

Note to Students and Families:



Course Selection Process and Guidelines

October/November: Student Interest Survey & Revision of Course Offering Catalogue

- Counseling Department and Curriculum & Instruction Committee submit proposals for new classes based on educational trends and student interest.
- Students complete course interest survey *every other year*.
- Student Interest Survey results are reviewed & the Course Catalogue is revised.

January: Course Selection Kick-off & Electives Fair, Individual 1:1 meeting with Academic Counselor

- Be attentive to presentations by the Academic Deans and Counselors.
- Attend Course Electives Fair to learn more about your options from instructors of those classes.
- Read ALL course descriptions & pre-requisites for those classes in which you are interested.
- Return Course Selection documents to Academic Counselor by the deadline.

February: Course Selection & Registration

- Individual 1:1 meeting with the Academic Counselor.
- Read & Initial Honors/AP Course Commitment Contract if applicable.
- Obtain all necessary recommendations for Upper-level Electives, Honors, and APs. **NOTE: Pre-requisites are mandatory & FALL grades are used for approvals & recommendations.*
- Review final course selections with your Academic Counselor & parent(s)/guardian(s).

March: Scheduling Begins

- First two weeks of March designated for add/drop requests to your Academic Counselor
- Administration begins building the Master Schedule & hiring/staff process for next year.

May: Students receive confirmation of Course Requests for the upcoming school year.

June: Summer School

- Students enroll in any required recovery courses to make up credit for D & F grades.
- Students enroll in any required bridge courses to accelerate into upper-level, Honors, or A.P.

July: Preparation for the Upcoming School Year

- Students' Official Courses are now visible in Aeries and mailed home to incoming freshmen.
- Students should purchase all required texts & complete all required Summer Assignments.

Administration makes staffing decisions based on enrollment in specific courses. Electives run based on sufficient enrollment in the classes. We prioritize equitable class sizes and do not make changes based on teacher or block preference.

Subject Area	PHS Graduation Requirements	University of California Admission Requirements	California State University Requirements	Private College Requirements (varies by institution)
Religious Studies	4 years	—	—	—
Social Studies	3 years: World History, US History, 1 Semester of Gov. & 1 Semester of Econ	2 years: One year of World History, Cultures & Geography. One semester of US History & one semester of Gov/Civics. Additional courses strongly recommended	2 years, must include US History Additional courses strongly recommended	2-3 years required; varies from school to school.
English	4 years	4 years required	4 years required	4 years required
Mathematics	3 years	3 years: Algebra, Algebra II and Geometry. 4 years strongly recommended.	3 years: Algebra, Algebra II and Geometry. 4 years strongly recommended.	3 years required. 4 years strongly recommended.
Science	3 years: Biology, Chemistry & a Science Elective of Student's Choice	2 years lab required w/ at least two out of the three foundational subjects of biology, chemistry & physics. 3 years recommended.	2 years lab science required w/ at least two of the three foundational subjects of biology, chemistry & physics. 3 years recommended.	Two years required. 4 years strongly recommended.
World Languages	2 years	2 years of same language. 3 years recommended.	2 years of same language. 3 years recommended.	2 years required. 3 years strongly recommended.
Visual and Performing Arts	1 year required	2 consecutive semesters (one year) of Fine Art	2 consecutive semesters (one year) of Fine Art	Varies depending on major declared.
Physical Education & Wellness	4 semesters: PE & Wellness & either Sport Teams, Adv. PE, or outside verification	—	—	—
Electives	5 semesters	1 year required.	1 year required	1 year required

School-Wide Learning Outcomes

Providence students will become:

Faith-Filled Persons who...

- understand the life and teachers of Jesus Christ
- are active in the development of their faith
- extend the mission of Christ to the community through service
- demonstrate knowledge of and respect for all religious traditions

Effective Communicators who...

- comprehend and articulate concepts in written, oral and artistic forms
- utilize technology appropriately

Responsible Citizen who...

