

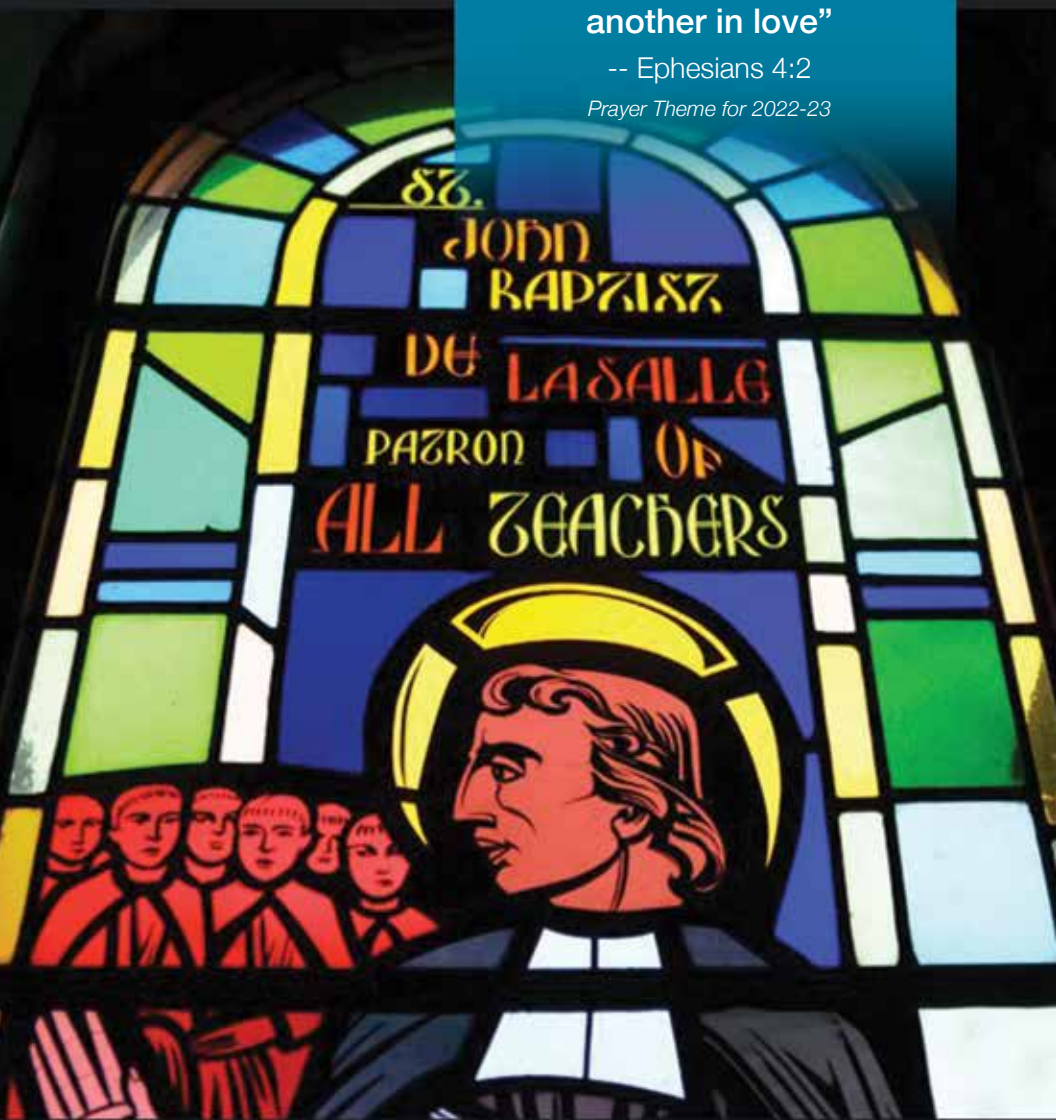
CURRICULUM GUIDE

2022-2023

“Be patient, being with one
another in love”

-- Ephesians 4:2

Prayer Theme for 2022-23



De La Salle

**“Be patient,
being with one
another in love”**

-- Ephesians 4:2

Prayer Theme for 2022-23



DeLaSalle’s Mission Statement

As a diverse community of teachers, learners, alumni, parents and supporters, our mission is to serve students who seek a high-quality, values-based academic preparation for life. We fulfill this mission, in part, by affirming our heritage as a Catholic school in the Lasallian tradition.



Curriculum Guide

2022-23

Table of Contents

| | |
|--|----|
| Table of Contents..... | 1 |
| Admission to DeLaSalle | 2 |
| Graduation Requirements | 2 |
| Four-Year Plan for Graduation | 3 |
| Registration Procedures | 4 |
| Opportunity for College Credits | 5 |
| College Entrance Requirements..... | 6 |
| NCAA Eligibility..... | 6 |
| English..... | 7 |
| Fine Arts, Visual and Performance..... | 10 |
| Mathematics..... | 15 |
| Modern Languages | 20 |
| Physical Education | 23 |
| Science | 26 |
| Social Studies | 30 |
| Theology | 34 |

Admission to DeLaSalle

DeLaSalle is a Catholic high school that seeks to create a community of students from various economic levels, academic abilities, racial communities, and ethnic backgrounds. In the Lasallian tradition of St. John Baptist de La Salle, the school strives to facilitate personal academic success, but also to prepare students to be of service to society. Within the larger tradition of the Catholic Church, DeLaSalle regards spiritual development as a primary educational goal. All students are required to take Theology courses and attend school worship services. Admission to Grade 9 is based on assessment of the following:

- Completion of application forms,
- At least one grade school teacher recommendation regarding academic potential and personal character,
- Entrance exam scores, and
- Middle school transcripts

Admission may be unconditional, or probationary—in which case additional conditions may need to be met before entering ninth grade. Students transferring to Grade 10, 11, or 12 must:

- Provide a high school transcript,
- Provide a letter from a counselor or teacher attesting to academic potential and personal character,
- Interview with the Executive Director for Enrollment and/or Principal,
- If an international student, demonstrate competence in English.

Transfer students are accepted at the start of a quarter/semester, except for special circumstances. To receive a DeLaSalle diploma, Grade 12 transfer students must normally be enrolled for the entire year.

Graduation Requirements

Requirements for a DeLaSalle diploma include:

- 4 years of Theology (for transfers, credit required for each semester enrolled)
- 4 years of English
- 3.5 years of Social Studies
- 3 years of Mathematics
- 3 years of Science
- 2 years of a single Modern Language
- 1 year of Fine Arts
- 1 semester credit in Health is required in Grade 10, 11, or 12
- 1 semester credit in Physical Education:Wellness is required in Grade 10, 11 or 12, and may be fulfilled either as a course or by administrative exemption, upon fulfilling requirements for a waiver.
- 1 semester credit of Physical Education 9
- Passing the Christian Service requirement
- 45 minimum semester credits are required for graduation.

Four-Year Plan

For all students, common requirements in sequence:

- Four years of English are required in Grades 9-10-11-12.
- For entering ninth graders, four years of Theology are required in Grades 9-10-11-12.
 - Theology requirements for Grade 11 and 12 include one required semester course plus a choice of one semester elective.
 - Incoming transfer students must earn one Theology credit for each semester of attendance.
- Christian Service is introduced in Grade 9 and must be completed by the end of the first semester of Grade 12.
- One semester of Social Studies in Grade 9 (World History), plus one full year in Grade 10 (Modern World History and Geography) and Grade 11 (U.S. History or AP U.S. History), and two course choices in Grade 12 (of which one course must be U.S. Government (one semester) or AP U.S. Government (full year), plus one course choice among Anthropology, Economics, or Psychology.
- Three years of Mathematics are required.
- Three years of Science are required, to include at least one full year of a Physical Sciences course, a full year of a Biological/Life Sciences course, and a full year of Chemistry.
- Two years of a single Modern Language are required.
- One year of Fine Arts is required and may be taken in any grade.
- One semester of Physical Education is required in Grade 9.
- One semester credit in Health is required in Grade 10, 11, or 12.
- One semester credit in Physical Education: Wellness is required in Grade 10, 11, or 12, and may be fulfilled either as a course or by administrative exemption, by fulfilling requirements of a Physical Education waiver.



