



2023-2024

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



## Campus Ministry (see page 13 for details)

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

# Registration Timeline

**January 25** Sophomore & Junior meeting with Dr. Howard regarding new courses.

**January 26** Freshman meeting with Dr. Howard regarding new courses.

**Feb 17 – Feb 20** 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 17 and close at midnight on February 20.

**Note: No student will be allowed to register if she has not completed her meeting with a counselor/learning consultant.**

**Feb 17-Feb 20** 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 2023-2024 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 semester. 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	REGULAR	HONORS
97-100 A+	4.33	4.83
93-96 A	4.00	4.50
90-92 A-	3.66	4.16
87-89 B+	3.33	3.83
83-86 B	3.00	3.50
80-82 B-	2.66	3.16
77-79 C+	2.33	2.83
73-76 C	2.00	2.50
70-72 C-	1.66	2.16
67-69 D+	1.33	1.83
63-66 D	1.00	1.50
60-62 D-	.66	1.16
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 must have a GPA of 4.0 or higher 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 with a GPA of 3.66 – 3.99 receive Second Honors.

### HONORS PROGRAMS:

House of Studies

National Honor Society

Missouri Seal of Biliteracy

# 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
- Stand Out to Colleges

Students who 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](https://collegeboard.org) 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](https://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.

\*Earning college credit, earning advanced placement, saving money and time, and standing out to colleges is up to the discretion of individual colleges and universities.

\*\*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 still in high school. The 1818 Program is designed to engage high school students as college students while taking classes on Nerinx's campus with Nerinx teachers.

### **Cost**

SLU charges \$75/credit hour

### **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 and have completed the prerequisite course(s) with a grade(s) of "B" or higher; approval from the principal or guidance counselor

High School Freshman 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 of each semester for students planning to enroll.

Please note that SLU only allows 11 credits 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

### **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**



# AP and College Credit

COURSE	AP	UMSL/ACP	SLU/1818
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 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		
Advanced College & Creative Writing Honors			X
Advanced Drawing		X	
Advanced Pre-Calculus Honors			X
American Politics Honors		X	
Anatomy & Physiology Honors		X	
Black History Honors		X	
Calculus Honors		X	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 to 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

Sophomore English Honors

US Literature Honors

AP English Language and Composition 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

Honors Choir

AP Honors Drawing

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 Honors

Algebra II/Trig Honors

Advanced Pre-Calculus Honors

Calculus Honors

AP Calculus AB Honors

AP Calculus BC Honors

AP Statistics

## Science

9th Grade Physics Honors

Chemistry Honors

Biology Honors

Anatomy and 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 and Constitution Honors

Black History Honors

Eastern Cultures Honors

## World Languages

German III Honors

French III Honors

Mandarin III Honors

Spanish III Honors

German IV Honors

French IV Honors

Mandarin IV Honors

Spanish IV Honors

AP German Language and Culture Honors

AP French 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 2023-2024 academic year, the maximum rate is \$181.00 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 three consecutive years immediately prior to graduation. Students must be enrolled in an A+ school at least 142 days of a school year to be considered an A+ qualifying year.
- Graduate from Nerinx Hall High School with a cumulative GPA of 2.5 or above on a 4.0 grading scale (Unweighted).

- Graduate from Nerinx Hall High School with a cumulative attendance record of 95% or better.
- Achieve a qualifying score of 17 on the math section of the ACT. Students may also achieve a score of proficient or advanced on the Algebra I end of course exam or a higher level EOC approved end-of-course exam in the field of mathematics:
- Perform 50 hours of unpaid tutoring or mentorship.
- Maintain a record of good citizenship and avoidance of unlawful use of alcohol and drugs.
- Good Faith Effort to Secure Funding

## COVID-19

In response to the COVID-19 virus, the Department of Higher Education and Workforce Development has issued changes in the requirements that need to be met. The A+ Scholarship eligibility requirements will be closely monitored by the A+ Coordinator. To view changes and updates, please review Temporary Guidance Regarding Covid-19 section of the Department of Higher Education and Workforce Development website: <https://dhewd.mo.gov/ppc/grants/aplusscholarship.php>



# Campus Ministry

Campus Ministry at Nerinx Hall strives to form students according 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.

