



## PROGRAM OF STUDIES 2020-2021

### GRADUATION REQUIREMENTS

#### Courses

Theology	4 Units
Computer Science	1 Unit
English	4 Units
Fine Arts	1 Unit
Health & Physical Education	1.25 Units
Mathematics	3 Units
Science	3 Units
Social Studies	3 Units
World Languages	2 Units
Electives	4 Units
Total Credits Required	26.25 Units (Class of 2022 & beyond) 26.00 Units (Class of 2021)

**Counseling**                      Nerinx 101, 201, 301, Jump Start

**Retreats**                            1 school-sponsored per 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 2020

- January 9.....Freshmen meeting regarding new courses at contact
- January 10.....Sophomore/Junior meeting regarding new courses at contact
- Jan 21-Feb 14.....Students meet with a counselor to discuss course selection options and the student's four-year plan.

#### NO STUDENT WILL BE ALLOWED TO REGISTER IF SHE HAS NOT COMPLETED HER MEETING WITH A COUNSELOR.

- Feb 18-Feb 20....Online course requests through PowerSchool completed by students. Summer school course registration will happen online via Google Form.
- February 28.....Registration fee and deposit for 2020-2021 school year due. Course selection requests will not be processed until registration fee and deposit are paid in full.
- July.....Students receive schedules. Online bookstore is available.

### TABLE OF CONTENTS

Graduation Requirements	1
Registration Timeline 2020	1
Table of Contents	1
Reminders	2
Change of Schedule Policy	2
<b>THEOLOGY.....</b>	<b>3</b>
Course Sequence	3
Senior Electives	3
<b>BUSINESS &amp; MEDIA.....</b>	<b>5</b>
<b>COMPUTER SCIENCE.....</b>	<b>7</b>
<b>ENGLISH.....</b>	<b>9</b>
Course Sequence	9
<b>FINE ARTS.....</b>	<b>11</b>
Course Sequence	11
Art Electives	12
Music Electives	13
Theatre Electives	15
Dance Electives	16
<b>HEALTH AND PHYSICAL EDUCATION.....</b>	<b>17</b>
Course Sequence	17
<b>MATHEMATICS.....</b>	<b>18</b>
Course Sequence	18
<b>SCIENCE.....</b>	<b>21</b>
Course Sequence	21
<b>SOCIAL STUDIES.....</b>	<b>24</b>
Course Sequence	24
<b>WORLD LANGUAGES.....</b>	<b>27</b>
World Language Level I	27
World Language Level II	27
World Language Level III	27
World Language Level IV	27
Honors Courses	28
<b>ELECTIVES.....</b>	<b>29</b>
<b>SUMMER COURSES 2020.....</b>	<b>30</b>
Reminders	30
<b>COUNSELING.....</b>	<b>31</b>
<b>COLLEGE CREDIT PROGRAMS.....</b>	<b>32</b>
Saint Louis University's 1818 Advanced College Credit Program	32
University of Missouri-St. Louis Advanced Credit Program	32
Advanced Placement Exams	32
<b>CAMPUS MINISTRY.....</b>	<b>33</b>
<b>SERVICE LEARNING PROGRAM.....</b>	<b>33</b>

## REMINDERS

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

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

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

Student requests for preferred teachers will not be accepted.

If a student fails a required course, she must retake that course in summer school or online. She may not retake the course at Nerinx. The principal and department chair must approve all recovery courses.

## CHANGE OF SCHEDULE POLICY

Please note:

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

Requests for schedule changes will be considered upon submission of:

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

**NERINX HALL**  
**Theology Course Sequence**  
**2019-2020**

Four credits required

GRADE 9	GRADE 10	GRADE 11	GRADE 12
<p>Patterns of Revelation 1.0</p>	<p>Meeting Christ in Word and Deed 1.0</p>	<p>Foundations of Christian Morality .5</p> <p>Sacraments: Encounters with Christ .5</p>	<p>Christian Life Commitments .5</p> <div data-bbox="1170 537 1526 619" style="background-color: #0070C0; color: white; padding: 5px; text-align: center;"><b>ELECTIVES</b></div> <p>Choose one. All courses are .5 credits.</p> <p>Death, Suffering, and Healing  or  World Religions*  or  Theological Foundations Honors*  or  Loretto in the World  or  Christ in the Culture  or  Women in the Church</p>

\*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: I semester of Foundations of Christian Morality  
I semester of Sacraments, Encounters with Christ
- 4th Year: I semester of Christian Life Commitments  
I semester Elective

#### TH700 PATTERNS OF REVELATION

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

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

#### TH702 MEETING CHRIST IN WORD AND DEED

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

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

#### 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.

#### 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.

#### TH708 CHRISTIAN LIFE COMMITMENTS

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

Christian Life Commitments is the capstone Theology course at Nerinx, focusing on personal journey and Christian vocation. Students explore topics including Christian discipleship within one's career path and committing one's life as a single, married or vowed woman. The significant transition into adulthood beyond family and the Nerinx community is explored, along with relevant themes including chosen relationships, communication and intimacy. A central focus of this class includes living one's life according to Christian values and principles of Catholic social teaching challenging students to embrace diversity, community, and social justice.

### SENIOR ELECTIVES

#### TH812 DEATH, SUFFERING, AND HEALING

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

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

**TH816 WORLD RELIGIONS****Elective | Seniors****Semester Course | .50 Units**

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

**TH820 LORETTO IN THE WORLD****Elective | Seniors****Semester Course | .50 Units**

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

**TH819 CHRIST IN THE CULTURE****Elective | Seniors****Semester Course | .50 Units**

This course provides an introduction to critical issues a Christian must respond to when engaged with popular forms of art and entertainment found in the culture. Although there may be times when certain things ought to be avoided, we can also seek opportunities to engage the culture and even evangelize (lead others to greater holiness) when appropriate and prudent. As Vatican II declared in *Lumen Gentium* "whatever good or truth is found (among them) is looked upon as preparation for the Gospel." This course then is meant to identify the ways that the message of Christ is already present in places that we might not expect and the Christian is called to sow the seeds of the Gospel within the contemporary culture wherever possible. Topics and issues for exploration might include film, literature, music, contemporary politics, media, pop culture, and anthropology (ie. secularism, post-modernism, etc.).