- understand the history, culture and heritage of our global society
- act as selfless leaders of change for a just and compassionate society
- accept personal responsibility for decisions and actions
- act with integrity and respect
- practice stewardship of the environment

Life-Long Learners who...

- demonstrate curiosity, initiative and enthusiasm for learning
- practice cooperative learning and teamwork
- apply critical thinking skills and problem-solving strategies to life
- strive for academic excellence
- understand the importance of leading an active, healthy lifestyle

Providence High School Mission & Values

Mission

As expressions of God's healing love, witnessed through the ministry of Jesus, we are steadfast in serving all, especially those who are poor and vulnerable.

Vision

Guided by our Catholic tradition, we develop each student's academic potential, moral values, love of learning, and commitment to faith and service.

Values

Compassion

Jesus taught and healed with compassion for all. – Matthew 4:24

We reach out to those in need and offer comfort as Jesus did. We nurture the spiritual, emotional, and physical well-being of one another and those we serve. Through our healing presence, we accompany those who suffer.

Dignity

All people have been created in the image of God. – Genesis 1:27

We value, encourage and celebrate the gifts in one another. We respect the inherent dignity and worth of every individual. We recognize each interaction as a sacred encounter.

Justice

Act with justice, love with kindness and walk humbly with your God. – Micah 6:8

We foster a culture that promotes unity and reconciliation. We strive to care wisely for our people, resources and our earth. We stand in solidarity with the most vulnerable, working to remove the causes of oppression and promoting justice for all.

Excellence

Whatever you do, work at it with all your heart. – Colossians 3:23

We set the highest standards for ourselves and our ministries. Through transformation and innovation, we strive to improve the health and quality of life in our communities. We commit to compassionate, safe and reliable practices for the care of all.

Integrity

Let us love not merely with words or speech but with actions in truth. – 1 John 3:18

We hold ourselves accountable to do the right things for the right reasons. We speak the truth with courage and respect. We pursue authenticity with humility and simplicity.

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Accreditation

Providence enjoys full accreditation from the California Association of Independent Schools, the Western Association of Schools & Colleges, and the Western Catholic Educational Association.

Counseling Department

Our counselors serve as guides and advocates for our students in their academic, emotional, and social development.

Students work closely with their academic counselors for guidance to explore their interests and develop their strengths. They develop academic goals with the students and guide them through the course selection process, in addition to providing direction for enrichment and support in challenges. Our Academic Support Center is another resource that provides our students with peer tutoring from students in the National Honor Society and California Scholarship Federation.

Programs and resources include Naviance, college representative visits on campus, PHS Grade Level Handbooks, Junior Case Studies, Financial Aid Night, College Tours and College Application Workshops. Several standardized test preparation programs are offered based on student interest including: the PSAT, Mock SAT and ACT, SAT and ACT Bootcamps, and SAT Prep Courses. Our Mathematics and English departments also assist students with their standardized test preparation and have incorporated the personal statements and essays for college applications into their curriculum.

For more information on our Counseling Department's four-year college prep curriculum, please see the Student-Parent Handbook.

Three Focus Programs

Providence offers three programs which expand its college-preparatory curriculum: Medical Focus, Cinema Arts Focus, and Technology Focus. Students involved in any of these three programs will experience professional guest lectures from their specific area of studies, off-site observations, and hands-on training. Medical Focus program student also participate in an internship program which reinforces concepts and skills taught in the classroom. Participation outside of school hours is required. Pre-admission essay and/or project information is required with the admissions application.

Only a select group of students is admitted into these programs generally at the ninth-grade level. Students must be academically qualified, highly motivated, dedicated, and mature. For more information on these program's specific admissions and curricular requirements, please see the designated sections in this catalogue.