<b>Freshmen</b>	15 hours of service; 10 of which may be to the Nerinx community
<b>Sophomores</b>	20 hours of service; 10 of which may be to the Nerinx community
<b>Juniors</b>	25 hours of service; 10 of which may be to the Nerinx community
<b>Seniors</b>	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.

# Counseling

Additionally, students with diagnosed learning disabilities or health impairments meet with the learning specialist individually or in small groups.

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

Sophomores meet with their academic and wellness counselors individually and in small groups and, in collaboration with the health teachers, the counselors present the wellness curriculum.

College counselors also meet with sophomores to advance college and career exploration using a variety of assessments and other tools.

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

**Jump Start** – Prior to the start of fall classes, seniors may participate in a fee-based three-day workshop designed to organize their college research, begin college applications, brainstorm their college essays, and sharpen their resumes. Other topics include requesting teacher letters of recommendation and scholarship information. Registration in the spring is required.

Seniors meet with their college counselor individually during the first semester to execute college applications or complete other activities related to postsecondary planning. Application workshops will also be offered prior to the November 1st and December 1st deadlines. At these workshops, students will complete all application components and learn how to request transcripts. Seniors will continue to meet with their college counselor throughout the second semester as they finalize their plans.

### **Learning Consultant Program**

The role of the learning consultant is to support students with diverse learning needs through a partnership with the student, parent(s) and vested parties of the school community.

The Learning Consultants support students accepted into the program in the following ways:

- Develop a Learning Profile that describes the student's strengths, challenges, accommodations, and effective strategies. The learning profile is shared with her classroom teachers.
- Provide one-on-one and/or small group support to guide students in the development of effective work habits, self-advocation skills, study skills, and time management of free blocks.
- Apply for accommodations with College Board and the ACT on the students behalf.
- Support classroom teachers by sharing best practices for supporting students' unique learning needs and academic accommodations.

Accommodations provide equal learning access to those with diagnosed disabilities without altering the intended learning goals. Students can access their testing accommodations in the testing center located in the Lockwood House.

**Attend Meetings** – Meetings with the learning consultant are scheduled through Google Calendar. Attendance is required. If not able to attend, please provide advance notice so that it can be rescheduled. Missing multiple meetings may result in disciplinary action.

**Stay Organized** – Track assignments on Canvas. Use a planner to keep up with work. Follow an effective homework routine. Turn in assignments on time. Utilize a binder system to organize papers. Read and respond to emails daily.

Self Advocate – Meet with teachers at the beginning of the semester to discuss learning profile. Reach out for help when needed Meet with teachers during free period or contact. Send an email. Request an NHS tutor. Sign up to take tests in the Testing Center

Embrace Learning – Put forth your best effort. Be open to trying new strategies. Seek and learn from feedback. Keep going when things get tough.

### **Career Exploration**

Nerinx offers many opportunities for career exploration. Freshman and Sophomore students complete career inventories during standardized testing days. Juniors complete an intensive career exploration assessment via SCOIR. This assessment is based on students' aptitudes and matches best-fit career and educational pathways. Seniors work individually with their college counselor to discuss their career aspirations and the best path forward for college and major.

All students will participate in our quarterly 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.





2023-2024

# Course Sequences and Descriptions

Nerinx Hall

Theology Course Sequence

2023-2024

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>Electives</div> Choose one. All courses are .5 credits.  Death, Suffering, and Healing 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.



## **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.

## **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.

## **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.**

## Nerinx Hall

### Business & Media Course Sequence

2023-2023

All courses are electives

Grade 9	Grade 10	Grade 11	Grade 12
	<b>Electives</b>		
	<b>BUSINESS ELECTIVES</b> Accounting .5 Personal Finance .5		
	<b>MEDIA ELECTIVES</b> Broadcast Media .5		
		<b>BUSINESS ELECTIVES</b> Entrepreneurship .5 Marketing .5	
		<b>MEDIA ELECTIVES</b> 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      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

**2023-2024**

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	<b>Electives</b>		
	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 AP Computer Science Principles Honors 1.0 AP Computer Science A Honors 1.0		

+ Grade 9 may take elective courses with departmental approval

# Computer Science

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

## **CS102 INTRODUCTION TO COMPUTER SCIENCE**

**Required | Freshmen**

**Semester Course | .50 Units**

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

## **CS201 ARTIFICIAL INTELLIGENCE**

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

**Prerequisite | Introduction to Computer Science and Intro to Robotics & Engineering**

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 January, and possible championship meets as late as March.

