



2024-2025

Program of Studies & Academic Guide

Introduction

Welcome to the Nerinx Hall Program of Studies. This guide outlines the ways in which our academic program supports the holistic development of our students for their entire four years. Our curriculum is college-prep to its core — offering challenging and innovative courses that allow students to explore their passions and pursue their interests. The Program of Studies describes the courses that are currently offered at Nerinx Hall.

Mission Statement

The mission of Nerinx Hall is to cultivate empowered women who pursue academic excellence within a diverse community, forge a path towards social justice, and grow in knowledge of themselves and their world.

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Graduation Requirements

| Courses | Units | Classes of '25, '26, '27 | Units | Class of '28 & beyond |
|-------------------------------|--------------------|---------------------------------|-------------------|----------------------------------|
| Theology | 4 Units | | 4 Units | |
| Computer Science | 1 Unit | | 1 Unit | |
| English | 4 Units | | 4 Units | |
| Fine Arts | 1 Unit | | 1 Unit | |
| Health & Physical Education | 1.25 Units | | 1 Unit | |
| Mathematics | 3 Units | | 3 Units | |
| Science | 3 Units | | 3 Units | |
| Social Studies | 3 Units | | 3 Units | |
| World Languages | 2 Units | | 2 Units | |
| Electives | 4 Units | | 4 Units | |
| Nerinx 101 | | | .5 Unit | |
| Total Credits Required | 26.25 Units | | 26.5 Units | |

Campus Ministry

1 school-sponsored retreat per year

Campus Ministry Conversations Junior & Senior Year

Service Learning Program

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

Four-Year Planning Process

The four-year plan is a road map created to chart a student's course of study through high school. It begins with the selection of freshman courses and is revised and refined annually in collaboration with the student's counselor to ensure that this individualized program meets the needs, interests, and goals of the student.

The four-year plan should include all graduation requirements. It should also be well-rounded, an appropriately challenging program that balances core academic courses with electives. Never losing sight of post-high school aspirations and interests.

The worksheet on page 4 is used to create the four-year plan. The student's counselor is a key resource in mapping out the student's program and helping the student make adjustments along the way. Each year in January, all students have a meeting with their counselor to look at and update the four-year plan when selecting courses for the next school year. Keep in mind that a student's four-year plan will change over time as needs and interests evolve.

Required vs Recommended Courses

In some instances, two or three credits are required for certain courses for graduation from Nerinx Hall, but four credits are recommended. For example, The University of Missouri system requires four years of high school math.

With thousands of universities in the United States, there are always exceptions to the above. Nerinx Hall students should strive for a schedule that provides optimal, appropriate academic challenges while still allowing time for activities they choose to enrich their lives.

NCAA Eligibility

Students attending Nerinx Hall who are interested in pursuing athletics at the collegiate level, will meet the requirements put forth by the NCAA by following the academic program required.

FOUR YEAR PLAN

Shaded boxes indicate the student's choice. Please note, that while only three units of Math, Science, and Social Studies are required for graduation, Nerinx Hall recommends students take four units in core subjects as required by many colleges and universities.

| | Grade 9 | Grade 10 | Grade 11 | Grade 12 |
|---|---|---|--|--|
| THEOLOGY (4 credits) | Patterns of Revelation 1.0 | Meeting Christ in Word & Deed 1.0 | Foundations of Christian Morality .50 Sacraments, Encounters with Christ .50 | Christian Life Commitments .50 Elective .50 |
| COMPUTER SCIENCE (1 credit) | Computer Science I .50 | ELECTIVE (.50) | | |
| ENGLISH (4 credits) | Introduction to Composition A or B .50 Introduction to Literary Studies .50 | English 1.0 OR English Honors 1.0 OR AP Seminar English 10 Honors 1.0 | U.S. Literature 1.0 OR U.S. Literature Honors 1.0 | Required Electives 1.0 |
| FINE ARTS (1 credit) | CHOOSE ONE | | | Humanities .50 Humanities Honors .50 Humanities Summer .50 |
| | .50 EACH | 1.0 EACH | | |
| | Art Fundamentals Intro to Theatre Dance I Intro to Stage Makeup & Costume Design Intro to Technical Theatre Intro to Music Technology & Creativity | Choir Orchestra Wind Ensemble | | |
| HEALTH & P.E. (1 credit for the Class of 2028; 1.25 credits for Classes of '25, '26, '27) | P.E. ACTIVITY .50 | | | |
| | | Health Education .50 | | |
| MATH (3 credits required; 4 credits recommended) | Algebra I A or B OR Algebra I Honors OR Algebra II/Trigonometry Honors 1.0 each | Geometry A or B OR Geometry Honors 1.0 each | Algebra II 1.0 OR Algebra II/Trig 1.0 OR Algebra II/Trig Honors OR Pre-Calculus Honors 1.0 OR Advanced Pre-Calculus Honors 1.0 | |
| SCIENCE (3 credits) | Physics A or B 1.0 OR Physics Honors 1.0 | Chemistry 1.0 OR Chemistry Honors 1.0 | Biology 1.0 OR Biology Honors 1.0 | |
| SOCIAL STUDIES (3 credits) | World Studies I .50 OR World Studies I Honors .50 | World Studies II 1.0 OR AP World History Honors 1.0 | U.S. History 1.0 OR U.S. History Honors 1.0 OR A.P. U.S. History Honors 1.0 | American Politics .50 OR American Politics Honors .50 |
| WORLD LANGUAGES (2 consecutive credits required) | CHOOSE ONE (EACH 1.0) | | | |
| | French German Mandarin Spanish | French German Mandarin Spanish | | |
| ELECTIVES (4 credits) | | | | |
| STUDENT SUCCESS (.50 credit) | Nerinx 101 .50 | | | |

TOTAL CREDIT REQUIREMENT

Class of 2028: 26.5 credits

Class of 2025, 2026, 2027: 26.25 credits

Registration Timeline

- January 25** Freshman meeting with Dr. Howard and Student Success Center regarding new courses.
- January 26** Sophomore & Junior meeting with Dr. Howard and Student Success Center regarding new courses.
- Jan 25 – Feb 15** Required meeting with a counselor/learning consultant to discuss online course selection options and the student's four-year plan. Requests open at 3:05 p.m. on February 15 and close at midnight on February 19.
- Note: No student will be allowed to register if she has not completed her meeting with a counselor/learning consultant.**
- Feb 15 – Feb 19** 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 2024-2025 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** Course schedule set and purchase books.

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 2nd 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.

Grading Scale

Letter grades are given at the end of each quarter. The following grade scale is used for all courses:

- A** = superior achievement
- B** = above average achievement
- C** = satisfactory achievement
- D** = unsatisfactory achievement
- F** = failure to achieve credit

| GRADE RANGE | HONORS | REGULAR |
|----------------|--------|---------|
| 97-100 A+ | 4.83 | 4.33 |
| 93-96 A | 4.50 | 4.00 |
| 90-92 A- | 4.16 | 3.66 |
| 87-89 B+ | 3.83 | 3.33 |
| 83-86 B | 3.50 | 3.00 |
| 80-82 B- | 3.16 | 2.66 |
| 77-79 C+ | 2.83 | 2.33 |
| 73-76 C | 2.50 | 2.00 |
| 70-72 C- | 2.16 | 1.66 |
| 67-69 D+ | 1.83 | 1.33 |
| 63-66 D | 1.50 | 1.00 |
| 60-62 D- | 1.16 | .66 |
| 59 and below F | - | - |

Honor Roll

FIRST HONORS:

Students with a G.P.A. of 3.83 or higher receive First Honors. Class of 2027 and 2028 must have a GPA of 4.0 or higher to receive First Honors.

SECOND HONORS:

Students with a G.P.A. in the range of 3.33 – 3.82 receive Second Honors. Class of 2027 and 2028 with a GPA of 3.66 – 3.99 receive Second Honors.

HONORS PROGRAMS:

- House of Studies
- National Honor Society
- Missouri Seal of Biliteracy
- AP Capstone Diploma

ACE Program

ACE Program Mission

The ACE Program was developed out of the mission of the Sisters of Loretto and offers Nerinx students:

- A premier option to earn college credit through enrollment in Advanced College Credit high school courses from nationally accredited university programs.
- An opportunity to experience an introduction to college-level expectations while in high school taught by an authorized Nerinx Adjunct University instructor for our partner universities, and
- An opportunity to engage in a robust and rigorous university experience through challenging college-level curriculum while in high school.

Advanced Placement (AP Courses)

The Advanced Placement (AP) Program offers college-level courses and exams that students can take while enrolled in high school. Taking AP Courses in high school could give students an advantage in college by letting them earn college credit, earn advanced placement, save money and time, and stand out to colleges.*

- Earn College Credit
- Earn Advanced Placement
- Save Money and Time
- Stand Out to Colleges

Students that register for an Advanced Placement course are required to take the AP exam at the end of the year. Please see the Nerinx Hall High School Handbook for the full AP policy. Please visit the College Board website for more information about Advanced Placement Courses.