**TH821 WOMEN IN THE CHURCH****Elective | Seniors****Semester Course | .50 Units**

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

**TH740H THEOLOGICAL FOUNDATIONS HONORS****Elective | Seniors****Semester Course | .50 Units**

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

**NERINX HALL**  
**Business & Media Course Sequence**  
**2019-2020**

All courses are electives

GRADE 9	GRADE 10	GRADE 11	GRADE 12
	Accounting .5 Personal Finance .5 Business Law .5 Broadcast Media .5		
		Marketing .5 Narrative Video Production 1.5 Documentary Filmmaking .5 Commercial Media Production .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, business law, 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 course to accounting, which is the language of business. The primary emphasis is on the corporate financial statements of income, financial position, and cash flow. This includes their content, interpretation, and the impact of financial transactions upon them.

### **BC403 MARKETING**

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

This basic Marketing course will develop the student's understanding of the marketing process and its relation to the free enterprise system and various economies of the world. Marketing includes all activities occurring between production and consumption. This course will cover marketing terms, definitions, theory and history.

The students will also learn about current events in marketing, people in marketing positions, trends in marketing, marketing management, and marketing careers. Marketing professionals are guest speakers. It is an excellent course for those who want to explore the idea of a business career and use marketing techniques to secure and enhance their careers.

### **BC406 PERSONAL FINANCE**

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

This course is for future professionals who want to learn more about personal finance and how to better manage their resources. The topics include purchasing/leasing cars, home acquisitions, investing in stocks and bonds, mutual funds, retirement planning, budgeting, using credit, and health and life insurance.

### **BC419 BUSINESS LAW**

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

This course is designed to provide students with an overview of our legal system including statutes and regulations that affect businesses, families, and individuals in a variety of ways. Students will learn how and why local, state, and federal laws work in conjunction with international law. Students must also be able to distinguish unethical behavior from illegal behavior and to understand the rising importance of social responsibility. One of the most crucial changes in business law involves teaching students about the efforts of the courts and the legislature to deal with how technology has impacted laws. The material covered in this course will be reinforced and enhanced through the use of technology, guest speakers, videos and hands-on, project-based activities.

### **EL1012 BROADCAST MEDIA**

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

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

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

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

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

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

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

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

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

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

Only offered Spring Semester of 2020-2021 School Year

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

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

Only offered Spring Semester of 2021-2022 School Year

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



**NERINX HALL**  
**Computer Science Course Sequence**  
**2019-2020**

One credit required; both Computer Science I and II are required

GRADE 9	GRADE 10	GRADE 11	GRADE 12
Computer Science I .5	Computer Science II .5		
	<b>ELECTIVES</b>		
	Computer Science and Engineering-Coding I .5 Computer Science and Engineering-Coding II .5 Computer Science and Engineering-Robotics I .5 Computer Science and Engineering-Robotics II .5 AP Computer Science Principles 1.0		

## 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. Computer Science I and Computer Science II are required.

### CS100 COMPUTER SCIENCE I

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

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.

This course is also offered in the summer.

### CS120 COMPUTER SCIENCE II

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

Prerequisite | Computer Science I

Students will expand upon the skills learned in Computer Science I, however the primary focus here is an introduction to coding. The course begins with a brief review of the binary number system and computer memory. Students will then be introduced to the basics of website encoding. The topic of 3D printing is revisited, with projects involving more complicated design specifications. Students will be introduced to basic programming languages such as Python and JavaScript.

This course is also offered in the summer.

### CS221 COMPUTER SCIENCE AND ENGINEERING – CODING I

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

Prerequisite | Computer Science I and Computer Science II

**Can be taken as either computer science or science credit**

This course will introduce students to engineering and programming (coding). Students will build upon their knowledge of computer hardware and other concepts from Computer Science II. Students will learn engineering concepts, including circuits. Students will learn the basics of good graphics design. They will have the opportunity to apply these concepts in several ways by coding with a variety of languages and tools. The course requires a substantial final project such as a website or a challenging program of their choice.

### CS231 COMPUTER SCIENCE AND ENGINEERING – CODING II

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

Prerequisite | Computer Science I and Computer Science II and Computer Science and Engineering Code I and department approval

**Can be taken as either computer science or science credit**

This course builds upon Coding I and allows students to advance their coding skills. This course will include a more in-depth study of the programming cycle, emphasizing the need for planning, best programming practices, documentation, and testing. The course will include the planning, programming, documentation, and testing of more challenging programs. Different types of programming languages will be used, including procedure-oriented and object-oriented programming languages. A guest speaker from the field of computer science or a computer science professor will be invited to speak. Students will be expected to write a reflective essay on this talk.

### CS222 COMPUTER SCIENCE AND ENGINEERING–ROBOTICS I

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

Prerequisite | Computer Science I and Computer Science II

**Can be taken as either computer science or science credit**

This course will allow students to engineer with a 3D printer and Tetrax robotics parts. Students will use CAD (computer-aided design) software to design objects for the 3D printers. Students will be introduced to the basics of robot design, including batteries, motors, gears, and structures. They will design and build at least two robots, one involving programming (coding). The students will also explore some of the controversial and challenging issues with Artificial Intelligence (AI) in discussion and in writing.

### CS232 COMPUTER SCIENCE AND ENGINEERING–ROBOTICS II

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

Prerequisite | Computer Science I and Computer Science II and Computer Science and Engineering Robotics I and department approval

**Can be taken as either computer science or science credit**

This course will expand upon all of the concepts learned in Robotics I, including more advanced power tools, wiring, pneumatics, electricity, controllers, motors, and voltage regulators. More advanced designs and more complex robots will be explored. There will be a continuance of the introduction to Artificial Intelligence (AI) in Robotics I examining the ethical and moral considerations of AI, consistent with Loretto mission and values. This course will also support the robotics club.

**CS301 AP COMPUTER SCIENCE PRINCIPLES****Elective | Sophomores-Seniors                      Yearlong Course | 1 Unit****Prerequisite | Computer Science I and II and department approval**

Computer Science Principles is designed to be a full year. It is a rigorous, but entry-level course for high school students and is designed around the AP Computer Science Principles framework using the curriculum on Code.org. The course starts with learning about what is involved in sending a single bit of information from one place to another and ends with students developing small applications of their own design that will be posted on the web.

In each unit of study, students will engage in Computation Thinking Practices (CTP), which represent higher order thinking skills, behaviors, and habits of mind that need to be constantly visited, repeatedly honed, and refined over time. The topics of study, The Internet, Programming and Data, intersect with more general principles of computing, Creativity, Abstraction, Algorithms and Global Impacts.

Students will engage in projects to learn and practice the skills and content they need to know in order to succeed on the AP CSP Performance Tasks following Code.org approved AP curriculum. Students are required to take the Advanced Placement exam that is administered in May. Students will be assessed the fee set by the College Board. The estimated fee is \$95.