Graduation Requirements

Providence High School offers a challenging college-preparatory academic program. To graduate from Providence, a student must pass all required courses. Students must make up a failed course in an accredited, UC-approved program. A grade of "D" is not an acceptable grade for college entrance, and therefore, must be made up. Graduation requirements are as follows:

Religious Studies	8 semesters
English	8 semesters
Social Studies	6 semesters
Mathematics	6 semesters, 8 recommended
Sciences	6 semesters, 8 recommended
World Language*	4 semesters, 6 recommended (of the same language)
Physical Education**	4 semesters
Fine Arts***	2 semesters
Electives	5 semesters
Senior Project	1 semester (Senior Capstone Project in 12 th Grade)

**Incoming freshmen who have been studying a language that we do not offer at Providence may qualify for approval to continue their studies in that language to fulfill PHS graduation requirements under the following conditions:*

- the institution must be accredited through a nationally recognized organization
- the course(s) must be UC-approved as the appropriate LOTE level(s)
- the family must take on the additional cost of the course; there is no tuition reduction from Providence

***2 semesters of Boys or Girls PE, plus Advanced PE Electives, participation in Athletic Team Sports, and/or verification of outside athletic activities to complete the 20 credit hours required.*

****2 consecutive semesters of a fine art in the same discipline (visual, performing, or interdisciplinary).*

Recognizing that service to others is an integral part of the Gospel message and acting as an agent of change for a more just and equitable society, a minimum of 100 Christian Service Hours is also part of the school's graduation requirement.

Freshman year	10 hours
Sophomore year	20 hours
Junior year	30 hours
Senior year	40 hours

The Valedictorian and Salutatorian of any graduating class must have attended the eight semesters at PHS to be awarded this honor. Students in the three Focus Programs will wear a cord of distinction at the time of graduation. Honors are based on the total weighted PHS GPA for all eight semesters of studies, with no appreciable drop in GPA during the eighth semester of studies.

Summa Cum Laude 3.75 and above

Magna Cum Laude 3.50 to 3.74

Cum Laude 3.25 to 3.49

Subject Requirements	9 th Grade	10 th Grade	11 th Grade	12 th Grade	
Religion (8 semesters/40 credits)	Christian Formation & Mystery of Jesus Christ	Mission of Jesus Christ & Mission of the Church	Sacraments & Social Justice	World Religions & Christian Lifestyles	
English (8 semesters/40 credits)	English I (or Honors)	English II (or Honors)	American Literature OR AP Language & Composition	English IV OR AP Literature & Composition	
Social Studies (6 semesters/30 credits)	-----	World History & Geography OR AP World History	US History OR AP US History	US Gov. & Politics OR AP Gov. (yearlong)	Economics OR AP Macro (yearlong)
Science (6 semesters/30 credits)	Biology (or Honors)	AP Biology or Chemistry (or Chem. Honors)	3 rd Year Science Elective Required	Elective	
Math (6 semesters/30 credits)	Algebra I (or Honors), or Geometry (or Honors)	Geometry (or Hon) or Algebra II/Trig (or Hon)	Algebra II, or Algebra II Hon/Trig, or Pre-Calculus (or Hon)	Elective	
World Language (4 semesters/20 credits)	Spanish or French	Spanish I, II (or III), (Hon) French I, II (or III) Hon, Latin II (or III/Hon)	Elective <i>3rd year of Language strongly recommended</i>	Elective	
Fine Arts (2 consecutive semesters/10 credits)	Drama, Choir, Art I, or Ceramics	Elective <i>*Focus Program electives would fill this slot</i>	Elective <i>*Focus Program electives would fill this slot</i>	Elective <i>*Focus Program electives would fill this slot</i>	
*Physical Education & Comprehensive Wellness (2 semesters + 10 credits)	*Physical Education & Comprehensive Wellness	-----	-----	-----	

HONORS & A.P. Courses: Students must meet all pre-requisites & obtain relevant subject-teacher approval to enroll in an Honors or A.P. course *each year*. There is a separate Course Commitment Contract that students and parents must fill out during Course Selection in January/February for all Honors, A.P., and upper-division electives. We offer Advanced Placement courses and Honors classes in the disciplines of World Languages, Math, Science, and English.