Registration Procedures

1. All **students must register for at least six credits each semester**. Seven courses may be taken, or six courses and one non-credit study hall.
2. A \$350.00 non-refundable registration deposit/fee must be paid to confirm enrollment for the 2022-23 school year. For new students, the registration deposit/fee is paid at the time of registration. Under the Continuous Enrollment model, returning students will have the registration deposit/fee added to the current year's tuition agreement for the March statement.
3. Courses may be canceled due to insufficient number of students registered or changes in personnel. A student's alternative course selections will be used in the case of a course cancellation. NOTE: Preference for alternate course selections will be granted to upperclass students who registered in advance of all deadlines.
4. **Course Drop/Add Policies:** Students are advised to choose courses wisely. The master schedule and instructional personnel are set to accommodate those courses chosen in the spring of the year. If a parent or a student requests a schedule change, it will be governed by the following policies. Students who do not adhere to these policies will not receive credit for classes.
 - a. Once a semester has begun, both the parents and teachers involved must give written approval for a schedule change on a Drop/Add Form, which is available in the Student Services Office.
 - b. If a class is already filled, a request to add that class will not be honored. DeLaSalle is committed to keeping class sizes small and balanced and will not accommodate a change if it means overloading a class. (Note: This may also involve other classes affected by the change).
 - c. A \$25.00 processing fee is assessed whenever a course is dropped. This must be paid before the change is processed.
 - d. Students must follow their current schedule until they receive a new schedule.
 - e. Schedule changes will not be made to accommodate requests for specific teachers or for lunch hour.
 - f. A senior who wishes to be a Teacher Aide and receive credit for the course must complete the Teacher Aide form -- with all appropriate signatures -- and return it to Student Services during the first week of the semester. Students may not be a Teacher Aide and also have a study hall during the same semester.
 - g. Courses dropped during the first two weeks of a semester will not appear on a student's transcript. Any course dropped from 3 – 6 weeks will appear as a W (withdrawn) on their transcript. Any dropped after the 6 week period will appear as a WF (withdrawn fail) or a WP (withdrawn pass) on their transcript, however the WF or WP is not calculated in the student's GPA.

Opportunity for College Credits

- **Advanced Placement (AP) credit** is available via coursework and testing in Biology, Calculus AB, Calculus BC, Chemistry, Chinese, Computer Science A, Computer Science Principles, English Language and Composition, English Literature and Composition, European History, Government, Physics, Psychology (testing only), Spanish, Statistics, Studio Art, and United States History. Any student who wishes to prepare for the AP Test in an area not listed here should see a teacher and counselor early in the year for advice on how to accomplish this goal. **Students who take AP classes are required to take the AP test in May.**
- **PACC credits** (College Credit through St. Mary's University of Minnesota) in AP Calculus BC, AP Language and Composition (AP English 11); AP Literature and Composition (AP English 12); Anatomy and Physiology; and Honors Spanish IV are available for a modest tuition fee to St. Mary's University. A list of colleges and universities accepting PACC credits is available on the St. Mary's University website.
- **GLOBAL ADVANTAGE PROGRAM (.5 credit)** Global Advantage college credits may be available through Hamline University, St. Catherine's University, or St. Mary's University of Minnesota upon completion of a class/travel summer session at DeLaSalle and payment of a fee. Global Advantage Program academic courses combine rigorous academic components with short term travel to international destinations chosen to complement the areas of study. Courses are typically designed through collaboration between DeLaSalle faculty and university professors allowing students to earn college credits for some of the courses. Academics will often combine subject matters – e.g. Art and Science, History and Literature – with preparation of students under the motto “preparation and participation, curiosity and civility”. Additionally, students may apply for longer term exchange opportunities in Argentina, Austria, Bolivia, Costa Rica, Germany, Italy and Slovakia. The experience will last four to eight weeks and students will attend a partner high school while living with a host family. Students may earn DeLaSalle credit for exchange opportunity.



College Entrance Requirements

Admissions policies among the many colleges and universities vary greatly. It is advisable that students check with all colleges of interest for specific requirements. DeLaSalle High School provides course curriculum to meet college preparatory standards. In general, for a four-year college, a student will need 4 years of English, 3-4 years of Mathematics, 3-4 years of Science (3 years of a Lab Science), 3 years of Social Studies and a minimum of 2 years in the same Modern Language.

Students interested in highly selective colleges should take advanced courses; the level of “academic rigor” is important to selective colleges. Students should work closely with admissions counselors at the college or university to which they are applying.

| <i>If you are considering a college for:</i> | <i>Recommendations of courses to take in high school:</i> |
|--|---|
| Liberal Arts | 2-4 years of the same Modern Language |
| Engineering | 4 years of Mathematics plus Chemistry and Physics |
| Business | 4 years of Mathematics |
| Health Careers | 3-4 years of Mathematics and Science |

College admissions counselors will consider the following academic criteria when making admissions decisions:

- Course choices by the student and academic rigor
- Grade Point Average
- ACT and/or SAT Test scores

NCAA Eligibility Requirements

To be eligible to practice and compete in intercollegiate athletics at an NCAA Division 1 or Division 2 institution during the first year in college, students must have maintained a satisfactory high school grade point average in NCAA approved core courses for DeLaSalle High School and have received a satisfactory score on a standardized college entrance examination. Students and parents may log on to the NCAA website (<https://web3.ncaa.org/hsportal/exec/hsAction>) for specific details concerning approved NCAA core courses at DeLaSalle and also how college entrance exam scores are considered for eligibility.





ENGLISH

Students will be introduced to the idea that literature encourages understanding the complexities of the world and our places in it. Moreover, students will learn that literature is a conduit to diverse human perspectives, experiences, and institutions. This will be accomplished through the introduction and development of rhetorical and literary techniques and vocabulary in English courses. The goals of the English department are to inspire and teach a love and understanding of words and how they work, and to form critical thinkers, eloquent speakers, strong and effective writers, and close readers.

COLLEGE PREP ENGLISH 9

2 semesters

English 9 introduces students to foundational skills in speaking, writing, and reading. This is accomplished through reading and analyzing stories from a variety of genres and also through written exercises and assignments. Instruction will focus on grammar, mechanics, effective use of technology, and critical reading and writing.

ENGLISH STUDIES 9

2 semesters

This section of English 9 introduces students to foundational skills in reading, writing and speaking, emphasizing individual improvement in these areas. Incoming 9th graders will be placed in this class based on test scores, recommendations and past performance. The teacher will work individually with students to hone their skills in reading comprehension and writing and to help develop specific strategies that can be applied across disciplines. This course will cover the reading and writing skills required in College Prep English 9, but the double class period will allow for more individualized, in-depth instruction in these areas. Students will read the same texts as College Prep English 9 as well as other choice texts during Silent Sustained Reading, which will take place both within and outside of class every day.

COLLEGE PREP ENGLISH 10

2 semesters

The focus of English 10 is language and communication. Students are introduced to formal speaking and communication techniques, and are provided a more developed understanding of how the English language works and creates meaning. Students will read and analyze a variety of genres that will prepare them for reading canonical literatures in English 11 and English 12.

COLLEGE PREP ENGLISH 11

2 semesters

This American literature course emphasizes the diversity and complexity of the American experience. Students will examine how authorial choices impact audience and outcomes. These understandings will be applied to their own expository and narrative writing. Students will improve their skills in grammar and mechanics through direct instruction and class essays.

COLLEGE PREP ENGLISH 12

2 semesters

English 12 is a course that explores classic literary texts from antiquity and more contemporary works of literature. It is global and historical in its scope. This course also prepares students for college essay writing. A review of grammar and mechanics, the sentence, and the paragraph occurs as needed. Students will write a formal research paper and a college application essay.

ENGLISH HONORS PROGRAM

HONORS ENGLISH 9

2 semesters

Honors English 9 focuses on improving students' skills in reading, writing, and speaking. This will be accomplished through reading and analyzing stories from a variety of genres and also through written exercises and assignments. Instruction will focus on grammar, mechanics, effective use of technology, and critical reading and writing. Honors English 9 is faster-paced and more rigorous than College Prep English 9. To continue into Honors English 10, a student must maintain a semester grade of B or better

Prerequisite: Although this course is self-selected, it is highly recommended that students score 75 percent or higher on the Verbal Ability, Reading, and Language sections of the DeLaSalle Entrance Exam (or show high achievement on comparable national exams). Students who enroll in this course should be intellectually curious and prepared for its rigor. Summer reading is required.

HONORS ENGLISH 10

2 semesters

The Honors English 10 course content and skills are the same as College Prep English 10; however the pace is accelerated, challenging, with increased writing assignments.

Prerequisites: An "A" in English 9 or a "B" or above in Honors English 9 and teacher approval. The teacher's approval will consider test scores, work ethic, consistency of performance, and intellectual curiosity. Summer reading is required.

LANGUAGE AND COMPOSITION: AP ENGLISH 11 2 semesters

Qualified students will develop higher-level thinking and writing skills through rhetorical analysis, reading response journals, narrative, expository, analytical and argumentative essays. They will analyze and evaluate all forms of writing and articulate criticism in mature discussion and effective writing. Students are encouraged to develop a personal style. Students will practice public speaking and larger discussion skills through presentation, debate, and seminar. College credit may be available through the Program for Advanced College Credit (PACC) at Saint Mary's University of Minnesota, and the College Board's Advanced Placement (AP) Examination. Students in AP classes are required to take the AP exam in May.

Prerequisites: A grade of "A" in English 10 or a grade of "B" or above in Honors English 10 and teacher approval. The teacher approval will take into consideration test scores, work ethic, consistency of performance, and intellectual curiosity. Summer reading will be assigned and then assessed during the first week of 11th grade.

LITERATURE AND COMPOSITION: AP ENGLISH 12 2 semesters

A continuation of AP Language and Composition, this course concentrates on developing skills of literary interpretation and sophisticated writing, using a variety of types and styles of literature (poetry, essays, fiction, drama), and concentrating the writing assignments on themes explored in the readings. College credit is available through the PACC program and Advanced Placement (AP) Exam. Students in AP classes are required to take the AP exam in May.