Cost

\$97 per test - Subject to change

Eligibility to Participate

Recommendation from current teacher in the subject area.

Registration

Students will create an account through the College Board website:
www.apstudents.collegeboard.org

Once the semester begins, AP teachers will provide their students with a Join Code, specific for their course, which students will use to register for the AP class on the College Board website.

All students must join their AP Courses on the College Board website by October 1st and teachers and the AP Coordinator will take care of everything from that point forward.

****Courses are subject to change based on enrollment.****

SLU 1818

Through Saint Louis University's 1818 Advanced College Credit program, students can jumpstart their academic careers by earning college credit for college classes while in high school. The 1818 Program is designed to engage students as college while taking classes on Nerinx's campus with Nerinx teachers. As such, the program encourages students to take responsibility for their 1818 involvement, including registration deadlines.

Cost

SLU charges \$75/credit hour - Subject to change

Eligibility to Participate

High School Juniors and Seniors - minimum 3.0 GPA on a 4.0 scale

High School Sophomores - minimum 3.5 GPA on a 4.0 scale.

High School Freshmen are not eligible to enroll in 1818 courses.

Registration is easy and accessible online via SLU's 1818 webpage. You can also visit the Nerinx 1818 webpage for more information. More detailed information will be provided at the beginning on each semester for students planning to enroll.

Please note that SLU only allows 11 credit hours/semester. Yearlong classes/credit amounts are counted in both semesters. If UMSL also offers it for credit, you may need to strategically register between both schools.

UMSL ACP

UMSL's Advanced Credit Program offers qualifying, high-caliber high school students in select schools the opportunity to earn college credits and become familiar with the college experience while still in a high school setting. All courses are taught at Nerinx by Nerinx faculty.

Cost

UMSL charges \$70/credit hour - Subject to change

Eligibility to Participate:

High School Juniors and Seniors - minimum GPA of 3.0 on a 4.0 unweighted scale; students with a 2.5-2.99 are also eligible with approval from their principal and/or guidance counselor as well as permission from a parent or legal guardian

Sophomores - minimum 3.0 GPA on a 4.0 unweighted scale (no exceptions)

Freshman - minimum 3.0 GPA on a 4.0 unweighted scale (no exceptions); have scored in the 90th percentile or above composite score on your most recent standardized test

Registration is easy and accessible online via UMSL's ACP webpage. You can also visit the Nerinx 1818 webpage for more information. More detailed information will be provided at the beginning of each semester for students planning to enroll.

****Students planning to enter pre-professional health programs or medical school should take special consideration when registering for 1818 or ACP credit science courses as these programs may not accept dual-credit coursework in these disciplines.****

| COURSE | AP | UMSL/ACP | SLU/1818 | Webster |
|--|-----------|-----------------|-----------------|----------------|
| AP Art History Honors | X | | | |
| AP Biology Honors | X | X | | |
| AP Calculus AB Honors | X | | | |
| AP Calculus BC Honors | X | | | |
| AP Chemistry Honors | X | | | |
| AP Computer Science A Honors | X | | | |
| AP Computer Science Principles Honors | X | | | |
| AP Drawing Honors | X | | | |
| AP English Language & Composition Honors | X | | | |
| AP English Literature & Composition Honors | X | | X | |
| AP French Language & Culture Honors | X | | | |
| AP German Language & Culture Honors | X | | | |
| AP Music Theory Honors | X | | | |
| AP Physics I Honors | X | | X | |
| AP Seminar English 10 Honors | X | | | |
| AP Spanish Language & Culture Honors | X | | | |
| AP Statistics Honors | X | | | |
| AP Studio Art: 2D Design Honors | X | | | |
| AP Studio Art: 3D Design Honors | X | | | |
| AP U.S. History Honors | X | | X | |
| AP World History Honors | X | | | |
| Acting III/IV | | | | X |
| Advanced College Writing Honors | | | X | |
| Advanced Drawing | | X | | |
| Advanced Pre-Calculus Honors | | | X | |
| American Politics Honors | | X | | |
| Black History Honors | | X | | |
| Calculus Honors | | X | X | |
| Drama as Literature Honors | | X | | |
| Eastern Culture Honors | | X | | |
| Environmental Science | | X | | |
| French III Honors | | | X | |
| French IV Honors | | | X | |
| German III Honors | | | X | |
| German IV Honors | | | X | |
| Introduction of Gender Studies Honors | | X | | |
| Senior Drawing | | X | | |
| Spanish III Honors | | | X | |
| Spanish IV Honors | | | X | |
| Theological Foundations Honors | | | X | |
| U.S. History Honors | | | X | |
| U.S. Literature Honors | | | X | |
| Women in Film & Fiction Honors | | | X | |
| World Religions | | X | | |

*All courses are subject to change

Honors Opportunities

Theology

Theological Foundations Honors

Computer Science

AP Computer Science Principles Honors

AP Computer Science A Honors

English

AP Seminar: English 10 Honors

Sophomore English Honors

US Literature Honors

AP English Language and

Composition Honors

Drama as Literature Honors

AP English Literature and

Composition Honors

Advanced College Writing Honors

Women in Film and Fiction Honors

Introduction to Gender Studies

Honors

Fine Arts

Humanities Honors

Dance V Honors

Honors Choir

Honors Orchestra

Honors Wind Ensemble

AP Drawing Honors

AP Studio Art: 2-D Design Honors

AP Studio Art: 3-D Design Honors

AP Music Theory Honors

AP Art History Honors

Mathematics

Algebra I Honors

Geometry Honors

Algebra II/Trig Honors

Pre-Calculus Honors

Advanced Pre-Calculus Honors

Calculus Honors

AP Calculus AB Honors

AP Calculus BC Honors

AP Statistics Honors

Science

9th Grade Physics Honors

Chemistry Honors

Biology Honors

Anatomy & Physiology Honors

AP Biology Honors

AP Chemistry Honors

AP Physics I Honors

Social Studies

World Studies I Honors

AP World History Honors

US History Honors

AP US History Honors

American Politics & Constitution Honors

Black History Honors

Eastern Cultures Honors

World Languages

French III Honors

German III Honors

Mandarin III Honors

Spanish III Honors

French IV Honors

German IV Honors

Mandarin IV Honors

Spanish IV Honors

German V Honors

AP French Language and Culture Honors

AP German Language and Culture Honors

AP Spanish Language and Culture Honors

The A+ Scholarship Program

Overview

The A+ Scholarship Program was originally implemented as a school-improvement initiative established by the Outstanding Schools Act of 1993. This program was only available to students in A+ Designated Public High Schools. Legislation passed in 2016 expanding the A+ Scholarship Program to non-public schools. Nerinx Hall High School applied for and received designation as an A+ School, thereby allowing our students to take advantage of the financial incentives available through the A+ Program.

Qualifying graduates will be eligible for paid tuition to attend any Missouri public community college or public vocational or technical school. For the 2024-2025 academic year, the maximum rate is 209.00 per credit hour. A+ eligible students may be eligible for up to six (6) credits at a Missouri Community College the summer between high school graduation and the start of the same calendar year Fall semester, even if continuing at a non-participating four-year college.

Tuition Incentives will be made available after the student has made a good-faith effort to first secure all available federal post-secondary student financial assistance (FAFSA) funds that do not require repayment. Qualifying students will receive this incentive for four semesters. A student must be considered a FULL-TIME student (12 or more credit hours) by the post-secondary institution maintaining a GPA of 2.5 or higher on a 4.0 scale. Students must complete the two years of FULL-TIME enrollment at the institution within 48 months after graduation from Nerinx Hall High School. **Tuition reimbursement is contingent upon the availability of state funds.**

NOTE: Students providing service to any branch of the U.S. armed forces can defer their eligibility beyond the 48 months if they return to full-time student status within 12 months of the end of their military service. The benefits are paid by the State of Missouri after any federal or state grant for which you are eligible is applied.

Student Eligibility

In order to be eligible for the financial incentives of the A+ Scholarship Program, Nerinx Hall High School must certify a student as having met all A+ requirements. To be certified for the scholarship, an A+ student must:

- Sign an A+ Student Agreement
- Attend an A+ designated high school for two years immediately prior to graduation.
- Graduate from Nerinx Hall High School with a cumulative GPA of 2.5 or above on a 4.0 grading scale. (Unweighted)
- Have at least a 95% attendance record overall for grades 9-12
- Achieve a qualifying score of 17 on the math section of the ACT with a 2.5 GPA; 16 with a 2.8; 15 with a 3.0.
- Perform 50 hours of unpaid tutoring or mentorship.
- Maintain a record of good citizenship and avoidance of unlawful use of alcohol and drugs.