***PE Graduation Requirement** – Students must earn a total of 20 PE & Wellness credits: 1 year PE & Wellness = 10 credits; participation in an athletic team sport, enrollment in another PE elective, and/or verification of outside athletic activities may count towards completion of the 20 total credits required.

Academic Information

Providence offers Advanced Placement and Honors courses in subject areas throughout the curriculum. These Honors courses provide the students with an opportunity for greater intellectual inquiry and discovery. Many colleges and universities give academic credit to high school students who successfully complete Advanced Placement Exams. Providence offers Advanced Placement courses in Mathematics, Science, Information Systems, World Language, History, English, and Art. In addition to the college preparatory courses required for graduation, Providence offers a range of elective courses to help students discover what inspires them.

Honor Roll

Students earn their place on the Honors Lists by achieving a grade point average of 3.5 or higher for the semester. All courses on a student's schedule are factored into a student's internal PHS GPA.

Honors Level Courses

Providence High School acknowledges Honors courses (weighted) for the Providence High School GPA. All Honors courses are five-point classes (A=5, B=4, C=3, D=1, F=0), and therefore may enable the student to achieve a PHS GPA of above 4.0. A student desiring to take any of these courses can expect in-depth reading and writing assignments and project work that is over and above the regular college preparatory course work done at the same grade level. Students must receive a "C" or above at the semester to remain in an Honors course.

Advanced Placement Program

Through the College Board's Advanced Placement (AP) program, students can qualify for college credit. PHS presently offers AP courses in the following: Art History, Biology, Calculus, Chemistry, Computer Science, English Language and Composition, English Literature and Composition, Environmental Science, US Government & Politics, Macroeconomics, Physics, Psychology, Spanish, Art & Design, U.S. History, and World History.

All Advanced Placement courses at PHS are five-point classes (A=5, B=4, C=3, D=1, F=0). A separate Honors & AP Course Commitment Contract outlines the specific requirements and expectations for all A.P. students. All students enrolled in these courses are required to take the Advanced Placement exam. An exam fee will be charged for each AP course taken.

Please Note: Not all colleges and universities offer course credit for scores of 3, 4, or even 5 on the College Board's official AP Exam. Check the College Board's database to see which institutions do offer course credit: www.collegeboard.org/apcreditpolicy

Admissions to Advanced Placement and Honors Classes

All courses at PHS assure a strong preparation for post-secondary studies at colleges and universities. We do, however, want to encourage those students capable of an extra challenge to take Honors and AP courses. Generally, a student takes no more than three AP courses in any one year. Students are required to meet the prerequisites and class expectations for every Honors or AP class they are considering.

Admission into these classes will be based on:

- Successful completion of all pre-requisite courses
- Recommendation by subject-relevant teacher(s)
- Recommendation by Academic Counselor
- Parent/Guardian approval
- Dean of Curriculum approval

Required Summer Assignment

Summer work is a requirement of most Honors and Advanced Placement courses. Individual instructors determine the grading process for summer work, which is due upon the start of the academic school year and is part of the overall semester grade for the course. If a student is unable or unwilling to complete this summer assignment, he/she will not be eligible for the relevant Honors, A.P., or upper-division elective.

Independent Study Program

For some students this is an avenue of developing and studying an area of interest that is over and above, or outside the scope of courses taught at PHS. A student can earn credit for work done under the guidance of an instructor in the field of the student's study and with the approval of the syllabus for study by the relevant Department Chair and Dean of Curriculum. A student and parent/guardian must sign an agreement as to the course of studies, the manner and time in which the work will be done and how this work will be assessed. The progress of a student will be given at the "Progress Report" date, along with all other courses that are evaluated at that time. For students who are capable and interested in a specific topic within a particular discipline, the independent study opportunity provides a way for motivated students to advance their understanding and potentially earn course credit.