**NERINX HALL**  
**English Course Sequence**  
**2019-2020**

Four credits required

GRADE 9	GRADE 10	GRADE 11	GRADE 12
<p>Intro to Composition .5</p> <p>Intro to Literary Studies .5</p>	<p>Sophomore English 1.0</p>	<p>US Literature 1.0 or US Literature Honors* 1.0 or Interdisciplinary US Literature Honors* 1.0</p>	<p><b>ELECTIVES</b></p> <p>Must choose one credit total.</p> <p>Advanced Creative Writing .25</p> <p>Advanced Research and Presentation Honors .5</p> <p>AP English Literature Honors .5</p> <p>Film Studies: Critical Viewing .5</p> <p>Introduction to Gender Studies* .5</p> <p>Introduction to Journalism .5</p> <p>Senior Writing .25</p> <p>Senior Writing Honors* .5</p> <p>Social Justice and Genre Fiction Honors* .5</p> <p>Women in Film and Fiction .5</p> <p>Women in Film and Fiction Honors* .5</p> <p>World Mythology .5</p>

\*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, Introduction to Literary Studies

2nd Year: Sophomore English

3rd Year: US Literature or US Literature Honors

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

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

**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.

#### **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.

#### **EN010 US LITERATURE**

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

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

#### **EN190H INTERDISCIPLINARY US LITERATURE HONORS/US HISTORY HONORS**

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

**Prerequisites | 'A' in Sophomore English and teacher recommendation. Approval from both English and Social Studies Departments is required.**

**College Credit is available through Saint Louis University.**

This course is designed for the student who has demonstrated high academic achievement and offers a chronological survey of United States literature from native tribal mythology and legends to post-modern literature. Students will read widely from American writers and discuss and interpret these works in analysis, critical interpretation, and class discussion along with written literary analysis. Each era addresses both history and literature in tandem. Students may take this course for 3 hours of credit from Saint Louis University.

#### **EN191H US LITERATURE HONORS**

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

**Prerequisites | 'A' in Sophomore English and teacher recommendation. College Credit available through Saint Louis University**

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 3 hours of credit from Saint Louis University.

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

#### **EN012 ADVANCED CREATIVE WRITING**

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

The satisfaction of being able to say what we feel, whether in a poem, a postcard, a letter to a friend or colleague, a short story, or a song can be inestimable. Good writing takes experience. Advanced Creative Writing gives a quarter year of experience, plus the feedback of a facilitator and peers. We will write and study the various elements of poetry, the short story, one-act plays and keep on the daily track of our imaginations with an observation journal.

**EN141H ADVANCED RESEARCH/PRESENTATION (HONORS)****Elective | Seniors** Semester Course | .50 Units**Prerequisites | A' in U.S. Literature and teacher recommendation.**

This course is designed for students who wish to challenge their Language Arts skills with an emphasis on research and presentation. Throughout the semester students will gather research that applies to a target demographic, identify propaganda and logical fallacies in various media, respond thoughtfully to diverse perspectives, synthesize evidence on all sides of an issue, and determine what additional information or research is required to deepen the investigative process. They will also make strategic use of digital/interactive media (textual, graphical, audio, and visual) to enhance understanding of their findings in a professional presentation. This course requires self-discipline along with strong organizational and time management skills requisite for the completion of a student-driven, project based learning experience.

**EN096H AP ENGLISH LITERATURE (HONORS)****Elective | Seniors** Semester Course | .50 Units**Prerequisites | 'A' in U.S. Literature and teacher recommendation.**

Students eager for college-level reading and writing, with an emphasis on independent thinking and critical analysis, will enjoy this course, which carries college credit from Saint Louis University. 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.

**EN133 FILM STUDIES: CRITICAL VIEWING****Elective | Seniors** Semester Course | .50 Units

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

**EN130 INTRODUCTION TO GENDER STUDIES****Elective | Seniors** Semester Course | .50 Units**Prerequisites | 'A' in U.S. Literature and 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.

**EN016 SENIOR WRITING****Elective | Seniors** Quarter Course | .25 Units

In this course, students will become prepared to think and write on the college level. They will compose a formal college essay along with various other writing projects in order to refresh their essay composition skills, exercise their critical thinking abilities, and explore more sophisticated writing tasks.

**EN120H SENIOR WRITING (HONORS)****Elective | Seniors** Semester Course | .50 Units**Prerequisites | A' in U.S. Literature and teacher recommendation.**

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

**EN142H SOCIAL JUSTICE AND GENRE FICTION (HONORS)****Elective | Seniors** Semester Course | .50 Units**Prerequisites | 'A' in U.S. Literature and teacher recommendation**

In this course, students will examine the ways in which fiction has engaged with the central debates and social issues of its time. The rigorous course of reading includes classic and contemporary writers of science fiction, fantasy, and other exemplars of speculative fiction including Mary Shelley, H.G. Wells, Jules Verne, and others. Students may expect college-level discussions about genre characteristics, literary technique, historical context, and other elements of literary analysis, as well as various opportunities to apply the ideas from the literature to contemporary and local issues. The major goal of the course is to explore the latent potential of genre fiction to work toward (as well as against) social justice and human progress and develop higher-level skills in analysis, academic writing, and scholarly research. Students may take this course for 3 hours of credit through Saint Louis University.

**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 | 'A' in U.S. Literature and 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 basic film grammar and history. Additional novels and films along with corresponding writing assignments add to the rigor of this course. Student may take this course for 3 hours of credit through Saint Louis University.

**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

### 2019-2020

One credit required: .5 Freshman elective and .5 Humanities

GRADE 9	GRADE 12	ELECTIVES	
Art Fundamentals .5 Beginning Chorus .5 Beginning Instrumental Ensemble .5 Introduction to Theatre .5 Introduction to Dance .5  Note: With special permission, Freshmen may test into higher level music performance classes, replacing the freshman requirement with the higher-level course.	Humanities .5 Humanities Honors* .5 Humanities Summer* .5	<b>Grades 9-12</b> <b>ART</b> Drawing I .5 Basic Design .5 Ceramics .5 Painting .5 Digital Art Studio .5 <b>Summer</b> Oil Painting I & II .25 Wheel Throwing I & II .25 <b>DANCE</b> Musical Theatre Dance I .5 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 Basic Piano/Keyboard Skills .5 Introduction to Music Composition .5 <b>THEATRE</b> Design/Build .5 Technical Theatre I .25 Technical Theatre II .25  <b>Grades 10-12</b> <b>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> Intermediate Chorus 1.0 Advanced Chorus 1.0 Honors Chorus 1.0 Introduction to Music Theory .5 Topics in Popular Music .25 <b>THEATRE</b> Acting I .5 Acting II .5 Musical Theatre .25 Performance Class .5  <b>Grades 11-12</b> <b>ART</b> 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 11-12 1.0 <b>THEATRE</b> Acting III/IV .5  <b>Grade 12</b> AP Art History Honors 1.0 Senior Drawing 1.0

\*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, Beginning Chorus, Beginning Instrumental Ensemble, Introduction to Theatre, or Introduction to Dance.