## **CS233 ADVANCED ROBOTICS & ENGINEERING II**

**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 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 \$95.

## **CS311 AP COMPUTER SCIENCE A HONORS**

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

**Prerequisite | Introduction to Computer Science and department approval**

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 \$95.

**Nerinx Hall**  
**English Course Sequence**  
**2023-2024**

Four credits required

Grade 9	Grade 10	Grade 11	Grade 12
Intro to Composition A .5 or Intro to Composition B .5  Intro to Literary Studies .5	Sophomore English 1.0 or Sophomore English Honors 1.0	US Literature 1.0 or US Literature Honors* 1.0	
		<b>Electives</b>	
		<b>JUNIOR ELECTIVE</b> AP English Language and Composition Honors .5	<b>SENIOR ELECTIVES</b> Must choose one credit total.  AP English Literature and Composition Honors* .5 College and Creative Writing .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 World Mythology .5 Public Speaking .5

\*College credit through SLU or UMSL

# English

In English classes, all students are encouraged to develop skills in reading, writing, critical thinking, research, presentation, and discussion. Students are required to take four years of English classes that include composition and literature. Senior electives include areas of study such as literature, film, mythology, composition, journalism, gender studies, and non-fiction.

## Course Sequence

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

2nd Year: Sophomore English or Sophomore English Honors

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

4th Year: AP English Literature Honors; College and Creative Writing; 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; World Mythology, 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; qualifying score on writing sample**

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

## **EN010 US LITERATURE**

**Required | Juniors**

**Yearlong Course | 1 Unit**

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

## **EN191H US LITERATURE HONORS**

**Elective | Juniors**

**Yearlong Course | 1 Unit**

**(Fulfills U.S. Literature requirement)**

**Prerequisites | 97% or higher for first semester of Sophomore English or 95% or higher in Sophomore English Honors; cumulative GPA of 3.75 after 3 semesters; teacher recommendation**

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

## **EN243H AP ENGLISH LANGUAGE AND COMPOSITION HONORS**

**Elective | Juniors                      Spring Semester Course | .50 Unit**

**Prerequisites | 97% or higher for first semester of Sophomore English or 95% or higher in Sophomore English Honors; cumulative GPA of 3.75 after 3 semesters; teacher 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 | .5 Units**

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

## **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; teacher recommendation**

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

## **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; teacher recommendation**

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

### **EN238 INTRODUCTION TO JOURNALISM**

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

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

### **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; teacher recommendation**

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

### **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; teacher recommendation**

This is a one semester senior English course in which students read novels and then view, study, and compare the films derived from them. This class is oriented towards the understanding of narrative in both literature and film, including film grammar and history. Additional novels and films along with corresponding writing assignments add to the rigor of this course. **Students may take this course for Saint Louis University 1818 credit.**

### **EN241 WORLD MYTHOLOGY**

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

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



## Nerinx Hall

### Fine Arts Course Sequence

**2023-2024**

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

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

\*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, Introduction to Dance, or Introduction to Technical Theatre. With special permission, Freshmen may test into higher level performance classes, replacing the freshman requirement with the higher-level course. Freshmen may also choose additional Fine Arts electives, if their schedule allows.

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

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

Please note: 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 through various presentations, creativity exercises, and theatrical games and explorations. Students will be introduced to such theatre aspects as monologues, pantomime, vocal projection, improvisation, scene work, movement and more. Special emphasis is given to character analysis and the ability to become a successful storyteller.

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

**Elective | Freshmen-Seniors**

**Semester Course | .50 Units**

In order to better understand the role of music in society, and in order to better understand how to express musical ideas, students with any level of musical background are invited to work hands-on with the means at their disposal, including 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.