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 charisma 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 two night retreat. Seniors attend a two 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 and 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

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. The Service Learning Program strives to differentiate service from volunteering. Volunteering is the giving of one's time to others, while service is answering the call 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. Through this program our students participate in service that takes them deeper than volunteering.

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; 10 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, providing direct service working face-to-face with people in need |

Student Success Center

Academic and Wellness Counseling

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 Counseling

The College Counseling team is made up of our College Counselors and our Writing Coach. They work closely with students and their families to provide college and career support through individual meetings, group presentations, and tailored workshops. The College Counseling team provides age-appropriate opportunities at each grade level to give early exposure that are meant to lessen student stress along the journey to college and beyond.

Nerinx 101

The Class of 2028 will be the first students to take our newest course, Nerinx 101! The course will be led by the Student Success Center staff and be an introduction to both Nerinx Hall and high school academics in general. Faculty and staff will share information on proven study skills, organizational methods, and how to get help when needed. This

course includes an introduction to Canvas and PowerSchool, and an overview of the support services offered to all students, including counseling, math and writing coaches, IT, the library, school nurse, and more. Students will also learn how to get involved in areas they are passionate about through the directors of Student Experience, Equity and Inclusion, Service Learning, and Campus Ministry.

Learning Consultant Program

The Learning Consultant provides support for neurodivergent students, parents seeking ways to support their child, and the faculty working with the students of Nerinx Hall.

The Learning Consultant considers various factors and designs a diverse array of strategies to support students, including the following:

- Partner with families seeking a Learning Profile based on a documented specific area of diagnosis. Documentation must meet the Documentation Policy as described in the handbook.
- Work with families seeking accommodations from ACT or The College Board based on the Learning Profile and documentation compliant with the written policies of the school and the test corporations.
- Regularly meet with students with a Learning Profile to provide support for academic success. It is important for the student to communicate with the Learning Consultant through email and attend meetings.
- Provide individual and small group instruction in the areas of executive function and metacognitive skills to help them organize, plan, and execute their school work and to help them understand the learning tools that work best for them.
- Support Nerinx faculty in better understanding the neurodivergent learner and research-based best practice, so faculty may employ classroom strategies that align with students' needs.

The program's primary goal is to provide fair and equal access to the curriculum by providing students with alternative ways to achieve successful learning, neither modifying course expectations nor graduation requirements.

Career Exploration

Nerinx offers career exploration opportunities beginning Freshman year. Freshmen and Sophomores are required to take introductory career inventories during standardized testing, while Juniors complete a career discovery assessment during the College Counseling process. Juniors and Seniors will work individually with their College Counselor to discuss their career aspirations and the best path forward for college and majors.

All students will participate in our bi-yearly career weeks. During this time, students will have the opportunity to hear from professionals, take field trips, and attend a career fair. All areas across the curriculum are represented in these career weeks.



2024-2025

Course Sequences and Descriptions

Nerinx Hall

Theology Course Sequence

2024-2025

Four credits required

| Grade 9 | Grade 10 | Grade 11 | Grade 12 |
|----------------------------|-------------------------------------|---|---|
| Patterns of Revelation 1.0 | Meeting Christ in Word and Deed 1.0 | Foundations of Christian Morality .5 Sacraments: Encounters with Christ .5 | Christian Life Commitments .5 <div style="background-color: #e91e63; color: white; padding: 5px; text-align: center;">Electives</div> <p>Choose one. All courses are .5 credits.</p> Death, Suffering, and Healing or Eco-Spirituality or Our Modern Church or World Religions* or Theological Foundations Honors* or Women in the Church |

*College credit through SLU or UMSL

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: 1 semester of Foundations of Christian Morality

1 semester of Sacraments, Encounters with Christ

4th Year: 1 semester of Christian Life Commitments

1 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 (CLC) is the capstone Theology course at Nerinx, focusing on personal journey and lived faith, particularly living the tenets 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.

TH814 ECO-SPIRITUALITY

Elective | Seniors Semester Course | 0.5 Units

In a world facing pressing environmental challenges, the Eco-Spirituality course explores the profound intersection of faith, ecology, and stewardship through the lens of Catholic theology. In this course students will embark on a transformative journey, deepening their understanding of ecological issues while nurturing a profound spiritual connection with the natural world. Eco-Spirituality is a comprehensive exploration of the rich tradition of Catholicism as it relates to our responsibility for the Earth. Drawing on the wisdom of scripture, theology, and the Papal Encyclical "Laudato Si': On Care for Our Common Home," this course seeks to instill a sense of ecological consciousness, moral responsibility, and spiritual connection in students.

TH815 OUR MODERN CHURCH

Elective | Seniors Semester Course | 0.5 Units

This course introduces our students to the recent history of the Catholic Church as well as a look at the identity of the church today. Special focus is placed on the events of 1962-1965 and the assembly of the Second Vatican Council, or Vatican II. Students are introduced to the life and works of the most recent leaders of the church, including Pope John Paul II, Pope Francis and Saint Mother Teresa. We also take an in depth look at the Churches role in our world today. How has Catholicism stood the test of time? What role does our church play on moral and social justice fronts today? What will our identity be in the years to come?

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.**

TH821 WOMEN IN THE CHURCH

Elective | Seniors

Semester Course | .50 Units

This course seeks to give students an overview of the role of women in the Catholic Church. The course will begin 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 wo. The study will end 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.

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.

Nerinx Hall

Business & Media Course Sequence

2024-2025

All courses are electives

| Grade 9 | Grade 10 | Grade 11 | Grade 12 |
|---------|---|--|---------------------------------------|
| | Electives | | |
| | BUSINESS ELECTIVES Accounting .5 Personal Finance .5 | | |
| | MEDIA ELECTIVES Broadcast Media .5 | | |
| | | BUSINESS ELECTIVES Entrepreneurship .5 Marketing .5 | |
| | | MEDIA ELECTIVES Beyond TikTok: How to Create Polished Videos .5 Movie Making 101 .5 | |
| | | | Video Production II (Portfolio) .5 |

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 and 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.

BC407 ENTREPRENEURSHIP

Elective | Juniors and Seniors

Semester Course | .50 Units

Entrepreneurship is your chance to design and run a business. As a group, students design and develop a product or service and then make it available. After the sales period, the company will be dissolved and any potential profits made by the company will be distributed evenly among class members at the end of the semester. There is no guarantee of profits. During the process, students will be led by the Junior Achievement Company Program which provides all support materials, guest speakers, and curriculum. There may be additional small assignments within the class exploring other relevant topics. There is a Junior Achievement competition at the end of the semester where students will present their business with other schools in the area. Students must fill out the required application in order to be considered for this class.

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. Students must fill out the required application in order to be considered for this class.

EL1053 VIDEO PRODUCTION II (PORTFOLIO)

Elective | Seniors

Fall Semester Course | .50 Units

Prerequisites | Movie Making 101 or Media Center Coordinator Signature Required

This course is for rising seniors who have taken Video Classes 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 Movie Making 101, 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.

EL1054 BEYOND TIKTOK: HOW TO CREATE POLISHED VIDEOS

Elective | Juniors and Seniors

Spring Semester Course | .50 Units

Professionals in the world of film and media engage in a rigorous production process that goes far beyond pointing an iPhone or hitting 'record' on a webcam. In this class, students will discover how to become more than just another everyday user of TikTok or Instagram. They will learn the art and technical knowledge that goes into producing advertisements and informational videos. They will study common methods used in documentaries and commercials and analyze how they are used to inform, persuade, and affect the audience. The class will also include tutorials on audiovisual equipment, cinematography, sound recording, and editing. To showcase their skills, students will create a variety of promotional videos and execute a group documentary on a real world issue of their choosing.

EL1057 MOVIE MAKING 101

Elective | Juniors and Seniors

Fall Semester Course | .50 Units

In this class, students will become visual storytellers and make professional-quality movies. This will involve learning the pre-production skills of brainstorming, screenwriting, and storyboarding; the production skills of directing, lighting, sound recording, and shooting; and the post-production skills of editing and sound mixing. Final assessments will involve the completion of three short films: the first a large group film written and produced by the whole class, the second a 3-5 minute music video completed individually, and the last a 5-7 minute narrative film of their choosing in small groups. Students will meet as a scheduled class during the first quarter and work independently in small groups during the last six weeks of the semester.

Nerinx Hall

Computer Science Course Sequence

2024-2025

One credit required; both Introduction to Computer Science and one elective are required

| Grade 9 | Grade 10 | Grade 11 | Grade 12 |
|---|---|----------|----------|
| Introduction to Computer Science .5 or Advanced Robotics and Engineering I .5 | Electives Artificial Intelligence+ .5 Cybersecurity+ .5 Game Programming and Virtual Reality+ .5 Advanced Game Programming and Virtual Reality+ .5 Introduction to Robotics and Engineering+ .5 Advanced Robotics and Engineering I+ .5 Advanced Robotics and Engineering II .5 Advanced Robotics and Engineering III .5 AP Computer Science Principles Honors 1.0 AP Computer Science A Honors 1.0* | | |

+ Grade 9 may take elective courses with departmental approval

*Only available for Grades 11 and 12

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 (or Advanced Robotics and Engineering I) 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

Elective | 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 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 related ethical issues and possible career options in cybersecurity.