Freshmen may 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 Humanities Summer

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

#### FA800 ART FUNDAMENTALS

**Elective | Freshmen**

**Semester Course | .50 Units**

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

#### FA804 BEGINNING CHORUS

**Elective | Freshmen-Seniors**

**Yearlong Course | .50 Units**

For freshmen and students with little or no previous knowledge of vocal production and singing in an ensemble. Students will be introduced to basic music theory, piano, solfeggio, takadimi, and vocal technique. This course is designed to teach students to perform music expressively and teach music literacy while developing a more confident vocal instrument for speaking and singing. 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.

#### FA805 BEGINNING INSTRUMENTAL ENSEMBLE

**Elective | Freshmen-Seniors**

**Yearlong Course | .50 Units**

For students with little or no previous knowledge of instrumental music and instrument care. Students will be taught basic and proficient music theory, instrumental technique, takadimi, and individual instrumental care. This course is designed to teach students to perform music expressively and teach music literacy while developing a more confident instrumental player. First time instrumental students are encouraged as well as those instrumentalists who wish to switch instruments. This course meets the freshman Fine Arts requirement.

#### FA728 INTRODUCTION TO DANCE

**Elective | Freshmen-Seniors**

**.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. Summer course offerings on page 31.

#### FA880H HUMANITIES (HONORS)

**Elective | Seniors**

**Semester Course | .50 Units**

**(Fulfills Humanities requirement)**

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

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



**FA8805S 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. Students may take this course for St. Louis University 1818 credit.

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 course for St. Louis University 1818 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.

**FA920H AP DRAWING (HONORS)****Elective | Junior & Seniors or by permission of the department****Yearlong Course | 1.0 Units****Prerequisite | Department Approval Required**

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

**FA808 BASIC DESIGN****Elective | Freshmen-Seniors Semester Course | .50 Units**

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

**FA812 CERAMICS****Elective | Freshmen-Seniors Semester Course | .50 Units**

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

**FA816 ADVANCED CERAMICS-WHEEL THROWING****Elective | Sophomores-Seniors Semester Course | .50 Units****Prerequisite | Ceramics**

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

**FA817 ADVANCED CERAMICS-SCULPTURE****Elective | Sophomores-Seniors Semester Course | .50 Units****Prerequisite | Ceramics**

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

**FA855 INTRODUCTION TO THE ART OF PHOTOGRAPHY****Elective | Sophomores-Seniors Semester Course | .50 Units**

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

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

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

**FA846 INTRODUCTION TO FIBER ARTS****Elective | Sophomores-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 screen-printing, block printing, dyeing, and construction with a sewing machine.

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

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

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

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

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

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

**FA818H AP ART HISTORY (HONORS)****Elective | 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****Summer Course Offering**

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.

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

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

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

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

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

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

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

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

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

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

**MUSIC ELECTIVES****FA825 INTERMEDIATE CHORUS****Elective | Sophomores-Seniors Yearlong Course | 1 Unit****Prerequisite | Beginning Chorus or by audition or by Department permission**

Students will be taught proficient level music theory, solfeggio, takadimi, and vocal technique. The performance ensemble will compete at state and national levels. Students will analyze music from theoretical, musical, expressive, and historical/social perspectives. Languages and a variety of world music will be explored.

Students will be assessed a concert dress fee of \$85.

**FA826 ADVANCED CHORUS****Elective | Sophomores-Seniors Yearlong Course | 1 Unit****Prerequisite | Intermediate Chorus or by audition****Department approval required**

Students will be taught advanced level music theory, solfeggio, takadimi, and vocal technique. The performance ensemble will compete at state and national levels. Students will analyze music from theoretical, musical, expressive, and historical/social perspectives. Languages and a variety of world music will be explored.

Students who have not previously purchased a concert dress will be assessed a concert dress fee of \$85.

**FA894H HONORS CHORUS****Elective | Sophomores-Seniors**                      **Yearlong Course | 1 Unit****Department approval required, by audition only**

In addition to advanced level requirements, Honors chorus will perform in period costumes in opera scenes, musical theater, and Madrigal dinners and performances. Students will research and present reports and presentations on the material studied each semester. All honors students are required to participate on a state and national level as an ensemble, and as an individual.

Students who have not previously purchased a concert dress will be assessed a concert dress fee of \$85.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**FA861 BASIC PIANO/KEYBOARD SKILLS****Elective | Freshmen-Seniors Semester Course | .50 Units****Department approval required**

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

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

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

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

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

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

The Acting III/IV class at Nerinx is designed as an extension of the Acting II class or for the experienced student actor per approval of the teacher during the enrollment period. Students in this class should have extensive acting and performance experience and should seek this class as a means to further develop their repertoire including explorations in Shakespeare and other classical and contemporary playwrights. Emphasis will be on detailed script analysis, development of "audition repertoire," introduction to acting for the camera and self-taping, as well as the development of stronger directing skills via staging scenes and/or one acts on classmates. Students may take this course for St. Louis University 1818 credit.

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

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

**FA823 MUSICAL THEATRE****Elective | Sophomores-Seniors Quarter Course | .25 Units****Prerequisite | Acting or Intro to Theatre****Department approval required**

This course is open to students who have a strong interest in musical theatre performance. This team-taught class includes development of vocal technique and study of various musical theatre scenes for performance.

**FA870SS TECHNICAL THEATRE I****Elective | Freshmen-Seniors****Quarter Course offered over semester | .25 Units**

This course introduces the student to the technical aspects of theatre with special emphasis on set construction and lighting. Students will build set pieces and study all areas of technical theatre. This course is offered on Saturdays and after school hours. Meeting times determined to accommodate students in class.

**FA872 TECHNICAL THEATRE II****Elective | Freshmen-Seniors****Quarter Course offered over semester | .25 Units****Prerequisite | Technical Theatre I**

This course will build on the skills of Technical Theatre I. Set design and lighting design will be the focus of this class as well as working with more advanced equipment and materials.