Prerequisites: A grade of "A" in English 11 or a grade of "B" or above in AP English 11 and a teacher approval. The teacher's approval will take into consideration test scores, work ethic, consistency of performance and intellectual curiosity. Summer reading will be assigned.

ENGLISH ELECTIVES

CREATIVE WRITING

1 semester

Student writers will deepen their understanding of the art and craft of literary genres such as poetry, short stories, creative nonfiction, and drama. Using mentor texts and a Writer's Workshop model of instruction, students will create their own literary works. Additionally, students will receive instruction in writing techniques and grammar.

Prerequisites: Open to 10th, 11th and 12th grade students.

INTRODUCTION TO AFRICAN AMERICAN STUDIES 1 semester

This course is an introduction to the study of peoples of African descent in the United States and in the broader African diaspora. We will explore why they have occupied an oppressed position in the U.S. and globally, how their resistance to this oppression has created social change, and how race, gender, and class have shaped their lives. As a "College in the Schools" course, students will be eligible to earn three University of Minnesota credits for a modest tuition fee. A limited number of seats will be available to students who opt to take the class for high school credit only.

Prerequisites: Open to 11th and 12th graders with a teacher approval. The teacher approval will take into consideration work ethic, consistency of academic performance, and intellectual curiosity.



FINE ARTS - VISUAL AND PERFORMING

The Fine Arts Department includes courses in Visual Arts, Music and Theatre. Honors Art and AP Studio Art are offered to students who plan on advancing their artistic skills and creative abilities. Music is seen as a means of expressing oneself either through vocal or instrumental means. The goal is to develop both skills and appreciation, working with others and performing. The performance component includes concerts and, often, a music tour.

FINE ARTS - VISUAL

INTRODUCTION TO VISUAL ARTS

2 semesters

This course will introduce the Elements of Art (line, shape, color, value, form, texture, and space) and the Principles of Design (balance, contrast, emphasis, movement, pattern, rhythm, and unity) to help students analyze artworks and to give students the opportunity to become acquainted with different techniques and mediums. Art history from the past to present will be presented by learning about different artists and the skills used to create their work. Students will learn about studio art techniques in drawing, painting, printmaking, and collage as well as digital artmaking techniques in photography, graphic design, and digital art. Students will participate in critiquing and providing feedback to their peers. This course provides a strong foundation for the other art courses offered, as well as an appreciation for art.

Open to 9th and 10th grade students.

THE ART EXPERIENCE

1 semester

The Art Experience is an introductory visual arts course designed for 11th and 12th grade students. This class provides a general overview of two-dimensional techniques in visual art and will highlight a variety of artistic techniques, styles, media, artists, and contexts. During this course, students will explore drawing, painting, design, and photography techniques. They will become comfortable discussing and analyzing historical, contemporary, and personal artwork.

Open to 11th and 12th grade students who have not previously taken a studio art class.

DRAWING AND PAINTING

1 semester

The first portion of this course offers experiences to help students build on their drawing skills and techniques. Students will use a variety of drawing media including pencil, charcoal, pastels, ink and colored pencils. Assignments will include drawing objects from nature, faces, photos, still life and the imagination. The second half of the semester is designed for students to express themselves with paint on paper, canvas and other supports. We will work primarily with acrylic and some watercolor. Students will learn about color theory, mixing color and explore different techniques while learning about the fine art of painting. Materials are provided.

Open to 10th, 11th, and 12th grade students.

Prerequisites: Introduction to Visual Arts or The Art Experience.

GRAPHIC DESIGN I

1 semester

Graphic Design I is an introduction to the world of graphic art and design through the use of computer software and hardcopy production. Graphic elements and design principles will be emphasized as students use problem-solving skills to plan, design and execute a variety of graphic design projects. Projects may include, but are not limited to: logo design, school posters, descriptive lettering, business cards, cartooning, and a graphic arts presentation.

Open to 10th, 11th, and 12th grade students.

Prerequisite: Introduction to Visual Arts or The Art Experience.

GRAPHIC DESIGN II

1 semester

Using Adobe Photoshop, Illustrator and InDesign, students who have demonstrated talent in Graphic Design I will develop their skills with attention to design elements, professional layout and artistic expression. Course projects will require creativity, imagination, effort and attention to detail. Projects may include, but are not limited to: themed series, branding, web page design, marketing campaign, and artistic drawing.

Open to 10th, 11th and 12th grade students.

Prerequisites: Graphic Design I and department approval.

PHOTOGRAPHY I

1 semester

Students will learn the basic principles of creating and composing a strong photograph, photography career options, the manipulation of digital photography with Adobe Photoshop and Adobe Bridge, and the practical application of digital photography as an art form. Students will be required to take many photographs of people, landscapes, objects and activities. The school provides digital cameras for student use during this course.

Open to 10th, 11th and 12th grade students.

PHOTOGRAPHY II

1 semester

Photography II is an extension of Photography I. Students will review manual camera settings before exploring topics more in depth and developing their own artistic style. Students will investigate historical photographers and a range of photographic genres, and will have the opportunity to select a topic of interest for a more individualized instruction and portfolio development. Photography II students should expect to help cover school events and address photographic needs of real clients.

Open to 10th, 11th, and 12th grade students.

Prerequisite: Photography I

HONORS PHOTOGRAPHY

1 semester

Honors Photography is an extension of Photography II. We review manual camera settings before exploring topics more in depth and encourage students to develop their artistic voice. Honors Photography collaborates with Photography II students as they work with clients (ie: Yearbook and Admissions) to help cover events or address photographic needs of others outside of class. The curriculum would be student-centered, individualized (rather than differentiated) and would encourage individual exploration of photography topics as students connect their work to, creative processes, visual communication skills, and photographic history knowledge.

Open to 11th and 12th grade students.

Prerequisite: Photography II and department approval

HONORS ART I

2 semesters

Honors Art I is a course for students who have a passion for art and want to continue on with art as an elective. Students will work on improving their skills in the fine arts through painting, drawing and creating with a variety of different mediums.

Open to 11th and 12th grade students.

Prerequisites: Introduction to Visual Arts and Drawing/Painting

HONORS ART II

2 semesters

This course is for the student who would like to focus on their art skills and techniques at a higher level. Assigned and Independent projects created with teacher guidance will give the students the freedom and opportunity to work on creating a portfolio in preparation for college-level courses. A culmination of work throughout the year will be displayed at a fine arts festival at DeLaSalle.

Open to 12th grade students.

Prerequisites: Introduction to Visual Arts, Drawing/Painting, and Honors Art I

AP STUDIO ART

2 semesters

This advanced-level course offers students the opportunity to work on a portfolio in preparation for post-graduate work. Each student will have the opportunity to submit this portfolio to the College Board for AP Studio Art and possibly earn college credit. Students will focus on a variety of independent projects giving them the freedom to pursue, with guidance, contexts, themes, subjects and techniques that will help them advance to a higher level of artistic expression. The course will culminate with a senior exhibit.

Open to 12th grade students.

Prerequisites: Introduction to Visual Arts, Drawing and/or Painting, Honors Art and department approval.

MEDIA PRODUCTION AND BROADCAST JOURNALISM *1 semester*

This course is designed for the study and practice of the basic elements of broadcast journalism and media production. Students will learn technical and specialized skills including script writing, directing, and camera, skills such as lighting, sound and editing. The journalism emphasis will cover the study of the basic principles of print and online journalism as they examine the role of visual and audio news media in our society. Students learn investigative skills, responsible reporting, and journalistic writing techniques as they read, respond to, write and produce their own videos, podcasts, audio news and media productions.

Open to 10th, 11th and 12th grade students



FINE ARTS - PERFORMING

INTRODUCTION TO THEATRE

1 semester

This course is an introduction and overview of the major creative elements in theatre arts. Students will gain an appreciation of theatre by exploring the various elements that create theatre: examining the portrayal of human experience on stage across history, analyzing play scripts and exploring the theatrical creative process.

Open to 11th and 12th grade students.

BEGINNING BAND

2 semesters

The Beginning Band, also known as first year band is the introductory performing instrumental ensemble in the music department. Emphasis is given on developing breathing techniques, learning notation, theory, and musicianship within an ensemble. The ensemble will practice and perform music that is developmentally appropriate in the keys of Concert Bb, Eb, and Ab major. Students can provide their own instruments or rent them through the school for a small fee. All instrumentalists are expected to practice daily.

Prerequisites: 1 full year of piano lessons are required for percussion students.

CONCERT BAND

2 semesters

The Concert band is the middle level instrumental performing ensemble at DeLaSalle. Within the ensemble are proficient instrumentalists with performing experience. The ensemble will spend time developing tone, scales, rhythm, breathing techniques, and blending within the ensemble. The Concert band performs regularly in conjunction with all other performing ensembles and plays developmentally appropriate music of a variety of styles and genres in all major keys. Students can provide their own instruments or rent them through the school for a small fee. All instrumentalists are expected to practice daily.