CS222 INTRODUCTION TO ROBOTICS & ENGINEERING

Elective | Freshman-Seniors Semester Course | .50 Units

Prerequisite | Introduction to Computer Science or department approval

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.

CS232 ADVANCED ROBOTICS & ENGINEERING I

Elective | Freshmen-Seniors Semester Course | .50 Units

This course will expand upon all of the concepts learned in Intro to Robotics & Engineering. More advanced designs and more complex robots will be explored where students will learn physics, mechanics, electronics, programming, teamwork, and leadership. Students will team build a robot that meets the criteria of the FIRST Robotics First Tech Challenge game objective and rules. Teams will be responsible for designing and coding their robot as well as keeping an engineering notebook. Students are required to participate in the FTC competition outside of school, with qualifiers in December and January, and possible championship meets as late as March.

CS233 ADVANCED ROBOTICS & ENGINEERING II

CS234 ADVANCED ROBOTICS & ENGINEERING III

Elective | Sophomores-Seniors Semester Course | .50 Units

Prerequisite | Introduction to Computer Science and Advanced Robotics & Engineering I

Students in Advanced Robotics and Advanced Robotics II & III will collaborate to team build a robot that meets the criteria of the FIRST Robotics First Tech Challenge game objective and rules. Advanced designs will be explored where students will learn physics, mechanics, electronics, programming, teamwork, and leadership. Teams will be responsible for designing and coding their robot as well as keeping an engineering notebook. Students are required to participate in the FTC competition outside of school, with qualifiers in January, and possible championship meets as late as March.

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 learn object-oriented programming and 3D game design while incorporating assets, materials, textures, animation, and sound effects. Students will also learn the basics of building interactive virtual reality worlds that are compatible with VR headsets.

CS206 ADVANCED GAME PROGRAMMING AND VIRTUAL REALITY

Elective | Sophomores-Seniors Semester Course | .50 Units

Prerequisite | Game Programming and Virtual Reality

This course builds on the foundations of creating video games with the Unity 3D Game Engine. Students will use object-oriented programming in C# and 3D game design to create their own game with the option to incorporate virtual reality. Students also have the option of sitting for the Unity Certified User: Programmer exam at the end of the course. Additional testing fees apply for certification of ~\$125 (includes testing voucher and 1 retake).

CS301 AP COMPUTER SCIENCE PRINCIPLES HONORS

Elective | Sophomores-Seniors Yearlong Course | 1 Unit

Prerequisite | Introduction to Computer Science

Computer Science Principles is an introduction to computer science designed around the AP Computer Science Principles framework. Using the AP CSP curriculum on Code.org, students begin with binary numbers 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, functions 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 to succeed on the AP CSP Performance Tasks. 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 \$97.

CS311 AP COMPUTER SCIENCE A HONORS

Elective | Juniors and Seniors Yearlong Course | 1 Unit

Prerequisite | Introduction to Computer Science; department approval; 85% or higher in previous year's Math class

AP Computer Science A is a college-level introductory computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing codes as they explore concepts like modularity, variables, and control structures. Students will be able to design a program, develop the algorithms it needs, and write code to implement them. This course is taught in the Java programming language. 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 \$97.

Nerinx Hall
English Course Sequence
2024-2025

Four credits required

| Grade 9 | Grade 10 | Grade 11 | Grade 12 |
|---|---|---|--|
| <p>Intro to Composition A .5 or Intro to Composition B .5</p> <p>Intro to Literary Studies .5</p> | <p>Sophomore English 1.0 or Sophomore English Honors 1.0 or AP Seminar: English 10 Honors 1.0</p> | <p>US Literature 1.0 or US Literature Honors* 1.0</p> | |
| | | <p>Electives</p> | |
| | | <p>JUNIOR ELECTIVE AP English Language and Composition Honors .5</p> | <p>SENIOR ELECTIVES Must choose one credit total.</p> <p>AP English Literature and Composition Honors* .5 College and Creative Writing .5 Drama as Literature Honors* .5 Exploring Enduring Questions .5 Film Studies: Critical Viewing .5 Introduction to Gender Studies Honors* .5 Introduction to Journalism .5 Advanced College Writing Honors* .5 Women in Film and Fiction .5 Women in Film and Fiction Honors* .5 Public Speaking .5</p> |

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 or AP Seminar: English 10 Honors

3rd Year: US Literature or US Literature Honors, AP Language and Composition Honors

4th Year: AP English Literature Honors; College and Creative Writing; Drama as Literature; Exploring Enduring Questions; Film Studies: Critical Viewing; Introduction to Gender Studies Honors; Introduction to Journalism; Advanced College Writing Honors; Women in Film and Fiction; Women in Film and Fictions Honors; Public Speaking

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 the writing 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; writing sample on Intro to Composition S1 exam; department recommendation

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.

EN009H AP SEMINAR: ENGLISH 10 HONORS

Elective | Sophomores Yearlong Course | 1 Unit (Fulfills Sophomore English requirement)

Prerequisites | Holistic grading review; Pre-ACT test scores; faculty recommendation; writing sample on Introduction to Composition S1 exam; student application

AP Seminar is a year-long course and is required to complete the AP Capstone Diploma* and a prerequisite for AP Research [offered during the student's junior year]. AP Seminar is a course designed as the first step in this AP program and requires a two-year academic commitment. In the course, students investigate real-world issues from multiple perspectives all while students learn to synthesize information, develop their lines of reasoning in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. **The AP Capstone Diploma is an innovative college-level program from the College Board that equips students with the skills for independent research, collaborative teamwork, and communication skills that are highly valued in AP courses, colleges, and beyond.*

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.

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 or 90% or higher in Sophomore English Honors; cumulative GPA of 3.75 after 3 semesters; department 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.

EN243H AP ENGLISH LANGUAGE AND COMPOSITION HONORS

Elective | Juniors

Spring Semester Course | .50 Units

Prerequisites | 95% or higher for first semester of Sophomore English or 90% or higher in Sophomore English Honors; cumulative GPA of 3.75 after 3 semesters; department recommendation

Learn about the elements of argument and composition as you develop critical-reading and writing skills. Students will read and analyze nonfiction works from various periods and write essays with different aims: for example, to explain an idea, argue a point, or persuade the readers of something. Students are required to take the Advanced Placement that is administered at Nerinx in May.

EN242 COLLEGE AND CREATIVE WRITING

Elective | Seniors

Semester Course | .50 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.

EN136H DRAMA AS 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 5 semesters; department recommendation

This course examines drama as a form of literature throughout history, beginning with the Greeks and ending with contemporary American plays. Students will read a variety of works both independently and as a class, examine them critically as products of the time and culture they were written, and grow in appreciation of theatre as an art form. Students will attend a live performance and have the opportunity to write their own short play. **Students may take this course for UMSL ACP credit.**

EN138 EXPLORING ENDURING QUESTIONS

Elective | Seniors Semester Course | 0.5 Units

Through the readings of nonfiction essays and articles, students will tackle issues of today focusing on identity, responsibility to others, ethical dilemmas, and technology. Students will respond to the readings through engagement in both small and large group discussions, oral presentations, and written assignments as they react to the issues brought up in the readings.

EN096H AP ENGLISH LITERATURE AND COMPOSITION (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 5 semesters; department 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 \$97. **Students may take this course for Saint Louis University 1818 credit.**

EN134 PUBLIC SPEAKING

Elective | Seniors Semester Course | .50 Units

Students will plan and deliver appropriate presentations based on the task, audience, and purpose making strategic use of multimedia to enhance understanding of findings, reasoning, and evidence and to add interest conveying a clear and distinct perspective.

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.

EN130H INTRODUCTION TO GENDER STUDIES 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 5 semesters; department 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.