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

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

## DANCE ELECTIVES

### FA871 MUSICAL THEATRE DANCE I

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

This course will serve to introduce students to various dance technique and choreography specific to Musical Theatre performance. The essentials of musical theatre history will be explored as students learn movement vocabulary based on historically relevant choreographers. Students will be able to successfully execute foundational dance skills relevant to musical theatre repertoire both through choreography and across-the-floor vocabulary. They will develop tools to learn and retain choreography in both audition and rehearsal settings and will increase their flexibility to change phrases of movement in unusual and/or unexpected circumstances as often experienced in a true musical production process. Students will also learn how to use character development and storytelling as the central tool of musical theatre dance expression via a strong understanding of dynamics, intention, rhythm, line, and movement narrative.

### FA867 DANCE I

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

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

### FA868 DANCE II

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

**Department approval required**

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

### FA879 DANCE III/IV

**Elective Freshmen-Seniors**

**Semester Course | .50 Units**

**Department approval required**

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

**NERINX HALL**  
**Health and Physical Education Course Sequence**  
**2019-2020**

1.25 credits required

GRADE 9	GRADE 10	GRADE 11	GRADE 12
9th Grade P.E. .25	10th Grade P.E. .25 Health Education .5		
	<div data-bbox="451 558 1523 638" style="background-color: #0099cc; color: white; padding: 5px;"><b>ELECTIVES</b></div> <p>Choose one.</p> <p>Archery/Badminton .25</p> <p>Competitive Sports and Games .25</p> <p>Strength and Conditioning .25</p> <p>Bowling and Recreational Games .25</p>		

## HEALTH AND PHYSICAL EDUCATION

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

9<sup>th</sup> Grade Physical Education,

10<sup>th</sup> Grade Physical Education, and Activity classes meet for one quarter. 10<sup>th</sup> Grade Health Education meets for 1 semester.

### COURSE SEQUENCE

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

#### PE602 9<sup>TH</sup> GRADE PHYSICAL EDUCATION

**Required | Freshmen**                      **Quarter Course | .25 Units**

This course covers the fundamental skills in field hockey, volleyball, physical fitness and introduction to the weight room. The students are tested on their physical skill in the activity along with a written test covering history, rules and techniques.

#### PE602 10<sup>TH</sup> GRADE PHYSICAL EDUCATION

**Required | Sophomores**                      **Quarter Course | .25 Units**

This course covers the fundamental skills in basketball, flag football, and physical fitness. The students are tested on their physical skills in the activity along with a written test covering history, rules and techniques.

#### 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**  
**2019-2020**

Three credits required; four recommended

GRADE 9	GRADE 10	GRADE 11	GRADE 12
Algebra I Basic or Algebra I Regular or Algebra I Honors or Algebra II/Trig Honors	Geometry Basic or Geometry Regular or Geometry Honors	Algebra II or Algebra II/Trig Regular or Algebra II/Trig Honors or Pre-Calculus Honors or Advanced Pre-Calculus Honors	Trig & Advanced Math or Pre-Calculus Regular or Pre-College Algebra or Advanced Pre-Calculus Honors or AP Calculus AB Honors or Calculus Honors*  <div style="background-color: #0070C0; color: white; padding: 5px; text-align: center;"><b>ELECTIVES</b></div> 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. Freshmen are placed in Algebra I, Algebra I Honors, or Algebra I Basic based on standardized test scores, placement test scores, and grades.

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.

### COURSE SEQUENCE

Traditional 3-4 Year Program

- 1<sup>st</sup> Year: Algebra I or Algebra I Basic
- 2<sup>nd</sup> Year: Geometry or Geometry Basic
- 3<sup>rd</sup> Year: Algebra II/Trigonometry or Algebra II
- 4<sup>th</sup> Year: PreCalculus, PreCollege Algebra, or Trigonometry & Advanced Math

College Calculus/Honors Program (One of the following should be selected.)

- For students entering without Algebra I
- 1<sup>st</sup> Year: Algebra I Honors (1 full year)
  - 2<sup>nd</sup> Year: Geometry Honors (1 full year)
  - 3<sup>rd</sup> Year: PreCalculus Honors (1 full year)
  - 4<sup>th</sup> Year: Calculus Honors (1 full year)

- For students entering with Algebra I
- 1<sup>st</sup> Year: Algebra II/Trigonometry Honors (1 full year)
  - 2<sup>nd</sup> Year: Geometry Honors (1 full year)
  - 3<sup>rd</sup> Year: Advanced PreCalculus Honors (1 full year)
  - 4<sup>th</sup> Year: Calculus Honors (1 full year)

For students who wish to follow an Honors Program without Calculus.

- 1<sup>st</sup> Year: Algebra I Honors (1 full year)
- 2<sup>nd</sup> Year: Geometry Honors (1 full year)
- 3<sup>rd</sup> Year: Algebra II/Trigonometry Honors (1 full year)
- 4<sup>th</sup> Year: Advanced PreCalculus Honors (1 full year)

#### MT200 ALGEBRA I

**Yearlong Course | 1 Unit**

In this first year algebra course, the emphasis is on understanding the basic 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.

#### MT291H ALGEBRA I (HONORS)

**Yearlong Course | 1 Unit**

This is a more sophisticated course involving basic 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.

#### MT210 ALGEBRA I BASIC

**Yearlong Course | 1 Unit**

This course is designed to introduce the student to the principles of algebra, providing the student with practice in applying algebraic concepts and skills. Although less rigorous, this course will cover the same topics covered in the Algebra I course. Use of graphing calculators is introduced.

#### MT206 GEOMETRY

**Prerequisite | Algebra I**

**Yearlong Course | 1 Unit**

This course acquaints the student 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.

#### MT292 GEOMETRY (HONORS)

**Prerequisite | Algebra I Honors. Or Algebra II Trigonometry Honors**

**Yearlong Course | 1 Unit**

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

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

#### MT211 GEOMETRY BASIC

**Prerequisite | Algebra I Basic**

**Yearlong Course | 1 Unit**

This course is for students who previously took Algebra I Basic. It will acquaint students with some of the fundamental properties of plane and solid Euclidean geometry, but at a less rigorous pace than Geometry. Geometry software (Sketchpad) is used to aid in geometric discoveries. The graphing calculator is also used.

**MT215 ALGEBRA II**

Yearlong Course | I Unit

**Prerequisite | Algebra I Basic and Geometry Basic**

This course is designed for students who previously took Algebra I Basic. It will go over many of the same topics as Algebra II Trig, but at a less rigorous pace and will leave Trigonometry for the following year. This course includes more in-depth use of graphing calculators.