Prerequisites: Two years experience with the instrument, an audition, and department approval.

SYMPHONIC BAND

2 semesters

The Symphonic Band is the top wind ensemble in the music department. This auditioned ensemble consists of advanced instrumentalists at DeLaSalle. The ensemble will spend time developing tone, scales, rhythm, breathing techniques, and blending within the ensemble. The Symphonic Band performs regularly with all ensembles and plays developmentally appropriate music of a variety of styles and genres in all major keys. Students can provide their own instruments or rent them through the school for a small fee. All instrumentalists are expected to practice daily.

Prerequisites: An audition and department approval.

CHAMBER ORCHESTRA

2 semesters

The Chamber Orchestra is the top string ensemble in the music department. This auditioned ensemble consists of advanced string instrumentalists at DeLaSalle. The ensemble will spend time developing tone, scales, rhythm, and building of musicianship and leadership skills within the ensemble. The repertoire of the orchestra consists of western classical pieces and a variety of music of different genres and styles. The Chamber Orchestra performs as a large ensemble, in small groups, as well as in conjunction with every performing ensemble at DeLaSalle. Students can provide their own instruments or rent through the school for a small fee. All Instrumentalists are expected to practice daily.

Prerequisites: An audition and department approval.

BEL CANTO CHOIR

2 semesters

This course is designed for all ninth grade students to introduce and develop basic singing techniques, sight-reading skills and basic music theory concepts. This group performs at the Christmas and Spring concerts, various liturgies, and activities through the year. Attendance is required at all performances.

CONCERT CHOIR

2 semesters

The Concert Choir is an advanced, select group that performs music from a wide variety of styles and offers opportunities to sing in small ensembles and solos. Concerts are performed periodically throughout the year, often culminating in a tour in the spring with the Symphonic Band and/or Chamber Orchestra.

Open to 10th, 11th, and 12th grade students, with department approval.

LIT MUSIC IN SOCIETY-Introduction to Music Production 1 semester

If you appreciate popular music, beats, harmonies, and just getting lost in the vibe; here is a class that will discuss every aspect of what you love about music. In this course, students will be introduced to the music they already know, may be aware of, or have never heard of before. We will give a deep analysis on every aspect of beats, harmonies, melodies, instrumentation, and introduction to music production. Students will create, critique, learn, and develop greater knowledge of music, the creation process, and the theory behind what makes music lovable. Through residencies with local and national recording artists, producers, rappers, DJs, and MC's, students will have an in-person experience on how the process comes together as a whole.

Open to 10th, 11th, and 12th graders.



MATHEMATICS

Students at DeLaSalle are encouraged to take four years of mathematics, although three years are required for graduation. Most colleges and universities require the successful completion of Algebra II for admission. Students entering Grade 9 are placed in Algebra I, Advanced Algebra I or into the Honors Program. Placement in mathematics is based on scores from the Math Mastery Exams, as well as a departmental review of standardized test scores and middle school records. For Grades 10, 11, and 12, placement is based upon completion of prerequisite courses as well as teacher recommendation, and student and parent input.

Students are required to have a scientific calculator for Algebra 1, Advanced Algebra 1, and all Geometry courses. Beginning with Algebra 2, students are required to have a Texas Instrument graphing calculator. Graphing calculators are available for rent from the Mathematics department.

Here are a typical and suggested sequences of courses:

- Algebra I or Advanced Algebra I → Geometry → Algebra II → Precalculus
- (For students who have tested out of Algebra I) Honors Algebra II → Honors Geometry or Geometry → Honors Precalculus or Precalculus → AP Calculus AB or Calculus
- (For students who have tested out of both Algebra I and Geometry) Honors Algebra II → Honors Precalculus or Precalculus → AP Calculus AB or Calculus → AP Calculus BC

MATHEMATICS PROGRAM

ALGEBRA I

2 semesters

Students will study the solving and graphing of linear equations, inequalities, and systems. Students will then progress to topics that include: exponents and exponential functions, polynomials and factoring, quadratic equations and functions, radicals and geometry connections, rational equations and functions, and probability and data analysis. Algebra will be used to model real-life problems and involve the use of classroom graphing calculators or student iPads.

ADVANCED ALGEBRA I

2 semesters

Students will review solving and graphing linear equations, inequalities, and systems. Students will then study topics that include: exponents and exponential functions, polynomials and factoring, quadratic equations and functions, radicals and geometry connections, rational equations and functions, and probability and data analysis. Additional topics as time allows may include: matrices and linear programming, discrete mathematics, and logic and proof. Algebra will be used to model real-life problems and involve the use of classroom graphing calculators.

Prerequisite: Demonstrated proficiency in the Algebra of linear functions on the Algebra Mastery exam.

GEOMETRY

2 semesters

Students will learn to write two-column geometric proofs using definitions, postulates, and theorems. They will study geometric figures including triangles, quadrilaterals, other polygons, and circles. Students will also study parallel and perpendicular lines, transformations in a coordinate plane, the Pythagorean Theorem, and area and volume formulas.

Prerequisites: Algebra I and department approval.

INTERMEDIATE ALGEBRA

2 semesters

Intermediate Algebra will strengthen and expand student understanding of fundamental concepts of Algebra, serving as a bridge between Algebra I and Algebra II. Students will study a variety of basic mathematical functions from the three perspectives of equations, tables of values, and graphs. This course will also enhance the student's experience and familiarity with variable and multivariable expressions and equations. The development of proficiency in Algebra 1 topics and an introduction to Algebra 2 topics, as well as problem solving skills, will be emphasized. Students will work on practice questions to help prepare for the ACT and SAT tests.

Prerequisites: Algebra I, Geometry, and department approval.

ALGEBRA II

2 semesters

Algebra II is recommended for any student planning to enter college or technical school. Students will study these different functions: linear, exponential, logarithmic, quadratic, radical and trigonometric. Students will also study systems of equations, polynomials, matrices, probability, and right triangle trigonometry.

Prerequisites: An average of C or better in both Algebra I and Geometry or a B in Intermediate Algebra and department approval.

A TI-83 or TI 84 graphing calculator is required.

INTRODUCTORY STATISTICS

2 semesters

Students will learn about the methods used for collecting, analyzing, and presenting data. This junior/senior-level class will focus heavily on statistical inference, probability, and the relationship between data. Students in Statistics will be expected to complete routine assignments using Microsoft Excel and real-world data in order to further their knowledge of the subject. *A TI-83 or TI 84 graphing calculator is required.*

Prerequisites: Geometry and an average of a B+ or higher in Honors Algebra 2 or an average of an A in Algebra 2 with department approval. Some summer work is required.

FUNCTIONS, STATISTICS, AND TRIGONOMETRY *2 semesters*

This course is an alternative to Precalculus and is recommended for students who would benefit from a stronger understanding of the principles and functions of algebra, as well an introduction to statistics and probability, before moving on to a rigorous course in Precalculus. Students will extend their knowledge of linear, quadratic, exponential, logarithm, polynomial and trigonometric functions, with a new focus on statistical modeling using these functions. Statistics are introduced in this text in the ways used in a variety of different disciplines. Trigonometric functions are used to model periodic phenomena and include strong connections with the geometry and algebra that students have encountered in previous courses.

Prerequisites: Algebra II and departmental approval.

A TI-83 or TI 84 graphing calculator is required.

PRECALCULUS *2 semesters*

This elective course is necessary for any student planning to enter a college program in mathematics, science, or computer science. It is recommended, however, as part of any college preparatory program and serves as a prerequisite to Calculus. Students will develop a deeper understanding of the fundamental concepts of algebra, trigonometry, and analytic geometry. Algebra and trigonometry will be used to model real-life problems and the course material will foreshadow important ideas of Calculus. Students study the following major groups of functions and graphs: polynomial, power, rational, exponential, logarithmic, and trigonometric.

Prerequisites: An average of C or better in Algebra II and department approval.

A TI-83 or TI 84 graphing calculator is required.

CALCULUS *2 semesters*

Students will study the topics of first semester college calculus: limits, continuity, differentiation and integration. Elementary functions, trigonometric functions, and logarithmic functions will be used in applications of each topic.

Prerequisites: An average of C or better in Precalculus and department approval.

A TI-83 or TI 84 graphing calculator is required.

HONORS MATHEMATICS PROGRAM.

HONORS ALGEBRA II *2 semesters*

The Honors Algebra II student will study the topics of Algebra II and trigonometry in addition to more modern strands of mathematics. Such topics include sequences and series, data analysis, functions, exponentials and logarithms, discrete math topics, systems of equations, polynomials, probability and statistics, relations, and trigonometric functions. The content of the course is anchored in real world contexts and the use of the graphing calculator is integral to the course. More material will be covered and in greater depth than in the regular Algebra II course.

Prerequisites: Current DeLaSalle students must have an A average in Advanced Algebra I or Algebra I and Geometry and department approval. Entering 9th graders must demonstrate proficiency on the Algebra Mastery exam given by DeLaSalle.

A TI-83 or TI 84 graphing calculator is required.