EN121H ADVANCED COLLEGE 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 5 semesters; department 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.**

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 5 semesters; department 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.**

Nerinx Hall

Fine Arts Course Sequence

2024-2025

One credit required (.5 Freshman Elective and .5 Humanities)

| Grade 9 | Grade 12 | Electives | |
|---|--|--|---|
| <p>Art Fundamentals .5 Dance 1 .5 Introduction to Music Technology & Creativity .5 Introduction to Theatre .5 Introduction to Stage Make-up and Costume Design .5 Introduction to Technical Theatre .5 Choir 1.0 Orchestra 1.0 Wind Ensemble 1.0</p> <p>Note: With special permission, Freshmen may test into higher level dance or music performance classes, replacing the freshman requirement with the higher-level course.</p> | <p>Humanities .5 or Humanities Honors .5 or Humanities Summer .5</p> | <p>ALL GRADES ART Drawing I .5 Basic Design .5 Ceramics .5 Digital Art Studio .5 Printmaking .5 Painting .5 Visual Storytelling .5</p> <p>Summer Oil Painting I & II .25 Wheel Throwing I & II .25 Drawing at the Zoo .25</p> <p>DANCE Dance I .5 Dance II .5 Dance III Dance IV .5</p> <p>Juniors & Seniors: Dance V Honors 1.0</p> <p>MUSIC Wind Ensemble 1.0 Honors Wind Ensemble 1.0 Orchestra 1.0 Honors Orchestra 1.0 Introduction to Music Technology & Creativity .5</p> <p>THEATRE Design/Build .5</p> <p>Grades 10-12 ART Advanced Drawing* .5 Advanced Ceramics: Wheel Throwing .5 Advanced Ceramics: Sculpture .5 Introduction to the Art of Photography .5</p> | <p>Photo II: Digital Photography .5 Musical Theatre Appreciation .5 Introduction to Fiber Arts .5 Fiber Arts II .5 Painting I & II .5</p> <p>MUSIC Choir 1.0 Honors Choir 1.0 Introduction to Music Theory .5 Topics in Popular Music .5</p> <p>THEATRE Acting I .5 Acting II .5 Stage Make-up and Costume Design .5</p> <p>Grades 11-12 ART Applied Arts Practicum .25 AP Honors Drawing 1.0 AP Studio Art: 2-D Design Honors 1.0 AP Studio Art: 3-D Design Honors 1.0 Independent Portfolio 1.0</p> <p>MUSIC AP Music Theory Honors 1.0</p> <p>THEATRE Acting III/IV .5</p> <p>Grade 12 AP Art History Honors 1.0 Senior Drawing* .5 Performance Practicum .5</p> |

*College credit through SLU or UMSL

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, Dance 1, Intro to Stage Make-Up and Costume Design, 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: Advanced Drawing and Senior Drawing may be taken for UMSL ACP 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 and tech through various presentations and theatrical games and explorations. Students will be introduced to such theatre aspects as improvisation, pantomime, playwriting, short monologues and scenes, stage combat, and more. Special emphasis is given to the ability to become a successful storyteller through performance, directing, and technical design.

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 GarageBand, 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 GarageBand, 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.

FA803 INTRODUCTION TO STAGE MAKE-UP and COSTUME DESIGN

Elective: Freshmen

Semester Course | .50 Units

This course introduces the student to all of the basic technical aspects of stage make-up and costume design, along with the fundamentals of working on the costume and make-up stage crew for theatrical productions. Projects will include costume and make-up designs from a variety of time periods and specific plays and musicals, along with practical application of those stage make-up designs. Students will also learn the aspects of video production by creating make-up tutorials for each design they create.

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.

FA867 DANCE I

Elective | Freshmen-Seniors

Semester Course | .50 Units

This course is designed to introduce students to beginner dance skills in the styles of jazz, modern, ballet, hip hop, and more. Class begins with a warm up consisting of stretching, strengthening and technical dance skills, followed by across-the-floor sequences, and concluding with a dance combination/routine showcasing the various dance styles introduced in each unit. Students will learn basic dance terminology in the course and be introduced to dance history as well as dance kinesiology and injury prevention. No previous dance experience necessary.

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.

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.

FA807 ADVANCED DRAWING

Elective | Sophomores-Seniors Semester Course | .50 Units

Prerequisite | Drawing I 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 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 department permission 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 \$97.

FA809 PRINTMAKING

Elective: Freshman-Seniors

Semester Course | .50 Units

In this course, students will explore the art of printmaking, a technique that involves creating multiple copies of an image or design. Through hands-on projects, students will learn various printmaking methods such as drypoint, monotype, block, intaglio, and screen printing. They will be introduced to the history and evolution of printmaking, from ancient techniques to modern innovations. Students will develop their artistic skills and creativity as they experiment with different materials, tools, and techniques. They will learn about composition, color theory, and the elements of design, applying these concepts to their printmaking projects. Additionally, students will examine the works of renowned printmakers and analyze the cultural, social, and historical contexts of their art. By the end of the course, students will have a comprehensive understanding of printmaking as an art form and the ability to create their own unique prints.

FA842 VISUAL STORYTELLING

Elective | Freshmen-Seniors

Semester Course | .50 Units

This course is for those interested in storytelling through still images, such as those found in picture books or graphic novels. We will explore storyboarding, character design, visual research, and taking an idea from an early sketch to a full-color spread using a combination of traditional and digital media. Students will research & analyze a work from graphic history and create a final piece of original visual story.

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 of 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 darkroom 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

Semester Course | .50 Units

Prerequisite | Painting I & department approval

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.

FA818H AP ART HISTORY (HONORS)

Elective | Juniors and 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 \$97.

FA853SS OIL PAINTING I & II

Elective | Freshmen-Seniors

Summer Course | .25 Units

Offered Summer 2024 (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

Summer Course | .25 Units

Offered Summer 2025 (alternates with Oil Painting I & II)

In this 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 class meeting times.

FA852SS WHEEL THROWING I & II

Elective | Freshmen-Seniors

Summer 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, FireAlpaca, and other animation software. Students will create artwork with the emphasis on digital imagery, manipulation of digital photography and creating animation.

FA819H AP STUDIO ART: 2D DESIGN (HONORS)

Elective | Juniors and 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 \$97.

FA919H AP STUDIO ART: 3D DESIGN (HONORS)

Elective | Juniors and 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 \$97.

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 Units

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, 21st 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

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.

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. 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 Units

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 contests. 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 Units

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 contests. 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 and 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 \$97.

FA864 TOPICS IN POPULAR MUSIC

Elective | Juniors and Seniors

Semester Course | .50 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.

Theatre Electives

FA729 ACTING I

Elective | Sophomores-Seniors

Semester Course | .50 Units

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.

FA810 STAGE MAKE-UP and COSTUME DESIGN

Elective: Sophomores-Seniors

Semester Course | .50 Units

This course introduces the student to all of the basic technical aspects of stage make-up and costume design, along with the fundamentals of working on the costume and make-up stage crew for theatrical productions. Projects will include costume and make-up designs from a variety of time periods and specific plays and musicals, along with practical application of those stage make-up designs. Students will also learn the aspects of video production by creating make-up tutorials for each design they create. Students in this course will contribute to the design and implementation of costumes and make-up for the current season of Nerinx Hall theatrical productions.

FA850 PERFORMANCE PRACTICUM

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, but students will have required summer coursework to ensure fall college audition timelines are adequately met. Credit will be graded as pass/fail and awarded on the basis of demonstrated learning, time spent, and teacher/student evaluation.

FA821 MUSICAL THEATRE APPRECIATION

Elective: Sophomores- Seniors

Semester Course | .50 Units

In this course, students will explore the fascinating world of musical theatre. Throughout the semester, they will read, study, and view influential musicals from various time periods, including both film adaptations and stage musicals. Through this exploration, students will develop their thinking and writing skills, focusing on script analysis and constructive criticism. Assessments in this course will be diverse and engaging, including field trips to see professional productions. Students will have the opportunity to showcase their understanding through evaluative reviews, creative projects, and presentations. By critically analyzing scripts, performances, and overall artistic elements of musicals, students will deepen their appreciation and knowledge of this vibrant art form.

FA851 DESIGN/BUILD

Elective | Freshmen-Seniors

Semester Course | .50 Units

This course seeks to introduce students to the design process as related to theatre. Students will explore several aspects of theatrical design including scenic design, set decoration, costuming, and more. Furthermore, students will spend time executing and implementing their choices through practical applications. This will also include the interpretation and execution of actual designs for our current production. In the process, students will develop self-confidence through increased knowledge of and experience with various power tools and learned process skills. The class will consist of a combination of lectures and hands-on projects.

Dance Electives

FA867 DANCE I

Elective | Freshmen-Seniors

Semester Course | .50 Units

This course is designed to introduce students to beginner dance skills in the styles of jazz, modern, ballet, hip hop, and more. Class begins with a warm up consisting of stretching, strengthening and technical dance skills, followed by across-the-floor sequences, and concluding with a dance combination/routine showcasing the various dance styles introduced in each unit. Students will learn basic dance terminology in the course and be introduced to dance history as well as dance kinesiology and injury prevention. No previous dance experience necessary.

FA868 DANCE II

Elective | Freshmen-Seniors

Semester Course | .50 Units

Department approval required

This course is developed as a continuation to Dance I or as an option for students with some previous dance experience per the approval of the instructor during the enrollment period. This is an advanced-beginner and beginning-intermediate class that continues to explore various genres of dance, including but not limited to jazz, modern, ballet, hip hop, contemporary and musical theatre dance styles, while expanding on existing dance terminology as well as dance history and kinesiology. Performance opportunities vary depending on the semester the course is offered. This class is a great option for those with minimal dance experience but looking to expand their dance training beyond the beginner level.