**MT214 ALGEBRA II/TRIGONOMETRY**

Yearlong Course | I Unit

**Prerequisite | Algebra I and Geometry**

This course is designed for students with a background in Algebra I. Linear, quadratic and other polynomial functions are studied. Students are introduced to exponential functions. In addition, a substantial treatment of trigonometric functions is included. Use of graphing calculators is an integral part of this course.

**MT293H ALGEBRA II/TRIGONOMETRY (HONORS)**

Yearlong Course | I Unit

**Prerequisite | Algebra I Honors or passing grade on test-out test**

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

**MT213H PRECALCULUS (HONORS)**

Yearlong Course | I Unit

**Prerequisites | Algebra I Honors & Geometry Honors**

This course is designed for juniors who took Algebra I Honors freshman year and intend to take Calculus senior year. This is an accelerated course with major emphasis on functions. This includes linear, quadratic, polynomial, exponential, and trigonometric functions. Other topics studied are sequences and series, matrices, conic sections, and complex numbers. Use of graphing calculator is an integral part of this course.

**MT223 TRIGONOMETRY & ADVANCED MATH**

Yearlong Course | I Unit

**Prerequisite | Algebra II**

This course is designed for students with a background in Algebra I Basic, Algebra II, and Geometry Basic. 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 | I Unit

**Prerequisite | Algebra II/Trigonometry**

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

**MT222 PRECOLLEGE ALGEBRA**

Yearlong Course | I 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. While less rigorous than PreCalculus, it is more rigorous than Trigonometry & Advanced Math.

**MT295H ADVANCED PRECALCULUS (HONORS)**

Elective | Juniors and Seniors

Yearlong Course | I Unit

**Prerequisite | 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, and complex numbers. Use of a graphing calculator is an integral part of this course.

**MT296H CALCULUS (HONORS)**

Yearlong Course | I Unit

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

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

**MT297H AP CALCULUS AB (HONORS)**

Yearlong Course | I Unit

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

This course is designed for honors students who have completed a PreCalculus Honors or Advanced PreCalculus Honors course. This course will use a great deal of technology with major emphasis on derivatives and integrals. It is designed to be comparable to a first semester Calculus I college course. The purpose of this course is to prepare students for the Advanced Placement Calculus 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 | I Unit

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

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

**MT294H AP STATISTICS (HONORS)****Elective | Seniors****Yearlong Course | 1 Unit****Co-requisites | PreCalculus (regular or honors)**

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

**NERINX HALL**  
**Science Course Sequence**  
**2019-2020**

Three credits required; four recommended

GRADE 9	GRADE 10	GRADE 11	GRADE 12
9th Grade Physics or 9th Grade Physics Honors	Chemistry or Chemistry Honors	Biology or Biology Honors	
<b>ELECTIVES</b>			
	Astronomy .5		
		Senior Physics 1.0 Intro to Forensics .5 Environmental Science .5 Costa Rica Trip .25	
			Anatomy and Physiology 1.0 AP Biology Honors 1.0 AP Chemistry Honors 1.0 AP Physics Honors 1.0 Independent Study .5 ECO-ACT Anthropology

\*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, and science explorations provide opportunities for students interested in a fourth year of science.

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

### COURSE SEQUENCE

#### Typical Course of Study

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

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

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

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

#### *S1321* 9TH GRADE PHYSICS

**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, gravity, momentum, 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.

#### *S1322H* 9TH GRADE PHYSICS (HONORS)

**Yearlong Course | 1 Unit**

**Department approval required**

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

#### *S1306* CHEMISTRY

**Required | Sophomores**

**Yearlong Course | 1 Unit**

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

**Department approval required**

This is an introductory chemistry course in which study the nature of matter 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 thermoschemistry. Students are encouraged to recognize the chemistry that they encounter every day and to seek science information in publications.

#### *S1391H* CHEMISTRY (HONORS)

**Elective | Sophomores**

**Yearlong Course | 1 Unit**

**(Fulfills the Chemistry requirement)**

**Prerequisite | Honors level math**

**Department approval required**

Chemistry Honors is an accelerated college prep chemistry course for students concurrently enrolled in the honors level math. The course will cover traditional topics in inorganic chemistry with an emphasis on qualitative and quantitative analysis. Students will learn to keep a well-organized laboratory notebook.

#### *S1301* BIOLOGY

**Required | Juniors**

**Yearlong Course | 1 Unit**

**Prerequisite | Chemistry or Chemistry Honors**

**Department approval required**

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

#### *S1303H* BIOLOGY (HONORS)

**Elective | Juniors**

**Yearlong Course | 1 Unit**

**(Fulfills the Biology requirement)**

**Prerequisites | Teacher recommendation and Department approval**

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

**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 gases. Laboratory work is an integral part of this course. Labs are performed with computerized sensors and software, students are required to write lab reports using Excel to display and analyze data. Approximately 1.5 hours of homework, including both conceptual questions and calculations, will be assigned per class.

**SI394H AP CHEMISTRY (HONORS)****Elective | Seniors** **Yearlong Course | 1 Unit****Prerequisite | Chemistry/Honors Math level****Department approval required**

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

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

**SI304H AP BIOLOGY (HONORS)****Elective | Seniors** **Yearlong Course | 1 Unit****Prerequisite | B- minimum in Chemistry and Biology****Department approval required**

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

**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 cultivate their understanding of Physics through inquiry-based investigations as they explore these topics: kinematics; dynamics; circular motion and gravitation; energy; momentum; simple harmonic motion; torque and rotational motion; electric charge and electric force; DC circuits; and mechanical waves and sound. Nineteen 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.

**SI308 ANATOMY AND PHYSIOLOGY****Elective | Seniors****Yearlong Course | 1 Units****Prerequisite | At least a B average in Biology/Chemistry****Department approval required**

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

**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 music, art and religion.

**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. Fee is set by Eco-Act program.

**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 cosmology 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.

**SI360 ENVIRONMENTAL SCIENCE****Elective | Juniors and Seniors Semester Course | .50 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.