## **FA832 INTRO TO TECHNICAL THEATRE**

**Elective | Freshmen-Seniors**

**Semester Course | .50 Units**

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

## **FA728 INTRODUCTION TO DANCE**

**Elective | Freshmen**

**Semester Course | .50 Units**

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

## **FA880 HUMANITIES**

**Required | Seniors**

**Semester Course | .50 Units**

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

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

### **FA880H HUMANITIES (HONORS)**

**Elective | Seniors**

**Semester Course | .50 Units**

**(Fulfills Humanities requirement)**

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

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

### **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 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 \$95.

### **FA842 VISUAL STORYTELLING**

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

**Prerequisite | Drawing I or Digital Art Studio**

This course is for those interested in storytelling through still images, such as those found in picture books, graphic novels, or comics. We will explore storyboarding, character design, visual research, working in sequence, 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 with department approval Semester Course | .50 Units**

**Prerequisite | Painting I**

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 \$95.



### **FA853SS OIL PAINTING I & II**

**Elective | Freshmen-Seniors**

**Quarter 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**

**Quarter Course | .25 Units**

**Offered Summer 2023 (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**

**Quarter Course | .25 Units**

**Summer Course Offering**

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

### **FA857 DIGITAL ART STUDIO**

**Elective | Freshmen-Seniors**

**Semester Course | .50 Units**

This course introduces students to their computer as a studio art tool. In this course, we will explore various software including Adobe Photoshop, Adobe Illustrator, 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 \$95.

### **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 \$95.

### **FA873 INDEPENDENT PORTFOLIO**

**Elective: Juniors and Seniors**

**Yearlong Course | 1 Units**

**Department approval required**

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

### **FA921 APPLIED ARTS PRACTICUM**

**(DANCE, MUSIC, THEATRE/ TECHNICAL THEATRE, VISUAL ARTS)**

**Elective: Juniors and Seniors**

**Semester Course | .25 Unit**

**Department approval required**

Students interested in pursuing Fine Arts disciplines in college, and particularly the area of education in the Fine Arts have the opportunity to work with and assist a Fine Arts teacher for one semester. Examples of practicum opportunities: Gallery Assistant (students learn the details of framing, maintaining, and exhibiting work), Dark Room assistant (students learn how to properly mix chemicals for the processing of film, provide assistance with teacher during dark room studio hours), Dance Class Assistant (help lead warm ups, demonstrate technique and movement vocabulary, create and set short choreography), Ceramics Assistant, Music Assistant, Tech Assistant. The course is individualized for each student with a personalized learning plan that covers the application of academic and technical knowledge and skills, career knowledge, 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**

**Department approval required**

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

### **FA901H HONORS CHOIR**

**Elective | Sophomores-Seniors**

**Yearlong Course | 1 Unit**

**Department approval required, by audition only**

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

### **FA827 WIND ENSEMBLE**

**Elective | Freshmen-Seniors**

**Yearlong Course | 1 Unit**

**Department approval required**

This course is for students who have instrumental experience in woodwinds, brass, or percussion. 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 \$95.

## **FA864 TOPICS IN POPULAR MUSIC**

**Elective | Juniors and Seniors**

**Quarter Course | .25 Units**

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

## **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.

### **FA850 PERFORMANCE CLASS**

**Elective | Seniors**

**Semester Course | .50 Units**

**Department approval required**

This course is designed to develop individual talent and prepare senior-level performance students for the college audition process. Voice students, instrumentalists, actors, musical theatre students, and dance students will focus on all aspects of audition and performance. Concentrating on moving from the studio to the stage, students will be mentored by a team of teachers to enhance their audition and performance skills as well as their resume and personal marketing tools in preparation for college and beyond. This class meets in the fall semester, but students will have required summer coursework to ensure fall college audition timelines are adequately met.

### **FA823 MUSICAL THEATRE**

**Elective | Sophomores-Seniors**

**Semester Course | .50 Units**

**Prerequisite | Acting or Intro to Theatre**

**Department approval required**

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

### **FA851 DESIGN/BUILD**

**Elective | Freshmen-Seniors**

**Semester Course | .50 Units**

This course seeks to 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 class is designed to develop basic dance skills including foundations in jazz, modern, ballet and hip-hop styles as well as choreography. Class will begin 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.