FA869 DANCE III

Elective Freshmen-Seniors

Semester Course | .50 Units

Department approval required

This course is for intermediate level and above dance students coming from Dance II or with previous dance experience and instructor approval during the enrollment period. This class continues to explore various dance styles such as jazz, modern, hip hop, ballet and contemporary, while expanding the dancer's individual technique via more advanced sequences and movement explorations. Students will learn choreography at a faster pace to culminate in an end of semester performance, while also expanding knowledge of dance history and pedagogy as it pertains to becoming a more diverse and creative dancer in all areas.

FA879 DANCE IV

Elective Freshmen-Seniors

Semester Course | .50 Units

Department approval required

This advanced level dance class serves as a continuation to Dance III or as an option for the experienced dancer with approval of the instructor during the enrollment period. This course allows students to continue to work on their dance technical skills in all genres of dance, including but not limited to jazz, modern, ballet, hip hop and contemporary styles, with the expectation that students consistently use and expand their understanding of proper dance terminology, history, pedagogy and kinesiology to be globally aware dance artists. Students will learn extensive choreography to perform in the Nerinx Festival of the Arts and will have opportunities to create their own choreography as well.

FA879H DANCE V HONORS

Elective: Juniors - Seniors

Yearlong Course | 1.0 Units

Department approval required

This is an advanced level class for the serious dancer with enrollment dependent on approval of the teacher via interview and/or audition. This yearlong class seeks to enrich experienced dancers with opportunities to explore multiple aspects of the field including dance technique, history, anatomy & injury prevention while emphasizing our Loretto values of Faith, Community, Justice and Respect via liturgical choreography, community teaching & outreach, guest teachers, cultural dance explorations, and various performance opportunities. Students will have extensive opportunities to choreograph independent works and will be tasked to create a dance capstone project over the course of the year. This course will meet the requirements for induction into the National Honors Society for Dance Arts (NHSDA) and successful completion of the capstone project will qualify students for Graduation with Honors via NHSDA.

Nerinx Hall

Health & Physical Education Course Sequence

2024-2025

1.0 credits required for 2028 and beyond

1.25-1.5 credits required for 2025, 2026, & 2027

| Grade 9 | Grade 10 | Grade 11 | Grade 12 |
|---------|---------------------|----------|----------|
| | Health Education .5 | | |

Electives

Choose one:

- Individual/Dual/Team Sports .5
- Intro to Physical Fitness .5
- Lifetime Activities .5

Health & 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.

10th Grade Health Education and PE Activity classes meet for one semester.

Course Sequence

| | |
|-------------------------------------|-----------|
| Health Education | .50 Units |
| 1 Physical Education Activity Class | .50 Units |

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.

PE604 LIFETIME ACTIVITIES

Elective | Freshmen-Seniors Semester Course | .50 Units

This course will introduce students to a variety of physical activities that promote lifelong skills for health and wellness. There will be an emphasis on teamwork, cooperation, strategies, skills, and physical/mental and emotional/social benefits of participating in the activities offered. Examples of lifetime activities offered include: Archery, Pickleball, Bowling, Golf, and Badminton.

PE606 INDIVIDUAL/DUAL/TEAM SPORTS

Elective | Freshmen-Seniors Semester Course | .50 Units

This course will focus on sport specific activities that are either team oriented or individual or dual participation. Students will also be introduced to emerging sports that are popular in other countries. Students will learn the importance of communication skills, teamwork, cooperation, and health related benefits of being physically active. Examples of sports offered within the class include: Tennis, Soccer, Volleyball, Golf, Field Hockey, KinBall (Canada), Tchoukball (Switzerland).

PE608 INTRO TO PHYSICAL FITNESS

Elective | Freshmen-Seniors Semester Course | .50 Units


This course will introduce students to physical fitness concepts and how to design a personal fitness program. Students will also learn proper weight lifting and bodyweight techniques and movements to prevent injury while also focusing on overload and progression principles on the human body. Students will also learn variations of types of workouts (Weightlifting, 3 Day SPLIT, Circuit Training, AMRAPs, EMOMs, HIIT, Power Yoga, and Agility Training). The goal of this course is to create a platform for students to feel comfortable and confident joining any type of fitness setting.

Nerinx Hall

Mathematics Course Sequence

2024-2025

Three credits required; four recommended

| Grade 9 | Grade 10 | Grade 11 | Grade 12 |
|----------------------------|---|-----------------------------------|---|
| Algebra I B ——— > | Geometry B ——— > | Algebra II ——— > | Trig & Advanced Math |
| Algebra I A ——— > | Geometry A ——— > | Algebra II/Trig ——— > | Pre-College Algebra or Pre-Calculus |
| Algebra I Honors ——— > | Geometry Honors ——— > | Algebra II/Trig Honors — > | Advanced Pre-Calculus Honors* |
| |  | Pre-Calculus Honors ——— > | AP Calculus AB Honors or Calculus Honors* |
| Algebra II/Trig Honors — > | Geometry Honors ——— > | Advanced Pre-Calculus — > Honors* | AP Calculus AB Honors or Calculus Honors* |
| | | Electives | |
| | | AP Statistics Honors | AP Statistics Honors AP Calculus BC Honors |

*College credit through SLU or UMSL

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 2nd 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 the first semester but passes the 2nd 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 | 1 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 | 1 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 | 1 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

Yearlong Course | 1 Unit

Prerequisite | Algebra I A

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

Yearlong Course | 1 Unit

Prerequisite | Algebra I B

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 | 1 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 | 1 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 | 1 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 | 1 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.

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.

MT213H PRECALCULUS (HONORS)

Yearlong Course | 1 Unit

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

This course is designed for juniors who took Algebra 1 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 a graphing calculator is an integral part of this course. Students must maintain an 83% (B) or above grade by the end of 1st Quarter to continue in the course.

MT295H ADVANCED PRECALCULUS (HONORS)

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.**

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.

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 1 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 1 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 teacher recommendation

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 \$97.

MT294H AP STATISTICS (HONORS)

Elective | Junior and 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 \$97.

Nerinx Hall

Science Course Sequence

2024-2025

Three credits required; four recommended

| Grade 9 | Grade 10 | Grade 11 | Grade 12 |
|--|--|---------------------------------|--|
| 9th Grade Physics A or 9th Grade Physics B or 9th Grade Physics Honors | Chemistry or Chemistry Honors | Biology or Biology Honors | |
| Electives | | | |
| | Astronomy .5 Introduction to Biomedical Science: Disease and Injury (Summer) .5 Natural Science of Missouri (Summer) .5 | | |
| | Senior Physics 1.0 Intro to Forensics .5 Independent Study .5 Environmental Science* 1.0 Field Ecology Trip (Summer) .25 AP Chemistry Honors 1.0 AP Physics Honors* 1.0 Eco-Act 1.0 | | Anatomy and Physiology Honors 1.0 AP Biology Honors 1.0* Anthropology and Evolution .5 Applied Sciences Internship .25 |

*College credit through SLU or UMSL

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, introduction to biomedical 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

1st Year: 9th Grade Physics B, 9th Grade Physics A, or 9th Grade Physics Honors

2nd Year: Chemistry or Chemistry Honors, Electives include Astronomy, Introduction to Biomedical Science: Disease and Injury, or Natural Science of Missouri

3rd Year: Biology or Biology Honors, Electives include Astronomy, Introduction to Biomedical Science: Disease and Injury, Natural Science of Missouri, Environmental Science, Eco-Act, Independent Study, Introduction to Forensics, Senior Physics Honors, AP Chemistry Honors, and AP Physics I Honors

4th 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 Biomedical Science: Disease and Injury, Natural Science of Missouri, 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.

SI318 9TH GRADE PHYSICS B

Required | Freshmen

Yearlong Course | 1 Unit

9th 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: scientific practices, 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 and scientific notation.. They will also learn to communicate scientific knowledge clearly and precisely.

This class differs from the 9th 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.

SI322H 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. This course goes into each topic more thoroughly and deeply, and involves more complex calculations and more critical thinking than 9th Grade Physics A or B. Several projects are also required in this course.

SI306 CHEMISTRY

Required | Sophomores

Yearlong Course | 1 Unit

Prerequisite | 9th 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\ based chemistry Students are encouraged to recognize the chemistry that they encounter every day and to do their own research.

SI391H CHEMISTRY (HONORS)

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

(Fulfills the Chemistry requirement)

Prerequisite | 9th Grade Physics

Department approval required

Chemistry Honors is an accelerated college preparatory 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.

SI394H AP CHEMISTRY (HONORS)

Elective | Juniors and Seniors **Yearlong Course | 1 Unit**

Prerequisite | Chemistry/Honors Math level / A in Physics and Chemistry

Department and AP Instructor 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 \$97. A summer study and first day of school test is part of the curriculum.