Elective Programs and Co-Curricular Activities

Our wide variety of programs and co-curricular activities provide students with the opportunity for travel, public performance, and competition with other students. Such programs include Athletic Sports Teams, Academic Decathlon, Art, Drama/Theater, Choir, Instrumental Music, Model United Nations, Mock Trial, Yearbook, and our three unique Focus Programs.

COLLEGE

A student's acceptance into universities or colleges depends upon many factors: the student's high school transcripts meeting entrance requirements, the level of scholastic achievement as measured by GPA, SAT, and/or ACT scores (if required), letters of recommendation, involvement in co-curricular activities, and community contributions. The following pages outline course requirements for a variety of institutions. Before making decisions about a course of study, students are encouraged to seek guidance from parents, teachers, academic counselors, and our Director of College Counseling. Naviance, our college planning system, is essential for some initial college searching. However, students should always visit the admissions web page for colleges to which they are interested in applying.

University of California Requirements:

Website: www.universityofcalifornia.edu/admissions

A student intending to enroll in any of the 9 UC schools must meet the minimum requirement (15 units) described below to be eligible for freshmen admission to the University of California, with at least 11 completed prior to the beginning of senior year. A unit is equal to an academic year, or two semesters, of study.

The University accepts only "a-g" courses that appear on the official UC Certified Course List for the California high school the student attended. The "a-g" subject requirements are as follows:

- a. History — 2 years required
- b. English — 4 years required
- c. Mathematics — 3 years required; 4 years recommended
- d. Laboratory Science — 2 years required; 3 years recommended
- e. World Language — 2 years of the same language required; 3 years recommended
- f. Fine Arts — 1 year required of the same fine art: visual, performing, or interdisciplinary
- g. College Preparatory Electives — 1 year required

UC Scholarship Requirement

Earn a grade point average (GPA) of 3.0 or better (3.4 for non-residents) in these courses with no grade lower than a C.

"D" and "F" grades in the "a-g" courses must be made-up in a credit recovery course to repair the student's GPA and bolster their knowledge in that subject *before the next school year*. The UC system will not factor in grades for repeated courses in which the student initially earned a grade of "C." Though grades in the "D" range suffice for a CA high school diploma, they are unacceptable for 4-year college admissions and therefore Providence urges students to repair any grade lower than "C-."

California State University Requirements:

Website: www.csumentor.edu

First-time freshmen must meet the following eligibility requirements

- be a high school graduate or equivalent
- complete the 15-unit comprehensive “a-g” pattern of college preparatory course
- earn a qualifying “a-g” grade point average (GPA) as described below.

California residents and graduates of California high schools will be eligible for admission by earning a 2.50 or greater “a-g” GPA.

Any California high school graduate or resident of California earning a GPA between 2.00 and 2.49 may be evaluated for admission based upon supplemental factors.

The California State University understands the challenges that students are facing in their current high school courses due to COVID-19. In response, the CSU has *temporarily suspended* the SAT or ACT test requirements only for students applying for admission in fall 2022 as freshman. This means that SAT and ACT scores will not be used for determining who gets admitted into the CSU. Information is currently not available for fall 2023 and beyond.

CERTIFIED COURSES FOR ADMISSION INTO THE UC AND CAL STATE SYSTEM

It is important to note that the University of California and the Cal State System certify several courses offered at Providence High School as acceptable for admission into their systems. Courses that are not designated as **UC approved* in this course catalog will NOT be used by the UC and Cal State Systems in the calculating the admission GPA.