**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 | Rising Juniors & Seniors .25 Units**

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

**NERINX HALL**  
**Social Studies Course Sequence**  
**2019-2020**

Three credits required; four recommended

GRADE 9	GRADE 10	GRADE 11	GRADE 12
World Studies .5 or Advanced World Studies .5	World Studies II 1.0 or AP World History 1.0	US History 1.0 or US History Honors* 1.0 or Interdisciplinary US History Honors* 1.0	American Politics and the Constitution .5 or American Politics and the Constitution Honors .5
<b>ELECTIVES</b>			
The Close-up Experience .25			
Eastern Cultures Honors .5 The Holocaust .25 21st Century World Issues .25 History of the Civil War .5 Introduction to Psychology .5 Introduction to Sociology .5 Women in History .5			
Everyday Economics .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 Advanced World Studies I

2nd Year: World Studies II or AP World History

3rd Year: US History, US History Interdisciplinary, or US History Honors. Electives include Western Civilization Honors: The Modern Era, Eastern Cultures Honors, Introduction to Psychology, Everyday Economics, 21st Century World Issues, The Holocaust, Close Up Experience, and Introduction to Sociology

4th Year: American Politics or American Politics Honors. Electives include Western Civilization Honors: The Modern Era, Eastern Cultures Honors, Introduction to Psychology, History of the Civil War, 21st Century World Issues, The Holocaust, Close Up Experience, Women in History, and Introduction to Sociology.

#### 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 human civilizations and cultures throughout the world up to the fall of the Roman Empire by 500 A.D. Students will be introduced to social science skills, methods, reading for understanding, critical thinking and written analysis, and be able to evaluate human history from a global perspective. 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.

#### SS132 ADVANCED WORLD STUDIES I

##### Fulfills World Studies I Requirement | Freshman

##### Semester Course | .50 Units

##### Freshmen who are interested in taking AP World History as Sophomores

The purpose of Advanced World Studies I is to expose students to the rigor of an AP curriculum and build the necessary skills to achieve success in future AP-level history classes. This course, though designed to contain the rigor necessary to lead into an AP course, will ideally be self-selected by interested students, who will then be able to ascertain first-hand whether an AP curriculum is best for them in the following years. This course will cover the same content as World Studies I, but will focus on the skills necessary to be prepared for AP World History the following year.

#### 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.

**SS130<sup>H</sup> AP WORLD HISTORY (HONORS)****Fulfills World Studies II requirement | Sophomores****Yearlong Course | 1 Unit****Recommendation of previous/current teacher****Department chair approval required**

The AP World History course is an honors level course that focuses on developing students' understanding of world history from approximately 8000 B.C.E. to the present. All students in the course are required to take the exam. Students will be analyzing college level readings throughout the entirety of the course. The course has students investigate the content of world history for significant events, individuals, developments, and processes in six historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides five themes (interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; development and transformation of social structures) that students explore throughout the course in order to make connections among historical developments in different times and places encompassing the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania. Students are required to take the Advanced Placement exam that is administered in May. Students will be assessed the fee set by the College Board. The estimated fee is \$95.

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

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

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

**SS192<sup>H</sup> INTERDISCIPLINARY US HISTORY/US LITERATURE (HONORS)****Elective | Juniors****Yearlong Course | 1 Unit****(Fulfills U.S. History requirement)****Minimum cumulative of 3.5 GPA****Minimum of A- in previous/current required social studies class throughout entire year****Approval from English and Social Studies Departments is required.****Recommendation of previous/current teacher****Department chair approval required**

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

**SS193<sup>H</sup> US HISTORY (HONORS)****Elective | Juniors****Yearlong Course | 1 Unit****(Fulfills U.S. History requirement)****Minimum of A- in most recent required Social Studies class, maintained throughout entire course****Minimum cumulative 3.50 GPA****Department chair approval required**

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. As a college-level course, students are eligible to receive College Credit through Saint Louis University's 1818 Advanced College Credit Program.

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

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

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

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

**SS194H AMERICAN POLITICS (HONORS)**

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

**Minimum of A- in most recent required Social Studies class, maintained throughout entire course**

**Minimum cumulative 3.50 GPA**

**Department chair approval required**

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

**SS110H EASTERN CULTURES (HONORS)**

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

**Minimum of A- in most recent required Social Studies class, maintained throughout entire course**

**Minimum cumulative 3.50 GPA**

**Department chair approval required**

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.

**SS107 THE HOLOCAUST**

**Elective | Juniors and Seniors Quarter Course | .25 Units**

This course will examine the time period surrounding the Holocaust in Europe during the 1930s and 1940s and use this tragedy as a starting point for an examination of genocide, intolerance, and the political ideology of hate. Students will examine the roots of the Holocaust: Antisemitism, racism, intolerance, and fear, and see how the Nazi Party used these deep-seeded prejudices to incite a genocide. Students will also examine how these same prejudices affect our modern life at the international, national, and local level. The class will utilize primary and secondary sources, documentaries, and the St. Louis Holocaust Museum and Learning Center in an effort to understand the impact of intolerance, and how the world continues to grapple with genocide and hate.

**SS133 HISTORY OF THE CIVIL WAR**

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

This course will allow students to examine one of the most important formative eras of our country, the Civil War, and examine its causes and impact in modern times. This class will examine the beginnings of the war, starting with the importation of slavery, moving through the abolition movement, and into the war itself. Students will use primary and secondary documents along with documentaries and historical films to examine the battles, the politics, and the everyday life that occurred during this time. Students will also analyze how St. Louis helped to shape the war, with investigations into local sites of historical importance such as the Old Courthouse, Saint Louis University (the site of Camp Jackson) and Lyon Park (the site of the St. Louis Arsenal). Students will be expected to analyze the importance of this time in our nation's history, and explain how the impact of this era can still be seen, and felt, today.

**SS112 21ST CENTURY WORLD ISSUES**

**Elective | Juniors and Seniors Quarter Course | .25 Units**

The purpose of this course is to introduce juniors and seniors to the current events that affect students daily and to provide enough post World War II background information to give students an understanding of the profound changes in the world since the beginning of the 21<sup>st</sup> Century. Students in 21<sup>st</sup> Century will be exposed to major issues and conflicts that have shaped their entire lives.

**SS140 WOMEN IN HISTORY**

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

Women in history 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 truth of women's history.

**SS198 EVERYDAY ECONOMICS**

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

This course will introduce students to the vital role that economics plays in our everyday life. Topics will include scarcity, supply and demand, international trade, and the role of government in economics. An emphasis will be placed on applying current events to economic principles to address issues of social concern.

**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 study psychological concepts through project-based learning, with emphases on research, group work, and everyday applications.

Introduction to Psychology will not be offered in the 2020-2021 school year, but will be offered again in the 2021-2022 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 project-based learning, with emphases on research, group work, and everyday applications.

Sociology will be offered in the 2020-2021 school year.

**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 Studies department outside of the registration period.

**NERINX HALL**  
**World Languages Course Sequence**  
**2019-2020**

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 AP French Language and Culture AP Spanish Language and Culture	

\*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 | I 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 | I 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 | I 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 | I 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. The Honors Level III courses conform to the curriculum expectations of Saint Louis University through which students may choose to earn college credit.