SI301 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, evolution, genetics, 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.

SI303H BIOLOGY (HONORS)

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

(Fulfills the Biology requirement)

Prerequisites | Department approval required

This is a challenging course with topics centering on evolution, cellular processes, energy transfers, including cellular respiration and photosynthesis, and genetics and information transfers within cells. The curriculum focuses on helping students gain an understanding of the underlying processes of biology by emphasizing scientific experimentation including analysis of data and interpretation of results.

SI304H AP BIOLOGY (HONORS)

Elective | Seniors

Yearlong Course | 1 Unit

Prerequisite | A in Chemistry and Biology

Department approval and AP Instructor 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 \$97. **Students may take this class for UMSL ACP credit.**

SI395 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, 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. 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.

SI397H AP PHYSICS I (HONORS)

Elective | Juniors and Seniors

Yearlong Course | 1 Unit

Prerequisite | "A" in Algebra Honors (I or II), "A" in Geometry Honors, 9th 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. **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. Approximately 18 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 \$97.

SI308H 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. This class starts during the preceding summer with a study on general biology topics and a test on the first day of class. A \$20 Lab Fee for Cadaver Visit to AIMS.

SI310 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 as political systems, gender, religion, race and ethnicity.

SI311 ECO-ACT

Elective | Juniors and Seniors

Yearlong Course | 1 Unit

Prerequisite | Biology and Chemistry

Department and Missouri Botanical Garden 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. Interested students must complete an application and interview process with the Missouri Botanical Garden. Approved applicants will be notified and must complete the summer workshops prior to the start of the school year and required workshops and service outside of the school day.

SI315 ASTRONOMY

Elective | Sophomores-Seniors

Semester Course | .50 Units

Department approval required

Prerequisite | 9th 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, supernovae, and other cosmological topics will be discussed.

SI309 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.

SI361 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. **Students may take this class for UMSL ACP credit.**

SI351 INDEPENDENT STUDY

Elective | Juniors and 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. **Independent Study will not be offered in the 2024-2025 school year.**

SI320SS FIELD ECOLOGY

Elective | Juniors and Seniors

Summer Course | .25 Units

Application required; Administrative and departmental approval required the fall before the course

Summer field experience focused on ecology and conservation at a research station. Students will spend nine days assisting field researchers in collecting data, presenting their results, team building, and completing conservation service projects. Students can receive .25 credits of Field Ecology and/or 30 service hours, including senior service hours. Location to be determined each year.

SI390 APPLIED SCIENCES INTERNSHIP

Elective | Seniors

Semester Course | .25 Units

(Available for Physics, Chemistry, Biology, and Computer Science)

Department and Instructor Approval

Students interested in pursuing Science disciplines in college, particularly in the area of education in the Sciences, have the opportunity to work with and assist a Science teacher for one semester. Examples of laboratory opportunities include making solutions, setting up labs, cleaning and organizing glassware and other lab supplies, assisting the teacher with execution of labs, and tutoring students. 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, 21st century learning and innovation, and professional social skills. Students will demonstrate growth and knowledge throughout the semester. Credit will be graded as pass/fail and awarded on the basis of demonstrated learning, time spent, and teacher/student evaluation.

SI362SS INTRODUCTION TO BIOMEDICAL SCIENCE: DISEASE & INJURY

Elective | Sophomores - Seniors Summer Course | .5 Units

(Summer session only/Asynchronous online)

This summer session course has been designed to introduce students to the field of Biomedical Science through an overview of various diseases and injuries that affect the human body. This option will allow students to increase the number of science courses that they are able to take during their time at Nerinx and will complement the Anatomy/Physiology and Health courses to build on the study of the human body systems. It will also provide an excellent introduction to the medical fields, including nursing, pre-med, or pre-physical therapy. Course content will include various medical terminology, testing procedures and imagery techniques. Students will be required to purchase a textbook through a third party vendor.

SI363SS NATURAL SCIENCE OF MISSOURI

Elective | Sophomores - Seniors Summer Course | .5 Units

(Summer session only/Asynchronous online)

This summer session course has been designed to introduce students to the natural science of Missouri. This course will complement the Biology and Environmental Science courses and build upon the study of ecology. It will also provide an excellent introduction to the studies of Geology, Botany, and Zoology, and will provide connections to regional history. Course materials will be online videos or resources, and a binder of reference materials that will be borrowed from Nerinx Hall. If the reference materials are not returned by August 31, 2024, a \$25 fee will be assessed. Experiential learning activities will be required. Students must visit at least two locations from a list of options. Some options may incur an additional entrance fee to be paid by the student (not included in the course fee, up to \$50).

Nerinx Hall

Social Studies Course Sequence

2024-2025

Three credits required; four recommended

| Grade 9 | Grade 10 | Grade 11 | Grade 12 |
|---|---|--|---|
| World Studies I .5 or World Studies I Honors .5 | World Studies II 1.0 or AP World History Honors 1.0 | US History 1.0 or US History Honors* 1.0 or AP United States History Honors* 1.0 | American Politics and the Constitution .5 or American Politics Honors* .5 |
| Electives | | | |
| | The Close-up Experience .25 Topics in History .5 | Black History .5 Black History Honors* .5 Eastern Cultures Honors* .5 HERStory .5 History of the Civil War .5 Introduction to Psychology .5 Introduction to Sociology .5 Money and Power .5 The '60s and Beyond .5 | |

*College credit through SLU or UMSL

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), AP US History 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

Placement is determined during the admissions process.

The purpose of World Studies I Honors is to immerse students in the rigor of an AP curriculum and/or an honors course to build the necessary skills to achieve success in future high-level courses. All students enrolled in the course are required to complete assigned summer readings and will take a written assessment during the first week of school related to these readings. 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 aims to enhance student understanding of the complex origins of the increasingly interdependent modern world. It examines the differences in how peoples and systems in Africa, the Americas, Asia, and Europe responded to social, political, economic, and technological change from the fall of Rome through the twentieth century. This course evaluates these developments both within and between civilizations, states, and empires. To this end, it considers domestic and international power dynamics, alliances, trade relations, political movements, and ideologies that have combined to bring about war, progress, and change. It culminates with a study of the unique problems of the twentieth century, such as nuclear proliferation, totalitarian states, and efforts to manage the world and its inhabitants through the establishment of international organizations.

SS130H AP WORLD HISTORY HONORS

Required | Sophomores

Yearlong Course | 1 Unit

Fulfills World Studies II

Prerequisites | A 97% or higher in the most recent required social studies class at the end of the semester (or the end of both semesters if applicable), 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 complete assigned summer readings and will take a written assessment during the first week of school related to these readings. All students are required to take the AP World History exam in May. 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 will be assessed for the fee set by the College Board for the Advanced Placement exam. The estimated fee for '24-'25 is \$97.

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 was settled and the native population declined; industrialization again flourished and the result was 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

Prerequisites | 97% 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.

SS195H AP US HISTORY HONORS

Elective | Juniors

Yearlong Course | 1 Unit

Fulfills U.S. History requirement

Prerequisites | 97% or higher for the first semester in their sophomore social studies course; cumulative GPA of 3.75; Approval from the student's sophomore level Social Studies teacher is required.

Students will study the cultural, economic, political, and social developments that have shaped the United States from c. 1491 to the present. Students will analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments. Students will: evaluate primary and secondary sources, Analyze the claims, evidence, and reasoning they find in sources, put historical developments in context, make connections between them, come up with a claim or thesis, and explain and support it in writing. Students will be expected to complete summer coursework and take an assessment of their work on the first day of class for credit. Students are required to take the Advanced Placement exam in May. Students will be assessed the fee set by the College Board. **Students may take this course for St. Louis University 1818 credit.**

SS111 AMERICAN POLITICS AND THE CONSTITUTION

Required | Seniors

Semester Course | .50 Units

Note: 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

Prerequisites | 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 the 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

Prerequisites | 95% or higher for the first semester in their last required 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. **Students may take this course for UMSL ACP credit.**

SS133 HISTORY OF THE CIVIL WAR

Elective | Juniors and Seniors

Semester Course | .50 Units

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 be offered in the 2024-2025 school year.**

SS140 HERSTORY

Elective | Juniors and Seniors Semester Course | .50 Units

Explore the extraordinary contributions and influence of women throughout history with this engaging course. This course takes you on a captivating journey through time, spotlighting the impact of women across the globe, with a special emphasis on modern history. This course provides a comprehensive examination of the pivotal role women have played in shaping societies, cultures, and economies worldwide. From the suffragette movements to contemporary leaders, participants will delve into the stories of remarkable women who defied societal norms and paved the way for progress. **HERstory will be offered in the 2024-2025 school year.**

SS131 INTRODUCTION TO SOCIOLOGY

Elective | Juniors and Seniors Semester Course | .50 Units

Unlock the mysteries of human behavior and societal structures in our semester-long course. This comprehensive exploration invites you to delve into the foundational principles of sociology, unravel the complexities of culture and subcultures, and examine the dynamics of socialization, social development, social groups, and interaction. This course is suitable for students interested in sociology, social sciences, and anyone seeking a deeper understanding of human society and behavior. No prior knowledge of sociology is required. A curiosity about human behavior and societal structures is encouraged. **Introduction to Sociology will be offered in the 2024-2025 school year.**

SS202 BLACK HISTORY

Elective | Juniors and 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. **Black History will be offered in the 2024-2025 school year.**

SS202H BLACK HISTORY HONORS

Elective | Juniors and Seniors Semester Course | .50 Units

Prerequisites | 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. **Students may take this course for UMSL ACP credit. Black History Honors will be offered in the 2024-2025 school year**

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 course? 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, and 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.