## **FA868 DANCE II**

**Elective | Freshmen-Seniors**

**Semester Course | .50 Units**

**Department approval required**

This class is developed as a continuation to Dance I or as an option for students with previous dance experience per the approval of the instructor during the enrollment period. This is an intermediate level dance class that will incorporate various dance genres, including but not limited to jazz, modern, ballet, hip hop and contemporary, at an increased pace to allow for more developed choreography with intermediate level dance skills. Continued dance terminology will be addressed, and dance kinesiology and history will be continued as well. Performance opportunities include an informal showcase at the Nerinx Festival of the Arts, and upon time availability, students may have the opportunity to explore creating their own choreography for performances as well.

## **FA879 DANCE III/IV**

**Elective Freshmen-Seniors**

**Semester Course | .50 Units**

**Department approval required**

This class has been developed as a continuation to Dance II or as an option for the experienced dancer per the approval of the instructor during the registration period. This is an advanced level dance class that allows students to continue their work on advanced dance skills in all genres of dance per the makeup of the class as well as students' individual interests, including but not limited to jazz, modern, ballet, hip hop, contemporary, and musical theatre dance styles. Students will learn choreography at a pace that allows for extensive movement/choreographic exploration, and will continue their understanding of dance terminology, kinesiology, and history. Students will also have extensive opportunities to work on student created choreography, culminating in an informal showcase at the Nerinx Festival of the Arts. This class requires a commitment to proper technical dance training and strong rehearsal skills to ensure quality time to prepare for the spring showcase.



Nerinx Hall

Health & Physical Education Course Sequence

2023-2024

1.25 credits required

Grade 9	Grade 10	Grade 11	Grade 12
9th Grade P.E. .5	Health Education .5		
	<div>Electives</div> <div>Choose one:</div> <div> Archery/Badminton .25  Competitive Sports and Games .25  Strength and Conditioning .25  Bowling and Recreational Games .25 </div>		

# 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.

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

## Course Sequence

9th Grade Physical Education	.50 Units
Health Education	.50 Units
1 Physical Education Activity Class	.25 Units

### **PE620 9TH GRADE PHYSICAL EDUCATION**

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

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

### **PE701 HEALTH EDUCATION**

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

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

### **PE640 ARCHERY & BADMINTON**

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

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

### **PE641 COMPETITIVE SPORTS & GAMES**

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

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

## **PE642 STRENGTH & CONDITIONING**

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

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

## **PE643 BOWLING & RECREATION GAMES**

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

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

# Nerinx Hall

## Mathematics Course Sequence

### 2023-2024

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*
		<b>Electives</b>	
		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 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 \$95.

### **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 \$95.

# Nerinx Hall

## Science Course Sequence

### 2023-2024

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	
	<b>Electives</b>		
	Astronomy .5 Introduction to Biomedical Science: Disease and Injury (Summer) .5		
		Senior Physics 1.0 Intro to Forensics .5 Environmental Science* 1.0 Costa Rica Trip (Summer) .25 AP Chemistry Honors 1.0 AP Physics Honors 1.0	Anatomy and Physiology Honors* 1.0 AP Biology Honors 1.0 AP Chemistry Honors 1.0 AP Physics I Honors* 1.0 Independent Study .5 ECO-ACT 1 Anthropology and Evolution .5

\*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 and Introduction to Biomedical Science: Disease and Injury

3rd Year: Biology or Biology Honors, Electives include Astronomy, Environmental Science, Introduction to Forensics, and Senior Physics 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 Forensics, Environmental Science, and Independent Study

### **SI321 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: math review & lab basics, motion, forces, energy, atomic theory & atomic structure, the electric force & simple electronic circuits, harmonic motion, & thermodynamics. Students will both build and gain problem-solving skills and a facility with unit conversions, scientific notation, and significant digits. They will also learn to communicate scientific knowledge clearly and precisely.

This class differs from the 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. and goes into each topic more thoroughly and deeply, and involves more complex calculations and more critical thinking than 9th Grade Physics. 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 and bases and thermochemistry. Students are encouraged to recognize the chemistry that they encounter every day and to do their own research.