HONORS GEOMETRY

2 semesters

The Honors Geometry student will study, in greater depth, the topics of a regular Geometry course. There will be greater emphasis on deductive reasoning and on proof in developing theorems. Students will be introduced to at least one non-Euclidean geometry topic in this class.

Prerequisites: An average of B+ or better in Honors Algebra II or an average of A in Algebra I or Advanced Algebra I and department approval.

HONORS PRECALCULUS

2 semesters

The Honors Precalculus student will develop a deeper understanding of the fundamental concepts of algebra, trigonometry, and analytic geometry. The range of functions covered will be broader and topics will be studied in more detail than in regular precalculus. Algebra and trigonometry will be used to model real-life problems and the course material will foreshadow important ideas of Calculus. The student will study the following major groups of functions and graphs: polynomial, power, rational, exponential, logistic, logarithmic, and trigonometric. The student will also study analytic trigonometry. Additional topics, as time allows, may include systems and matrices, conic sections, discrete mathematics, and an introduction to Calculus.

Prerequisites: An average of B+ or better in Honors Algebra II and Honors Geometry or an average of A in Algebra II and department approval.

A TI-83 or TI 84 graphing calculator is required.

AP STATISTICS

2 semesters

Students will learn about the methods used for collecting, analyzing, and presenting data. This senior-level class will focus heavily on statistical inference, probability, and the relationship between data. Students will be expected to complete routine assignments to prepare for the AP Statistics Exam required at the end of the second semester.

Prerequisites: Geometry and an average of A- or higher in Precalculus and department approval. Summer work is required.

A TI-83 or TI 84 graphing calculator is required.

AP CALCULUS AB

2 semesters

The Advanced Placement Calculus student will study in depth the usual topics of first semester college calculus: limits, continuity, differentiation and its applications, integration and its applications including elementary functions, trigonometric functions, exponential functions, and logarithmic functions. Students will prepare for, and are required to take, the AP exam in May.

Prerequisites: An average of B+ or better in Honors Precalculus or an average of A in Precalculus and department approval. Summer work is required.

A TI-83 or TI 84 graphing calculator is required.

AP CALCULUS BC

2 semesters

This course continues the study of calculus. Students will review the topics of AP Calculus AB and study in depth the usual topics of second semester college calculus: parametric, polar and vector functions, graphs, limits, computation and application of derivatives, definite integration and its applications, antidifferentiation, polynomial functions, Taylor Series, and Maclaurin Series. Students are required to take the AP exam in May.

Prerequisites: An average of B or better in AP Calculus AB or an average of A in Calculus and department approval. Summer work is required.

A TI-83 or TI 84 graphing calculator is required.

MATHEMATICS ELECTIVES

Electives do not fulfill any portion of the three year requirement for graduation.

AP COMPUTER SCIENCE PRINCIPLES (CSP)

2 semesters

The curriculum for this course is a full-year, rigorous, entry-level course that covers a broad range of foundational topics such as programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing. Students will develop computational thinking vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore questions that interest them. Students will also develop effective communication and collaboration skills, working individually and collaboratively to solve problems, and discussing and writing about the importance of these problems and the impacts to their community, society, and the world. Students are required to take the AP exam in May.

Open to 10th, 11th and 12th grade students.

Prerequisite: An average of a B or better in Algebra 1.

AP COMPUTER SCIENCE A

2 semesters

This course is equivalent to a first-semester, college level course in computer science. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. Students are required to take the AP exam in May.

Open to 10th, 11th and 12th grade students.

Prerequisite: An average of C or better in Algebra 2 or higher.

EXPLORATION IN COMPUTER SCIENCE

1 semester

In this course, students will explore topics in the computer science fields of cybersecurity, video game design, web design, mobile apps, artificial intelligence, and virtual/augmented reality. Students will select one field to study in-depth and in which to create a project.

Open to 11th and 12th grade students.

Prerequisite: An average of B or better in AP Computer Science A or AP Computer Science Principles, and demonstrated proficiency in programming skills.



MODERN LANGUAGES

The ability to function competently in at least one language other than English is essential in the interdependent world of the twenty-first century. In addition to learning the structure and vocabulary of the target language, students will learn about daily life, social institutions, literature, art, culture, and contemporary and historical issues. Placement of students with prior language experience will be determined on an individual basis. Two years of a single modern language are required for graduation, but students are encouraged to take language classes beyond the two-year requirement. Three or four consecutive years of a single modern language are strongly recommended for students who plan to attend a four-year college or university.

MANDARIN CHINESE I

2 semesters

In this course students develop basic listening, speaking, reading, and writing skills in Mandarin Chinese. Simplified Chinese characters, Pinyin (Pronunciation symbols) and simple sentence patterns will be taught. Students are introduced to the culture and traditions of Mandarin speaking countries.

MANDARIN CHINESE II

2 semesters

In this course students will further acquire language skills in listening, speaking, reading, and writing. Comprehensible input will be applied in Mandarin Chinese to develop students' communication skills along with knowledge of Chinese culture.

MANDARIN CHINESE III

2 semesters

This course allows students to further advance their Chinese language skills along with knowledge of Chinese culture. Students will learn vocabulary and sentence patterns to improve their listening, writing, speaking and reading skills.

Prerequisites: A grade of C or better is required in Mandarin Chinese II and the instructor's approval.

MANDARIN CHINESE IV

2 semesters

In this course students will increase their language proficiency and cultural understanding through authentic texts and multimedia resources. Students will learn academic vocabulary and complex sentence patterns to strengthen their listening, writing, speaking and reading skills.

Prerequisites: A grade of C or better is required in Mandarin Chinese III and the instructor's approval.

PRE-AP CHINESE LANGUAGE AND CULTURE

2 semesters

This course, taught entirely in Chinese, allows students to further advance their Chinese language skills and knowledge of Chinese culture. Units are designed to incorporate students' daily lives, current events, and global issues embedded in age-appropriate context across the three communicative modes. Through guided reading, creative writing, spontaneous verbal conversation and scenario play, authentic materials will be used for students to develop an awareness and appreciation of the elements of Chinese culture.

Prerequisites: Completed Chinese Immersion middle school education and demonstrate proficient language skills and the instructor's approval.

AP CHINESE LANGUAGE AND CULTURE

2 semesters

This course is a continuation of the Pre-AP curriculum structure, taught entirely in Chinese. Students are provided with intermediate to advanced level tasks across the three communicative modes to attain the ACTFL intermediate-high to advanced-low levels of proficiency. The course content includes all AP thematic topics: Families & Communities; Personal & Public Identities; Beauty & Aesthetics; Science & Technology; Contemporary Life; Global Challenges; and Current Events and News. Students are required to take the AP Chinese Language and Culture Examination in May.

Prerequisites: A grade of C or better in Pre-AP Language and Culture or completion of Chinese Immersion middle school education and demonstration of exceptional language skills

SPANISH I -or- FRENCH I

2 semesters

In this course students will develop listening, speaking, reading and writing skills in the target language. Pronunciation, spelling, and basic sentence structure are stressed. Students are introduced to the culture and traditions of the countries of the target language.

SPANISH II -or- FRENCH II

2 semesters

In this course students will review the basic vocabulary and grammatical structures learned in the first year. The students will learn new grammatical structures, expand vocabulary, and improve communication skills.

SPANISH III

2 semesters

In this course students will review the basic vocabulary and grammatical structures learned in the previous year. New grammar structures and more advanced verb tenses are introduced to help students communicate at a more complex level. Literature, art, and music will be interspersed at different points in the curriculum.

Prerequisites: A grade of C or better is required in the prior year and the instructor's approval.

HONORS SPANISH III

2 semesters

Students will proceed at a more accelerated pace than in previous levels. This accelerated pace will enable students to explore topics in greater detail. Students will have more opportunities for independent reading and writing in the language.

Prerequisites: A test average of B or better and the instructor's approval are required in the prior year of the language.

FRENCH III

2 semesters

This course is designed to be a comprehensive in-depth review of listening, reading, writing and speaking skills in the French language. Students will increase their proficiency by reviewing grammar and reading abridged literary and historical selections in French. Students will improve their speaking and writing abilities by formulating and expressing their personal thoughts.

Prerequisites: A grade of C or better and the instructor's approval are required in the prior year of the language.

HONORS SPANISH IV

2 semesters

In this course, students will increase their proficiency through an in-depth review and expansion of grammar and vocabulary. Students will increase language and cultural understanding through authentic texts and multimedia resources. Students will improve their speaking and writing abilities with opportunities for formulating and expressing their personal thoughts.

Prerequisites: A grade of C or better in Spanish III or Honors Spanish III and the instructor's approval are required.

SPANISH CULTURE AND COMMUNICATION

2 semesters

This course is designed for:

- students who are native or heritage speakers of Spanish
- students who have been immersed in the Spanish language
- students who have successfully completed Spanish III or Honors Spanish III.

Through this course students will acquire a deeper more comprehensive understanding of the language and culture. The goals are to expand grammar and vocabulary skills, to develop communication and writing skills, and to think critically about the themes of study.