SS203 MONEY AND POWER

Elective | Juniors and 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 2024-2025 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 2024-2025 school year.**

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 2024-2025 school year.**

SS108 THE CLOSE-UP EXPERIENCE

Elective | Sophomores-Seniors

Semester 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.

2025 Program Specifics → Trip Dates: Thursday, January 16 through Wednesday, January 22, 2025. The tuition and flight costs for the 2025 Inaugural Trip will be released Spring 2024. The estimated cost is \$3,070.00 with the non-refundable enrollment deposit of \$700.00 due in early June 2024. The final payment/remaining balance (~\$700.00 deposit cost goes directly into the students overall payment) will be due September 30, 2024. Trip cost covers all travel and transportation, room and board, program fees, safety and security. Additional trip costs are minimal. The dates and prices listed in the 2024-2025 Nerinx Hall Program of Studies will remain an estimate until the official release of trip costs in March of 2024. Rates are subject to change.

While students are encouraged to enroll for Close Up during Nerinx Hall's course registration process, no deposit is required to Nerinx Hall. Additionally, students will have the opportunity to enroll in the program between February 2024 (Nerinx's course registration dates) and June 2024 (Close Up's enrollment deposit deadline).

Nerinx Hall

World Languages Course Sequence

2024-2025

Two consecutive years of the same language required

| Grade 9 | Grade 10 | Grade 11 | Grade 12 |
|--|---|---|---|
| French I or German I or Mandarin I or Spanish I Incoming freshmen who have previously studied French, German, Mandarin, or Spanish may request to test out of Level I and into Level II.. Decisions for advancement are based on the results of an examination and department approval. | French II or German II or Mandarin II or Spanish II | French III French III Honors* German III German III Honors* Mandarin III Mandarin III Honors Spanish III Spanish III Honors* | French IV French IV Honors* German IV German IV Honors* Mandarin IV Mandarin IV Honors Spanish IV Spanish IV Honors* |
| | | Electives | |
| | | French I French II German I German II Mandarin I Mandarin II Spanish I Spanish II Fifth Year Electives AP German Language and Culture Honors AP French Language and Culture Honors AP Spanish Language and Culture Honors German V | |

*College credit through SLU

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 | 1 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. **Honors Level III courses in French, German, and Spanish 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 | 1 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. **Honors Level IV courses in French, German, and Spanish 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 | 1 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 \$97.

WL521 GERMAN V HONORS

Elective Yearlong Course | 1 Unit
Prerequisites | Level IV Honors
Department approval required

This course is designed as a yearlong course with no AP exam requirement. Topics are covered on a more sophisticated level and include travel; recent historical events; arts and music; diversity, equity, and inclusion in Germany; and the cultures of Germany, Austria, and Switzerland.

Electives

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-Seniors Summer 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 in mid October. 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. Note: 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 2024

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. Daily attendance is mandatory. **If a student misses more than one class period, no credit will be earned.** Enrollment is determined on a first-come, first-served basis. Registration is online via Google Form available to students beginning February 15, 2024. 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 29, 2024.

Summer Classes will not meet June 19th (Juneteenth Holiday)

CS100SS INTRODUCTION TO COMPUTER SCIENCE

Required | Freshmen Summer Course | .50 Units

June 3-June 28 | Monday-Friday 8:30-11:00 am OR 11:30 am – 2:00 pm

Tuition | \$550

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. Daily attendance is mandatory. **If a student misses more than one class period, no credit will be earned.**

CS202SS CYBERSECURITY

Required | Sophomores-Juniors Summer Course | .50 Units

Prerequisite | Computer Science I

June 3-June 28 | Monday-Friday | 11:30 am – 2:00 pm

Tuition | \$550 + book

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. Daily attendance is mandatory. **If a student misses more than one class period, no credit will be earned.**

EN136SS DRAMA AS LITERATURE

Elective | Seniors Summer Course | .50 Units

June 3-June 28 | Monday-Friday 8:30-11:00 am

Tuition | \$550 + books

This course examines drama as a form of literature throughout history, beginning with the Greeks and ending with contemporary American plays. Students will read a variety of works both independently and as a class, examine them critically as products of the time and culture they were written, and grow in appreciation of theatre as an art form. Students will attend a live performance and have the opportunity to write their own short play. Daily attendance is mandatory. The summer session is not an honors level class and is not available for UMSL ACP credit. **If a student misses more than one class period, no credit will be earned.**

FA880SS HUMANITIES (SUMMER COURSE OFFERING)

Elective | Incoming Juniors and Seniors Summer Course | .50 Units

May 7, 9*, 14, 16, 28, 30, June 4, 6, 11, & 13 | 5:00 - 8:00 pm (*the May 9 class will be online/asynchronous)

Trip Dates: June 17-July 2

Tuition: \$550 + 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.

FA853SS OIL PAINTING I & II

Elective | Incoming Freshmen-Seniors Summer Course | .25 Units

May 29 & 31, June 3, 5, 7, 10, 12, & 14 | 12:30 - 4:00 pm

Tuition | \$350+ 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 28 & 30 (11am-5pm), June 4, 6, 11, & 13 12:15-4:45 pm.

Tuition | \$350 + 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.

PE701SS HEALTH EDUCATION

Required | Sophomore

Summer Course | .50 Units

June 3-June 28 | Monday-Friday | 8:30-11:00 am OR June 3-June 28 | Monday-Friday | 11:30 am - 2:00 pm

Tuition | \$550

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. Daily attendance is mandatory. **If a student misses more than one class period, no credit will be earned.**

SI362SS INTRODUCTION TO BIOMEDICAL SCIENCE: DISEASE & INJURY

Elective | Rising Sophomores-Seniors Summer Course | .50 Units

Tuition | \$550 + books

(Summer session only/Asynchronous online)

This summer session course has been designed to introduce students to the field of Biomedical Science through an overview of various diseases and injuries that affect the human body. This option will allow students to increase the number of science courses that they are able to take during their time at Nerinx and will complement the Anatomy/Physiology and Health courses and build on the study of the human body systems. It will also provide an excellent introduction to the medical fields, including nursing, pre-med, or pre-physical therapy. Course content will include various medical terminology, testing procedures and imagery techniques. Students will be able to utilize text reference materials that would be similar to what they might encounter in an introductory level college nursing course.

SI363SS NATURAL SCIENCE OF MISSOURI

Elective | Sophomores - Seniors

Summer Course | .50 Units

Tuition | \$550 + books

(Summer session only/Asynchronous online)

This course has been designed to introduce students to the Natural Science of Missouri. This course will complement the Biology and Environmental Science courses and build on the study of ecology. It will also provide an excellent introduction to the studies of Geology, Zoology, Botany and will provide connections to regional history. Course content will include conservation articles, textbook passages, field guide use and video resources. Students will be able to utilize reference materials that would be similar to what they might encounter in an introductory level college course.

TH705SS SACRAMENTS, ENCOUNTERS WITH CHRIST

Required | Juniors

Summer Course | .50 Units

June 3-June 28 | Monday-Friday 8:30-11:00 am

Tuition | \$550 + 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. **If a student misses more than one class period, no credit will be earned.**

TH708SS CHRISTIAN LIFE COMMITMENTS

Required | Seniors

Summer Course | .50 Units

June 3-June 28 | Monday-Friday 11:30 am – 2:00 pm

Tuition | \$550 + books

Christian Life Commitments (CLC) is the capstone Theology course at Nerinx, focusing on personal journey and lived faith, particularly living the tenets 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. Daily attendance is mandatory. **If a student misses more than one class period, no credit will be earned.**

EL1004SS YOGA ON AND OFF THE MAT

Elective | Rising Sophomores-Seniors Summer Course | .50 Units

June 3-June 28 | Monday-Friday 8:30-11:00 am

Tuition | \$550

Students will practice Hatha Yoga, Restorative Yoga, Yin Yoga, and Yoga Nidra, and learn more about the body and the importance of mind-body connection. This course will include weekly field trips to parks off-campus to practice yoga and experience the power of nature on the mind, body, and spirit. Students who take this course will have the foundational experience to lead Yoga Club sessions.