### **SI391H CHEMISTRY (HONORS)**

**Elective | Sophomores**

**Yearlong Course | 1 Unit**

**(Fulfills the Chemistry requirement)**

**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.

### **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)**

**Elective | 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 \$95.

### **SI394H AP CHEMISTRY (HONORS)**

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

**Prerequisite | Chemistry/Honors Math level**

**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 \$95. A summer study and first day of school test is part of the curriculum.

### **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, chemistry, physical therapy or pre-medical students or for any student with a general interest in physics. Topics include vectors, motion in one and two dimensions forces and Newton's Laws, work, energy, impulse momentum, collisions, rotational motion, torque, gravity and orbits, buoyant force and Archimedes' principle, vibrations and waves including the Doppler Effect, and thermodynamics including heat transfer, calorimetry and the relationship between pressure, temperature and volume of ideal gasses. 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 | 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 and frees time for other courses. **Students may take this class for SLU 1818 credit.**

Students cultivate their understanding of Physics through inquiry-based investigations as they explore these topics: kinematics; dynamics; circular motion and gravitation; energy; momentum; simple harmonic motion; torque and rotational motion. Up to 19 college level experiments are performed, providing hands-on laboratory experience with an emphasis on inquiry based investigations that demonstrate the foundations of physics principles. Colleges may require students to present their laboratory materials from AP science courses before granting college credit for laboratory work. Students are encouraged to retain their laboratory notebooks, reports, and other material as proof of completion. Students are required to take the Advanced Placement exam that is administered in May. Students will be assessed the fee set by the College Board. The estimated fee is \$95.

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

### **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 | Seniors**

**Yearlong Course | 1 Unit**

**Prerequisite | Biology and Chemistry**

**Department approval required**

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

### **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, nebulae, 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 | 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.

### **SI320SS COSTA RICA TRIP: ECOLOGY/FIELD BIOLOGY**

**Elective | Juniors and Seniors**

**Summer Course | .25 Units**

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

### **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.

# Nerinx Hall

## Social Studies Course Sequence

### 2023-2024

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
	<b>Electives</b>		
	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**

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

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

## **SS106 WORLD STUDIES II**

**Required | Sophomores**

**Yearlong Course | 1 Unit**

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

## **SS130H AP WORLD HISTORY (HONORS)**

**Required | Sophomores**

**Yearlong Course | 1 Unit**

**Fulfills World Studies II**

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

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

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

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

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

## **SS195H AP US HISTORY (HONORS)**

**Elective | Juniors**

**Yearlong Course | 1 Unit**

**Fulfills U.S. History requirement**

**Prerequisites | 95% 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**

**Prerequisites | Minimum of an A in the most recent required Social Studies class, a minimum cumulative 3.0 GPA, and a recommendation of the most recent Social Studies teacher.**

This course will allow students to examine one of the most important formative eras of our country, the Civil War, and examine its causes and impact in modern times. This class will examine the beginnings of the war, starting with the importation of slavery, moving through the abolition movement, and into the war itself. Students will use primary and secondary documents along with documentaries and historical films to examine the battles, the politics, and the everyday life that occurred during this time. Students will also analyze how St. Louis helped to shape the war, with investigations into local sites of historical importance such as the Old Courthouse, Saint Louis University (the site of Camp Jackson) and Lyon Park (the site of the St. Louis Arsenal). Students will be expected to analyze the importance of this time in our nation's history, and explain how the impact of this era can still be seen, and felt, today. **History of the Civil War will not be offered in the 2023-2024 school year.**

### **SS140 HERSTORY**

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

**Prerequisites | 95% or higher for the first semester of the last required Social Studies course.**

HERstory will explore how the role of women in history has and has not changed within the United States. While studying the role of women and their impact on pivotal periods we will also focus on the divide and unity of women within different classes, ethnicities, and races. Through close readings and analysis of particular women, students will discover how time can reveal and conceal the realities of women's history. **HERstory will not be offered in the 2023-2024 school year.**

### **SS203 MONEY AND POWER**

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

Money and Power is a macro-economics course that is focused on the effects of the economy on people, government and society specifically through money and power. Rather than examining individual economic patterns that tend toward mathematics and business, this course will focus on the study of large-scale economic systems, how those economic systems affect and are affected by political systems, and the ways in which economic systems shape our everyday lives. **Money and Power will be offered in the 2023-2024 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 be offered in the 2023-2024 school year.**

### **SS131 INTRODUCTION TO SOCIOLOGY**

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

This is an introductory course that explores social interaction, inequality, institutions, and societal change. Topics of study in this course include norms and deviance, race, gender and class, education and government, social movements, and the media. Students will evaluate sociological theories, study sociological experiments, and participate in class demonstrations. Students will study sociological concepts through traditional and project-based learning, with emphasis on research, group work, and everyday applications. **Introduction to Sociology will not be offered in the 2023-2024 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. College credit is available through the University of Missouri – St. Louis.

