Students participate in social entrepreneurship, which supports individuals with innovative solutions to society's most pressing social, cultural, and environmental challenges while using business and collaborative strategies.