Prerequisites: A grade of C or better in Spanish III or Honors Spanish III and the instructor's approval are required. For incoming first-language Spanish speakers or students coming from an immersion program, mastery as demonstrated on a placement test will be required.

AP SPANISH LANGUAGE AND CULTURE

2 semesters

AP Spanish is the equivalent of a third-year college course in Advanced Spanish communication, including interpretive, presentational, and interpersonal modes. The course draws on all of the students' previous language learning and emphasizes the use of Spanish as a means for active communication. AP Spanish utilizes higher-level critical thinking skills and includes the refinement of grammatical accuracy and fluency. Course components include: reading and listening comprehension, the organization and writing of compositions, and spontaneous verbal conversation. Students are required to take the AP Spanish Language and Culture Examination in May.

Prerequisites: A minimum grade of A- and the instructor's approval are required in Honors Spanish III. A minimum grade of B and the instructor's approval are required in Honors Spanish IV and/or Spanish Culture and Communication.



PHYSICAL EDUCATION

The purpose of the Physical Education program is to develop an individual's ability to constructively use capacities for movement as a way of expressing, exploring, and interpreting oneself and one's relationship with the world. Students will develop skills and knowledge of how and why one moves effectively through games, sports, dance, and exercise. The student will become knowledgeable about the history, rules, strategy, organization, equipment, and safety factors of the various activities. The student should also acquire respect and appreciation for good physical conditioning and develop an interest and a desire to participate in lifetime recreational activities.

Options are available for students to meet the credit requirements for Health and Physical Education: Wellness for Life. Both Health and PE: Wellness for Life must be taken within 10th, 11th, or 12th grade. Preference for enrollment will be given to 12th graders as these are required credits for graduation.

Students will have the opportunity to take the required semester credit of Health in a traditional classroom setting or in an online setting. The traditional Health or PE: Wellness for Life class will be offered either fall or spring semester. The Hybrid Health and the Hybrid PE: Wellness for Life courses each cover one semester of material over a full year and will be completed as an addition to seven other scheduled courses each semester.

PHYSICAL EDUCATION 9

1 semester

This program is about “teaching learners to think on their feet,” providing them with 21st century skills of teamwork, problem solving, and grit through the medium of physical activities. Students are required to learn the physical skills, rules, safety practices, and strategy of the various activities. All 9th graders are required to wear a standard uniform.

This course is required of all 9th grade students.

HEALTH (Traditional Option)

1 semester

Developing a healthy lifestyle enables students to maximize their physical, mental and social well-being. Students will learn about the dimensions of health, decision making, substances (alcohol, nicotine products, and illicit drugs), social media, nutrition, abuse, how to research and identify biases in publications. A project-based approach, discussions, videos, and small group work are methods used for students to learn concepts.

Open to 10th, 11th and 12th grade students.

-or students may choose-

ONLINE HEALTH (Online Option)

1 semester

This course will cover the same content as the traditional Health class but is modified in online work. Over the course of an entire school year, students will work online. Students may be asked to meet with the instructor individually during WIN sessions. Online work includes watching lectures, completing assignments, responding to peers' work, and discussions through a discussion board. Students taking Online Health need to be able to work independently, be self-motivated, have strong reading and writing skills, and recognize the time commitment needed outside the classroom to be successful.

Open to 11th and 12th grade students.

HYBRID WELLNESS (Online/Modified Class Time Option) 2 semesters

This course will cover the same content as the traditional Wellness For Life class but is modified in its combination of online work and face-to-face class instruction. Over the course of an entire school year, students will meet with the teacher once a week; the rest of the course work will be completed online during each week. During class sessions students will complete hands on activities, hold class discussions, and ask the instructor for understanding of concepts. Online work/outside-of-class work includes being active for at least 10,000 steps/5 days a week or 30 minutes/5 days a week. Students must be able to attend all class meetings throughout the school year to receive credit.

Students may choose to take "Hybrid Wellness For Life - Zero Hour" or "Hybrid Wellness For Life – Lunch Hour." "Zero Hour" students will meet once a week with their instructor on a designated day from 7:30-8:15 am throughout the school year. "Lunch Hour" students will meet once or twice a week with their instructor during their lunch hour.

Students taking Hybrid Wellness For Life need to be able to work independently, be self-motivated and recognize the time commitment needed outside the classroom to be successful.

Open to 11th and 12th grade students.

PHYSICAL EDUCATION: WELLNESS FOR LIFE

1 semester

Students gain cognitive knowledge and skills of cardiovascular endurance, physical fitness and lifetime sports. There will be pre- and post-fitness assessments using electronic software to record gains made during the semester in both cardiovascular endurance and strength endurance. Each student will develop a fitness plan which will include goal setting, cardiovascular training, strength training, and evaluation of the fitness plan. There will be an emphasis on becoming a wise consumer of health and fitness services and products such as medical insurance, fitness clubs, exercise products, and sports equipment.

Open to 11th and 12th grade students.

Students may choose to fulfill the requirement by requesting a PE waiver application when they are completing their course requests for the following school year. Students who have completed one full season of participation on a DeLaSalle athletic team, beginning with the fall season of 10th grade through spring season of 11th grade, may apply for a waiver of the PE: Wellness credit. Students who play a sport not associated with DeLaSalle, because it is not offered by the school, may apply for a waiver through an administrative exemption. Students will be sent a link to the waiver application request that must be filled out completely and **submitted no later than April 25, 2022.**

PHYSICAL EDUCATION ELECTIVES

TEAM SPORTS

1 semester

Through a wide variety of team and individual activities, the students will develop a sense of responsibility for themselves and others. Being a contributing member of a group and/or team in a variety of leadership roles will give the student an opportunity to learn techniques to lead effectively and to positively influence the behavior of others.

Open to 11th and 12th grade students.

STRENGTH TRAINING AND CONDITIONING I

1 semester

This course is designed to give students the opportunity to learn fitness concepts and conditioning techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardiorespiratory endurance activities. Students will learn the basic fundamentals of strength training, aerobic training, and overall fitness training and conditioning. Course includes both lecture and activity sessions. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime.

Open to 10th, 11th and 12th grade students.

MENTAL WELLNESS

1 semester

This course is about Mental Wellness. This course will deliver a detailed examination into Mental Wellness and the wide-ranging issues such as anxiety, depression, stress and panic attacks. This course will provide students a mindfulness of their mental health and wellness as well as resources for students to utilize in their lives that include deep breathing exercises, the power of positive self-talk, healthy nutrition, yoga, sleep, and more.

Open to 10th, 11th and 12th grade students.



SCIENCE

The Science program offers students the opportunity to explore the natural world and discover the principles that govern natural processes, both living and nonliving. The focus of the curriculum is on critical thinking and problem solving skills that are developed through laboratory and other investigative activities. In addition, students will also demonstrate mastery of appropriate scientific literacy, mathematical modeling, and develop skills in cooperation and communication in the practice of scientific inquiry. It is recommended that students take four years of laboratory-based Science courses as many colleges will require three to four years for admission. Completion of Chemistry and upper-level Physics are strongly recommended if students pursue a college program in the physical sciences, life sciences, computer science, mathematics, engineering, psychology, or physical education.

FUNDAMENTALS OF PHYSICS AND CHEMISTRY

2 semesters

This 9th grade science class introduces physics topics (force, motion, electricity, magnetism, waves, nuclear physics) and chemistry topics (atomic models, the periodic table, chemical bonding, chemical reactions) with an algebra basis. Throughout the course, students practice precise laboratory measurements and techniques.

This course is required of all 9th grade students.

BIOLOGY

2 semesters

The biology class explores the origins and history of life, the structures of living things (biochemistry), how living things function (cellular processes), and how living things interact with one another (ecological relationships). Throughout the course, students will develop laboratory skills with focus on observation, modeling and field studies.

This course is required of all 10th grade students.

CHEMISTRY

2 semesters

Chemistry is a laboratory-based science course. Students develop their critical thinking and qualitative problem-solving skills in a collaborative environment including modeling, graphing, and experimental investigations. Topics include atomic structure, physical states of matter, the periodic table, chemical bonding, chemical equations, properties of gases, reactions, solutions, acids and bases, and other appropriate topics.

This course is required of all 11th grade students.

Prerequisite: Successful completion of Algebra I.

HONORS CHEMISTRY

2 semesters

Honors Chemistry will stress topics related to matter and energy, scientific measurement, atomic structure, chemical names and formulas, problem solving, stoichiometry, states of matter, electron configurations, chemical periodicity, and other appropriate topics. The student will be made aware of how chemical processes and principles are related to everyday experiences. Students will be encouraged to assume more responsibility for their own learning by making experimentation and problem solving skills an integral part of the topics covered. Honors Chemistry or Chemistry fulfill the requirement for graduation.

Prerequisites: Completion of - or concurrent enrollment in - Algebra II and department approval.