### **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.**

### **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 be offered in the 2023-2024 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.

## **SS108 THE CLOSE-UP EXPERIENCE**

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

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

# Nerinx Hall

## World Languages Course Sequence

### 2023-2024

Two consecutive years of the same language required

Grade 9	Grade 10	Grade 11	Grade 12
German I or French I or Mandarin I or Spanish I	German II or French II or Mandarin II or Spanish II	German III German III Honors*  French III French III Honors*  Mandarin III Mandarin III Honors  Spanish III Spanish III Honors*	German IV German IV Honors*  French IV French IV Honors*  Mandarin IV Mandarin IV Honors  Spanish IV Spanish IV Honors*
		<b>Electives</b>	
		German I German II  French I French II  Mandarin I Mandarin II  Spanish I Spanish II  <b>Fifth Year Electives</b> AP German Language and Culture Honors AP French Language and Culture Honors AP Spanish Language and Culture Honors	

\*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 \$95.

# 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      Quarter Course | .25 Unit**

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

The French Exchange program is a long-standing and unique cultural experience with the Lycée Notre Dame High School in Chartres, France, an hour southwest of Paris. Participants correspond with their French penpal before hosting them in Saint Louis for 2 weeks 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 2023

## Reminders

Please remember that academic credit is given for summer courses at Nerinx Hall. Therefore, daily attendance is required. Check your calendar carefully before registering for summer classes. Students who have planned time away should not register for a summer class. Enrollment is determined on a first-come, first-served basis. Registration is online via Google Form available to students beginning February 16, 2023. 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 24, 2023.

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

### **CS100SS INTRODUCTION TO COMPUTER SCIENCE**

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

**June 5-June 30 | Monday-Friday 8:30-11:00 am & 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.



## **CS202SS CYBERSECURITY**

**Required | Sophomores-Juniors      Summer Course | .50 Units**

**Prerequisite | Computer Science I**

**June 5-June 30 | 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.

## **FA880SS HUMANITIES (SUMMER COURSE OFFERING)**

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

**May 11, 16, 18, 30, June 1, 6, 8, 13, & 15 | 5:00 - 8:00 pm**

**Trip Dates: Tentative departure date – July**

**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.

## **FA833SS DRAWING AT THE ZOO**

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

**June 5 – June 16 | M, W, F | 1:00 - 4:00 pm (Meet at the Zoo).**

**June 16- 5:00 pm exhibit in the Nerinx Library**

**Tuition | \$350+ course fee of \$60 to cover cost of art supplies, instructional and/or reference books.**

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 & FA854SS WHEEL THROWING I/II**

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

**May 30, 31, June 1 1:00-4:45 pm June 6, 8, 13, 15 1:00-4:45 pm. June 16 – 5 pm exhibit in the Nerinx Library**

**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.

## **PE620SS 9TH GRADE PHYSICAL EDUCATION**

**Required | Freshmen**

**Summer Course | .50 Units**

**June 5-June 30 | Monday-Friday 8:30-11:00 am     June 5-June 30 | 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 include fitness, proper nutrition and weight control, eating disorders, drug addiction, noninfectious disease, disabilities, and sexually transmitted diseases. Students are given written tests and quizzes and a health topic project.

## **PE701SS HEALTH EDUCATION**

**Required | Sophomore**

**Summer Course | .50 Units**

**June 5-June 30 | Monday-Friday | 8:30-11:00 am     June 5-June 30 | 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.

## **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.

## **TH705SS SACRAMENTS, ENCOUNTERS WITH CHRIST**

**Required | Juniors**

**Summer Course | .50 Units**

**June 5-June 30 | 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.