The following courses are certified by the University of California and Cal State System as Honor level or Advanced Placement and receive extra Honors credit. (A=5, B=4, C=3)

History: AP US Government, AP US History, AP World History

English: English II Honors, AP Language & Composition, AP English & Composition

Mathematics: AP Calculus AB, AP Calculus BC, Pre-Calculus Honors

Lab Sciences: AP Biology, Chemistry Honors, AP Chemistry, AP Environmental Science, AP Physics 1, AP Computer Science Principles

World Languages: French III Honors, Spanish III Honors, Latin III Honors, AP Spanish Language

Visual Arts: AP Art & Design: Drawing, AP Art: 2-D Design, AP Art: 3-D Design, AP Art History

Electives: AP Computer Science, AP Macroeconomics, AP Psychology

GRADE POINT AVERAGE FOR THE UC AND CAL STATE SYSTEM

The UC and Cal State system recalculate a student's grade point average using only approved "a-g" courses. A UC/CS GPA is calculated by assigning point values to the grades earned, totaling the points and dividing the total by the number of "a-g" courses. Points are assigned as follows: A=4 points, B=3 points, C=2 points, D=1 point, and F=0 points. Please note that plus (+) and minus (-) marks are not calculated in the grade point average.

Only the grades earned in "a-g" subjects in the 10th and 11th grades - including summer sessions - are calculated into preliminary UC/CS GPAs. *Courses taken in ninth grade can be used to meet the Subject Requirement if a grade of C or better was earned, but they will not be used to calculate the GPA.*

The UC and Cal State System assigns extra points for up to eight semesters of approved Honors and AP courses taken in the last three years of high school: A=5 points, B=4 points, C=3 points. *No more than two approved honors level courses taken in the tenth grade may be given extra points.* Extra points cannot be earned for Honors or Advanced Placement courses where the grade of "D" was received.

Private Universities and Colleges

Admission to most universities and colleges are based on the following:

1. Scholastic Record (Grades in college prep courses)
2. Strength of Curriculum (Rigor of courses selected)
3. College Entrance Exams (*if required*, SAT and/or ACT scores, SAT Subject Tests)
4. Essays (Written by the students themselves for college admission)
5. Demonstrated Interest (Student contact, campus visits, contact with representative, etc.)
6. Letters of recommendation (Teacher and Counselor)
7. Co-curricular activities (community contributions, meaningful service, initiative, and leadership)

Students should be aware that requirements for institutions and majors vary. Students with a specific school in mind should consult that school's admission website and admissions representatives to determine requirements.

California Community Colleges

Any student who has graduated from high school may gain admission into a community college. However, once accepted, a student must maintain a passing average. Many students study for two years at community college before transferring to a four-year college for a variety of reasons. Community colleges can offer academic, financial, and social benefits and prepare students to improve their prospects or complete their degrees at a wide range of 4-year universities.

Students who do not qualify for admission into a four-year institution upon graduation may enroll in "transfer courses" at the community college. If a student attains at least a "C" grade in those courses, they may transfer to a four-year college with the standing of a junior after two years or 60 units. Some universities call for a higher-grade average for transfer students from the community colleges, requirements vary.

English Department

#10810 - ENGLISH I: College Preparatory Freshmen Composition (9th)

10 Credits | One Year

This course surveys a variety of genres, with an emphasis in literary analysis, reading comprehension, grammar skills and vocabulary building that will assist students in the acquisition of composition skills necessary for clarity in their compositions. By the end of the ninth grade, students can compose a multi-paragraph essay, consisting of an introduction that includes a thesis statement, body paragraphs that respond to the thesis and ending with a concluding paragraph.

**UC approved; meets the 'b' requirement*

#10812 - ENGLISH I HONORS: Freshman Composition (9th)

10 Credits | One Year

Prerequisites: demonstrated interest, teacher recommendations, and excellent performance in prior English courses

This course is the same as English I, but progresses at an accelerated pace with more rigorous standards and covers more content. It too emphasizes reading comprehension, critical thinking, grammar skills and vocabulary building that will assist students in the acquisition of composition skills necessary to compose the body paragraph and the multi-paragraph essay. Students will also learn study skills and note-taking skills necessary to succeed and thrive in college preparatory academics.

**UC approved; meets the 'b' requirement*

#10820 - ENGLISH II: College Preparatory World Literature & Composition (10th)

10 Credits | One Year

English II includes classical and contemporary selections from authors around the world, organized into thematic, interdisciplinary units that correspond to their 10th grade Social Studies and Religion classes. Teachers coordinate their lessons and assessments to foster students' ability to make insightful connections and enduring understandings across subjects. Equally important is the continued emphasis on expository writing, namely, the multi-paragraph essay, while also developing the tools of effective communication, critical thinking skills and analysis.