HONORS SCIENCE PROGRAM AND ELECTIVES

AP CHEMISTRY

2 semesters

This course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. Students will attain a depth of understanding of fundamentals and a competence in dealing with chemical problems. The course will contribute to the development of the students' abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. Topics of study will include structure of matter, states of matter, reactions, descriptive chemistry, kinetics, equilibrium, thermochemistry, electrochemistry, organic chemistry, and chemical calculations. In this rigorous course, independent work is required and a significant amount of out-of-class reading and study time is expected. Students enrolled in AP Chemistry will prepare for the AP exam in May.

Prerequisites: Successful completion of both Honors Chemistry and Algebra II and department approval.

PHYSICS

2 semesters

This course is recommended for 12th graders planning for college or majoring in a STEM discipline. Physics is a heavily math-dependent subject that studies the world around us. Students will study topics including motion in one and two dimensions, force, friction and Newton's laws, work and energy, momentum and collisions, vibrations and waves, sound, light and reflection. Throughout the course, students will develop measuring and analytical modeling skills. Physics may be required by some colleges for admission.

Prerequisites: Successful completion of both Chemistry and Algebra II and department approval.

AP PHYSICS

2 semesters

This course is equivalent to the general physics course usually taken during the first year of college. Students will attain a depth of understanding fundamentals of physics and competence in dealing with physical science problems. The course will contribute to the development of the students' abilities to think clearly and to express their ideas orally and in writing, with clarity and logic. Topics of study will include Newtonian mechanics (motion in one and two dimensions, force, rotational motion, and angular momentum), work, energy, power, and simple harmonic motion. In this heavily math-dependent, rigorous course, independent work is required and a significant amount of out-of-class reading and study time is expected. Students will prepare for the AP Physics Exam in May.

Prerequisites: Successful completion of Honors Chemistry, enrollment in Precalculus or Calculus, and/or department approval.

AP BIOLOGY

2 semesters

AP Biology is a rigorous course designed for the college bound student who is considering a major in science or medicine and who has a profound interest in the Biological Sciences. The course will help students develop advanced inquiry and reasoning skills such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. The result will be readiness for the study of advanced topics in subsequent college courses and to prepare students to take the AP Biology exam in May. Open to 11th and 12th grade students.

Open to 11th and 12th grade students.

Prerequisites: Successful completion of Biology, an average of a B or better in Chemistry (Honors Chemistry preferred), and/or departmental approval.

ASTRONOMY

1 semester

This is a one semester course that introduces students to theoretical and observational astronomy. Students will learn about the history of astronomy, telescopes (optical and radio), planetary motion, moon phases, the planets, stars, galaxies, and the universe as a whole. Students will be required to attend at least one night observation session from a variety of options. Students will also make solar observations during class time.

Open to 11th and 12th grade students.

ENVIRONMENTAL SCIENCE

1 semester

Environmental Science will examine questions relating to use of land, water, air, and energy. This course will include field studies, economic theory, and ethical thinking. Students will participate in simulations, analyze data from charts, graphs, and satellite images, and use online resources for discussion and debate.

Open to 11th and 12th grade students.

HUMAN ANATOMY AND PHYSIOLOGY

2 semesters

A lab based practical course designed for students interested in a career in the medical fields such as nursing, physical therapy, veterinary science or medical doctor. Students will be able to identify different tissue types, locations in the body and their physiological function. Students will be able to locate and identify organs and structures of the major body systems and how they function normally and under stressors such as disease. Students will be able to analyze the overarching theme of structure and function in real life scenarios using the scientific method to design, implement and infer from student hypotheses. Students will also explore medical technology such as pacemakers and medical imaging and how different physiological conditions make use of this technology.

Open to 11th and 12th grade students.

Prerequisite: Biology

PRINCIPLES OF ENGINEERING

1 semester

Principles of Engineering discovers the different types of engineering fields and helps students develop skills they might use in a post-secondary engineering course of study. The semester is divided into two modules, each approximately 8 weeks long. Students choose a topic they want to do for a module. Each topic has 3 levels of difficulty, so students can do that topic for a total of 3 modules. The topics include:

Structural Engineering – Understand the fundamental forces of structures, such as buildings and bridges. Use your knowledge to build structures.

Computer Aided Design (CAD) – Design mechanical parts and create them on a 3D printer.

Coding – Learn how to code in Java using an Arduino Uno.

Robotics – Program robots, automated devices, and Computer Integrated Manufacturing (CIM) cells.

Open to 10th, 11th, and 12th grade students.

Students may take the course up to 3 times (6 modules).

Prerequisites: Successful completion of, or current enrollment in, Geometry.





SOCIAL STUDIES

The goals of the DeLaSalle Social Studies department are to mold students to possess the requisite skills to become informed, effective and involved members of their communities; students who have developed the research skills and content mastery needed to succeed in college; and students with an awareness and understanding of the diverse complexity that comprises our world. The core curriculum is three and one-half years of history, social science, geography and government.

WORLD HISTORY AND GEOGRAPHY

1 semester

This one semester class is a key component of the DeLaSalle Social Studies curriculum as it prepares an academic foundation for the department. The class begins with an overview of local and DeLaSalle history. Students will study selected areas within the Mediterranean region, Africa, India, China, Europe, and the Americas, so as to examine the development of city-states, kingdoms and empires. Each unit of study will include map work and a project that could include written work, a work of art, or another creative assignment. The class will include role-playing, group work and short in-class student created presentations.

This course is required of all 9th grade students.

MODERN WORLD HISTORY AND GEOGRAPHY *2 semesters*

This course will concentrate on the history, geography and geographical implications of modern politics and international relationships. Throughout the course there is an analysis of social, economic and cultural issues in the world through the lens of the five themes of geography: location, place, human-environment interaction, movement and region.

This course is required of all 10th grade students.

U.S. HISTORY *2 semesters*

A theme-based study of U.S. history examining modern United States through the lens of our shared past, from pre-Columbian times to the present day. Special emphasis will be focused upon key thematic strands running throughout the nation's history. Specific themes to be explored include Exploitation & Reform, Immigration & Settlement, Politics & Government. This approach is designed for deeper analysis of multiple perspectives, and greater attention to the experience of traditionally marginalized groups within the greater whole. Additionally, each US History student will create a History Day project that will require students to gather, organize, and evaluate primary & secondary sources..

This course is required of all 11th grade students.

UNITED STATES GOVERNMENT *1 semester*

This one semester course will examine the history, workings, and intricacies of the U.S. government. The concepts, structures, and operations that will be examined include: the U.S. Constitution, separation of powers, significant U.S. Supreme Court cases, divisions between federal and state governments, political parties, civil and political rights, and the distinctions between the three branches of government. Emphasis will be placed on a practical understanding of how the government works and its effects on the citizenry.

This course is required of all 12th grade students.

SOCIAL STUDIES ELECTIVES

AP UNITED STATES HISTORY *2 semesters*

This is an in-depth and detailed look at U.S. history from European exploration and colonization to the present. Students will read a college or Advanced Placement (AP) text that will be supplemented by primary sources, selected readings, and specialized writings. Students will demonstrate an ability to acquire and amass factual knowledge while critically analyzing various themes and interpretations within the study of U.S. history through essays, exams, and projects. Like students in U.S. History class, the students will create a History Day project. In the spring, students will have the opportunity to earn college credit upon successfully completing the AP U.S. History exam.

Open to 11th grade students. This course fulfills the 11th grade U.S. History requirement. Prerequisites: A teacher approval that will consider test scores, work ethic, consistency of performance and intellectual curiosity. Summer work is required.

AP U.S. GOVERNMENT

2 semesters

Advanced Placement (AP) U.S. Government provides an in-depth and detailed look at the workings of the U.S. government. This course goes into greater detail of the concepts and material taught in the College Preparatory course. The class is designed to afford students the opportunity to earn college credit. Students who take this course will be prepared to take the AP U.S. Government test offered in May.

Open to 12th grade students. This course fulfills the 12th grade U.S. Government requirement. Prerequisites: Departmental approval that will consider test scores, work ethic, consistency of performance and intellectual curiosity. Summer work is required.

AP EUROPEAN HISTORY

2 semesters

This is an in-depth study of European History from the Middle Ages to the present time. Students will be using an AP or college textbook and will have related readings. They will be expected to be able to participate in class discussions and write essays that will analyze and evaluate historical events. There will also be project work. Students will be required to take the AP exam in May.

Open to 12th grade students.

Prerequisites: Teacher approval that will consider test scores, work ethic, consistency of performance and intellectual curiosity. Summer work is required.

ANTHROPOLOGY

1 semester

This course is designed to give the students a comprehensive understanding of humanity by introducing them to the four sub fields of anthropology: physical anthropology, archaeology, linguistics, and cultural anthropology. Students will participate in challenging and thought-provoking activities including discussions, observations, critical thinking, hands-on analysis, projects and fieldwork. This unique course examines a variety of cultural perspectives and causes students to evaluate their own culture at the same time.

Open to 11th and 12th grade students.

ECONOMICS

1 semester

Covering basic micro and macroeconomic concepts the students will learn about how people organize for the production, distribution, and consumption of goods and services. The goal is to increase the students' awareness about how economic issues significantly affect the quality of their lives. Students will participate in a variety of learning experiences that will determine how local, state, national, and global economies can be independent. Specific lessons will focus on personal finance, oil cartels, running a business, the Federal Reserve Bank, and contemporary topics in local economics.