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

*WL516H* FRENCH IV (HONORS)

*WL513H* GERMAN IV (HONORS)

*WL533H* MANDARIN IV (HONORS)

*WL514H* SPANISH IV (HONORS)

Elective

Yearlong Course | 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. The Honors Level IV courses conform to the curriculum expectations of Saint Louis University through which students may choose to earn college credit. University liaisons visit the classes periodically and confer with the instructors. The course provides an enriched learning environment, demanding levels of student performance and additional requirements for both creative projects and independent research.

*WL522H* AP FRENCH LANGUAGE & CULTURE (HONORS)

*WL525H* AP GERMAN LANGUAGE & CULTURE (HONORS)

*WL520H* AP SPANISH LANGUAGE & CULTURE (HONORS)

Elective

Yearlong Course | 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, Juniors, Seniors**

**Quarter Course | .25 Unit**

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

The French Exchange program is a long-standing and unique cultural experience with the Lycée Notre Dame high school in Chartres France, an hour southwest of Paris. Participants correspond with their French penpal in the spring, stay with them the first two weeks of June, and then host them in St. Louis for two weeks in October.

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.

### EL1006 YEARBOOK

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

**Hybrid/Online Class**

This class aims mainly at producing 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.

### EL1009 LORETTO SPIRITUALITY IN ACTION

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

**Service Learning Department**

The primary goal of this course is to expand upon the student's service learning experience using a praxis model of faith in action. Course work is accompanied by an in-depth service learning experience. The theological framework for the class will be personal encounter: between self and neighbor (action), between self and God (contemplation), and between self in formation (integration). Students will be formed in the Loretto tradition, looking for area of need in our world and working to meet those needs. Students participating in this course will be required to complete an additional 20 service hours beyond their service learning requirements. Most of this service should take place over the summer in order for the class reflections to be relevant, this course will meet first quarter. Students may take this course for St. Louis University 1818 credit.

## SUMMER COURSES 2020

### REMINDERS

Please remember that academic credit is given for summer courses at Nerinx Hall. Therefore, daily attendance is required. Check your calendar carefully before registering for summer classes. Students who have planned time away should not register for a summer class. Enrollment is determined on a first-come, first-served basis. Registration is online via Google Form available to students beginning February 18, 2020. Tuition for courses is listed below.

**Please note: A \$50 course change fee will be assessed for summer course registration withdrawal after March 13.**

#### CS100SS COMPUTER SCIENCE I

Required | Freshmen

Summer Course | .50 Units

June 1-June 26 | Monday-Friday 8:30-11:00 am June 1-June 26 | Monday-Friday 11:30 am – 2:00 pm Tuition | \$400 + book

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

#### CS120SS COMPUTER SCIENCE II

Required | Freshmen-Juniors

Summer Course | .50 Units

Prerequisite | Computer Science I

June 1-June 26 | Monday-Friday 8:30-11:00 am June 1-June 26 | Monday-Friday 11:30 am – 2:00 pm Tuition | \$400 + book

Students will expand upon the skills learned in Computer Science I, however the primary focus here is an introduction to coding. The course begins with a brief review of the binary number system and computer memory. Students will then be introduced to the basics of website encoding. The topic of 3D printing is revisited, with projects involving more complicated design specifications. Students will be introduced to basic programming languages such as Python and JavaScript.

#### TH705SS SACRAMENTS, ENCOUNTERS WITH CHRIST

Required | Juniors

Summer Course | .50 Units

June 1-June 26 | Monday-Friday 8:30-11:00 am

Tuition | \$400 + books

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

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

Daily attendance is mandatory.

#### FA880SS HUMANITIES (SUMMER COURSE OFFERING)

Elective | Incoming Juniors & Seniors

Summer Course | .50 Units

June 8-June 26 | Monday, Wednesday, Friday 1:00-4:00 pm Trip Dates: July 5<sup>th</sup> – July 18<sup>th</sup> Tuition: \$400 + cost of trip + book

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

#### FA853SS OIL PAINTING I/II

Elective | Incoming Freshmen-Seniors

Summer Course | .25 Units

June 2 – June 30 | Tuesday & Thursday 1:00-4:00 pm Tuition | \$200 + course fee of \$60 to cover cost of art supplies, instructional and/or reference books.

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

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

Elective | Incoming Freshmen-Seniors

Summer Course | .25 Units

June 1 – June 22 | Monday, Wednesday, Friday 5:00-8:00 pm

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

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



## COUNSELING

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

### **Nerinx 101**

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

### **Nerinx 201**

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.

### **Nerinx 301**

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

### **Jump Start**

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

Registration in the spring is required.

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

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

## COLLEGE CREDIT PROGRAMS

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

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

No course may be dropped from or added to a transcript after the completion of a course. After a student has graduated from high school, she should request the university to transfer her college credits to the institution she will attend. Students are advised to check with the college of their choice to verify the acceptance of 1818 credit.

There are two registration periods: August/September and December/January. Eligible students register for credit based on the term the course begins.

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

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

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

Fine Arts: Humanities (Honors); Summer Humanities; Advanced Acting II/IV, Advanced Drawing (pending approval)

Math: Calculus Honors

Science: AP Physics Honors

Social Studies: US History Honors (with or without Interdisciplinary); Western Civilization: The Modern Era Honors;

Theology: Theological Foundations, Loretto Spirituality in Action

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

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

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

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

American Politics Honors

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

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

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

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

### ADVANCED PLACEMENT EXAMS

Students enrolled in AP courses will be required to take the AP exam. Please note that each exam is estimated at \$94. Advanced Placement tests are administered in May on dates established by the College Board. These tests, produced by the College Board, provide an opportunity to earn either an advance placement in selected college classes or college credit. Each college or university determines its own policies about placement or credit.

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

AP Computer Science Principles

AP English Literature

AP Studio Art: 2D Design

AP Studio Art: 3D Design

AP Art History

AP Drawing

AP Music Theory

AP Calculus AB

AP Calculus BC

AP Statistics

AP Biology

AP Chemistry

AP Physics

AP World History

AP French Language & Culture

AP German Language & Culture

AP Spanish Language & Culture

## CAMPUS MINISTRY

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

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 at Camp Wyman. Juniors attend a 2 night retreat at Todd Hall. Seniors attend a 2 night retreat at Our Lady of the Snows. Because the spiritual and faith formation of our young women is so vitally important as a part of their life journeys, participation in each of the four school-sponsored retreats is a requirement for graduation.

## SERVICE LEARNING PROGRAM

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

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

### Yearly Service Learning Requirements

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

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

### Expectations

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