**UC approved; meets the 'b' requirement*

English Department

#10822 - ENGLISH II HONORS: World Literature & Composition (10th)

10 Credits | One Year

Prerequisites: A in English I (#10810), or B or higher in English I Honors (#10812); current teacher recommendation; instructor approval; and departmental approval

English II Honors follows the course of study described for English II in World Literature at an accelerated pace and with higher standards for textual analysis and composition skills. Critical thinking and reading skills will develop in analytical and expository essays geared towards preparing students for acceleration into AP Language. Clarity in reading, thinking, writing, and oral communication is a major goal for this course.

**UC approved; meets the 'b' requirement*

#10830 - ENGLISH III: College Preparatory American Literature & Composition (11th)

10 Credits | One Year

In English III, students will explore questions surrounding American identity by studying literature as a crucial manifestation of and catalyst for North American culture. Readings and assignments organized into thematic, interdisciplinary units correspond to their 11th grade Social Studies and Religion classes. Teachers of those courses coordinate their lessons and assessments to foster students' ability to make insightful connections and enduring understandings across disciplines. Students are taught to synthesize information from multiple sources and are required to learn how to correctly cite sources for academic writing. Students will be exposed to all modes of writing: persuasive, descriptive, and narrative.

**UC approved; meets the 'b' requirement*

#10832 - ENGLISH III: Advanced Placement English Language and Composition (11th)

10 Credits | One Year

Recommended Prerequisites: A in English II (#10820), or B or higher in English Honors II (#10822); instructor approval; departmental approval; aptitude and interest in subject matter; and demonstration of strong writing skills

This course focuses on non-fiction and rhetorical analysis. In this regard, critical thinking and reading skills are essential and continue to be honed. Students are expected to write powerfully and concisely as they learn techniques of stylistic analysis, rhetorical analysis, and synthesis of information from a variety of sources in an argumentative essay. There is an AP exam fee for this course.

**UC approved; meets the 'b' requirement*

English Department

#10840 - ENGLISH IV: College Preparatory English Literature & Composition (12th)

10 Credits | One Year

Students will read classic and modern works of fiction as well as various shorter works of non-fiction related to current events and topics relevant to students' personal interests. They will read and write both poetry and prose. Throughout the course of the year, students will revisit and learn more about narrative forms, literary analysis, and informational writing modes. Students will also practice their public speaking and listening to polish their communication skills.

**UC approved; meets the 'b' requirement*

#10842 - ENGLISH IV: Advanced Placement English Literature & Composition (12th)

10 Credits | One Year

Recommended Prerequisites: A in American Lit. and Comp. (#10830), or B or higher in AP Lang. & Comp. (#10832); instructor approval; departmental approval; aptitude and interest in subject matter; and demonstration of strong writing skills

This course is taught on the college-level and offers an in-depth study of various genres of fiction and poetry. Students will learn about and be able to explain how socio-economic movements and psychological theories have shaped literary analysis. Students will read and analyze sophisticated works from classical to contemporary times with a degree of emphasis on literature from the British Isles. Students continue to develop their analytical writing skills with close readings and consideration of literary criticism from scholarly articles and other outside academic resources.

**UC approved; meets the 'b' requirement*

Humanities

#50690 – ACADEMIC DECATHLON

5 Credits | Semester

Academic Decathlon is a fall semester course for those students who wish to compete as members of the PHS Academic Decathlon team. The USADA provides the curriculum each summer and so it varies from year to year. Team members must master literature, science, math, social studies, art and music relevant to the assigned theme. In addition to enrollment in this class, team members will be expected to attend all weekly study sessions as well as the summer camp and weekend /vacation study sessions.