Open to 11th and 12th grade students.

PSYCHOLOGY

1 semester

This course provides a basic introduction to the science of Psychology and covers the following topics: the biology of behavior with a focus on the brain; the role of heredity and environment in shaping such behaviors as intelligence and personality; consciousness and altered states of consciousness; the learning theories of Pavlov, Skinner, and various cognitive theorists; personality theories and their measurement; and abnormal psychology.

Open to 11th and 12th grade students.

LAW AND SOCIETY

1 semester

This course exposes students to the law and the legal system and how this system impacts society. Units include discussions on the origins of law and lawmaking, criminal and civil laws, due process protections and forensics. Discussion topics in class and through various exercises are broad and may include forensics, the death penalty, racial profiling, mandatory minimum sentences, and mental health as it relates to crime.

Open to 11th and 12th grade students.

PERSONAL FINANCE

1 semester

This course is designed to help students become responsible stewards of their resources while developing and maintaining sound financial habits. Some of the topics to be addressed in the course include: making and keeping a budget, managing loans, paying taxes and filing an income tax return, investing for retirement (IRA, 401k, or 403b), purchasing insurance products. Students will be engaged in a variety of projects to develop the critical knowledge to discern what to do before and after payday to be a financially responsible citizen.

Open to 11th and 12th grade students

GLOBAL ADVANCED PROBLEM SOLVING SKILLS

1 semester

This project-based course will focus on researching topics with an international perspective. Taught in conjunction with Lasallian high schools in other countries, this course will have students working in groups formed from DeLaSalle Minneapolis and several partner schools. These collaborative groups will discuss social and cultural issues and developments between countries.

Open to 10th, 11th and 12th graders.

Prerequisites: students should work well independently and in close collaboration with others. Strong communication skills in English and a Modern Language are helpful.

There may be exchange opportunities for a limited number of students.



THEOLOGY

In harmony with the philosophy of DeLaSalle High School and the National Catechetical Directory: Sharing the Light of Faith, the Theology Department endeavors to do the following for our students:

- *Encourage each one to develop a personal faith response to the unconditional love of God,*
- *Provide them with an understanding of the Catholic tradition,*
- *Help them learn how to participate in a community of faith,*
- *Invite each one to live a life of service to others.*

The Bible, the Word of God, is shared daily through classroom prayers, texts, activities and liturgies. Opportunities for participation in the sacramental life of the Catholic Church are made available in cooperation with Lasallian Ministry. Through the study of Jesus' life and mission, students encounter Christian values basic to life in all of its progressions and challenges. Students develop an awareness of the created world as a gift, but also recognize the need for redemption. Theology teachers seek to aid students in their search for God through the examination of world history, cultures, and customs. Emphasis is given to the Catholic Tradition, its historical development and ritual expression. These studies are positioned against the backdrop of contemporary times in order to furnish the values necessary for attaining a productive and fulfilled Christian life.

In partnership with the Archdiocese of St. Paul and Minneapolis, all grade levels will include curriculum components from the Office for the Protection of Children and Youth. These include boundaries and personal safety lessons with a focus on digital privacy & security, online relationships & communication, digital footprint & identity and cyberbullying & hate speech.

Our goal is to prepare students to navigate today's digital environment.

CHRISTIAN SERVICE

Christian Service is an opportunity to practice and share faith beliefs and values in the greater community. By volunteering at local service agencies, students gain insights and understanding of the economic, physical, and spiritual needs of community members. The goal is that students will develop a life-long desire to meet these needs and continue to work for solutions to unjust situations. All students, including those who transfer to DeLaSalle High School, must complete 60 hours of Christian Service by the end of the first semester of their 12th grade year; the hours are to be recorded through the online validation system. Each student will also complete a short reflection in their online journal at the end of each semester. Upon completion students will receive a grade of "P" (passing) and 1 credit.

SACRED SCRIPTURE

2 semesters

Students will be introduced to the study of Scripture using the historical critical method. They will learn the relationship between Scripture and Tradition, explore the religious truths behind the biblical accounts, and make connections to their lives. Students will study both the Old and New Testaments.

This course is required of all 9th grade students

THE CHURCH: CREED, SACRAMENTS, AND HISTORY *2 semesters*

With the Catechism as the primary text, students will study the Creed as a source of understanding the major historical events from the time of the Apostles to the Second Vatican Council. Liturgy and Sacraments are explored in depth as they relate to the Paschal Mystery, and students are exposed to the lives of the Saints and the development of Church practices.

This course is required of all 10th grade students.

CATHOLIC SOCIAL TEACHING

1 semester

This course is designed to help students acknowledge and embrace the responsibilities they have to the world as a Christian living with others. Each student will explore the seven themes of Catholic Social Teaching as they learn to broaden and deepen their understanding of what it means to love our neighbor. The students will connect theory to practice as each one understands the value of ethics in the family, Church, home, workplace, community, nation, and world.

This course is required of all 11th grade students.

MORALITY

1 semester

This course explores the Christian life by helping students to conscientiously determine their morals as they relate to developing loving relationships with God, Self and Others. Students will explore their sense of morality while studying the prohibitions and aspirations of the Ten Commandments and related topics through a Catholic lens. This course will give students the opportunity to continue to develop their spiritual lives and recognize the process as a lifelong value, while teaching practical skills for conscience development and moral decision making.

This course is required of all 12th grade students.

For the 2022-23 school year, 11th and 12th grade students must choose one of the following single-semester Theology electives in order to meet the Theology requirement. Students are invited to choose additional courses from this list as electives.

THEOLOGY IN THE ARTS

1 semester

This course explores the theological expressions in the arts. Students will compare and contrast religious themes as they are presented in a variety of artistic mediums. Students will develop an appreciation of classic and contemporary works in film, literature, architecture, and music over the course of the semester. The primary focus will be how the key components of the Catholic worldview present themselves and blend with cultural and artistic influences.

COMPARATIVE RELIGIONS

1 semester

This course deals initially with the major questions confronting humankind: the nature of God, mystery, human destiny and purpose. Major world religions will be surveyed: Hinduism, Buddhism, Islam, Judaism, and Christianity. In each case, this survey will provide a treatment of basic underlying philosophical assumptions about life and about the basic beliefs of each religion.

PHILOSOPHY CONCEPTS AND METHODS

1 semester

The students will learn how to think like a philosopher by practicing the methods needed to analyze, manipulate, and evaluate philosophical concepts, arguments, and theories. It will offer an introductory-level exploration of key questions of philosophy that invite conversation, analysis, and discussion to enhance current and future understandings of the entire liberal-arts curriculum - especially Theology.

For the 2023-2024 school year, 11th and 12th grade students must choose one of the following single-semester Theology electives in order to meet the Theology requirement. Students are invited to choose additional courses from this list as electives.

COMPARATIVE RELIGIONS

1 semester

This course deals initially with the major questions confronting humankind: the nature of God, mystery, human destiny and purpose. Major world religions will be surveyed: Hinduism, Buddhism, Islam, Judaism, and Christianity. In each case, this survey will provide a treatment of the basic underlying philosophical assumptions about life and the basic beliefs of each religion.

CHRISTIANITY IN THE AMERICAS

1 semester

This class will explore the development and influence of Christianity in the Americas. Topics will include the influence of Christianity in European colonization and the founding of the United States; the role and impact of Missionaries throughout the Americas; the syncretism of Christianity and other cultures/religious beliefs in Latin America; the progression of Liberation Theology and its place in contemporary Latin America. This class is primarily activity and project based, with an emphasis on in-class participation.

PHILOSOPHY CONCEPTS AND METHODS

1 semester

The students will learn how to think like a philosopher by practicing the methods needed to analyze, manipulate, and evaluate philosophical concepts, arguments, and theories. It will offer an introductory-level exploration of key questions of philosophy that invite conversation, analysis, and discussion to enhance current and future understandings of the entire liberal-arts curriculum - especially Theology.

THEOLOGY ELECTIVE

*This is offered every year as an elective only. It **does not** fulfill a Theology elective requirement.*

CAMPUS MINISTRY LEADERSHIP TEAM

1 semester

This course provides opportunities for students to explore various components of engaging ministry and empowers them to implement programming to enhance faith, community and service within the greater DeLaSalle community. Core content will focus on liturgy, prayer, service, retreats, faith sharing and servant leadership through the lens of the five core Lasallian principles. Students in this course will be challenged to put their faith and leadership into action as they work together to research, plan, and lead Lasallian Ministry programming and events. A very high commitment to organization, management, faith development and service is needed for this course.

Open to 11th and 12th grade students.

Prerequisites: Registration for this course requires the recommendation of a current-year Theology teacher.





DeLaSalle High School

One DeLaSalle Drive
Minneapolis, MN 55401
(612) 676-7600
www.delasalle.com

Follow us on



Facebook at
DLSislanders



Twitter @
DLSislanders



Instagram at
DLSislanders



DeLaSalle
High School



Catholic, Lasallian Education Since 1900