The time commitment is a serious one, so students are asked to weigh their other co-curricular activities carefully, such as participating in a fall sports team, choir, the fall play, or other activities that might conflict with morning or afternoon practice sessions. There is a fee for this course.

**UC approved; meets the 'g' requirement*

#10870 – ADVANCED JOURNALISM (YEARBOOK - 10th, 11th & 12th)

10 Credits | One Year

Prerequisite: Completed course application; and instructor approval

Advanced Journalism is a two-semester course that allows students to develop the skills necessary to create and produce the Esprit yearbook. Students will be knowledgeable in photojournalism, a wide range of design concepts, journalistic writing skills, interviewing techniques, research, and analysis of information. Students in this course are required to learn layout design, conduct interviews with members of the Providence community; write and fit copy, captions, and headlines; learn photojournalism techniques; fundraise, and sell senior tribute ads. Individual responsibility is essential toward the completion of assignments for deadlines. Students learn to collaborate as a team to create a cohesive publication. Students can also accept leadership positions and develop executive skills as they build the yearbook. This course can be repeated by students to further develop their journalistic, design, executive, and leadership skills. Each year that a student takes this course they will be given greater leadership and responsibility to develop students new to the yearbook staff.

**UC approved; meets the 'g' requirement*

Humanities

#10004 - LEADERSHIP IN THE 21ST CENTURY

5 Credits | Fall Semester

This one semester course is devoted to exploring, studying, discussing, and debating the history of leadership, leadership styles, and techniques to grow and improve leadership skills. This exploration will take place through assigned reading, lectures, class discussions, group projects/presentations, homework assignments, self-reflective journal writing, quizzes/tests, and essays. We will also secure some outside guest speakers. CLASS PARTICIPATION is a must!

**UC approved meets the 'g' requirement*

#10002 - PUBLIC SPEAKING & PRESENTATION DESIGN

5 Credits | Spring Semester

This innovative performance-based elective course offers students of all grades the opportunity to develop, practice and polish the valuable life skills of communication and presentation design. Students research topics of their choosing to compose and present various speeches and talks, collaborating in a workshop setting to critique and support one another. We will study the important elements of effective public speaking through the analysis of famous public speakers as well as speeches on a variety of topics, including popular TED talks. This class will also explore the creative use of visual presentations through various digital tools. The course will culminate in a performance event that will give the students an opportunity to present their best talks to the Providence community.

**UC approved meets the 'g' requirement*

#XSP11 – SENIOR CAPSTONE (SENIOR PROJECTS - 12th)

5 Credits | Spring Semester

Seniors can schedule the Senior Projects graduation requirement into their regular rotation of classes within the school day or include it as an additional block in their schedule. The Senior Capstone Project culminates their academic, intellectual, and personal journey at Providence. Through their research, fieldwork, and product development, students refine the research, writing, interpersonal communication, and design skills they have developed throughout their three and a half years in high school. Students hone those transferable skills and connect their learning to platforms and issues beyond the classroom while exploring a specific major, career, or field of interest. The real-world relevance and career-specific knowledge empowers students with the confidence to embark on the next phase of their academic and professional journey.

**Graduation Requirement for all Seniors - UC approved meets the 'g' requirement*

Information Science and Business Technology Department

#10190 - AP COMPUTER SCIENCE PRINCIPLES (11th and 12th)

10 Credits | One Year

Recommended Prerequisites: Game Programming I (#10131); Game Programming II (#10145); Robotics I (#10171); Robotics II (#10181); and Department Chair approval

This course is designed to be equivalent to a first-semester introductory college computing course. In this course, 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. The course is unique in its focus on fostering student creativity. 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. They 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.

**UC approved; meets the 'g' requirement*

Information Science and Business Technology Department

#10121 - MARKETING FOUNDATIONS (12th)

5 Credits | Spring Semester

Social Media has established itself as the pre-eminent focal point for social interaction using web-based technologies, with people generating their own content, social commentary and opinions reaching a wide audience through friends, recommendations and same interest groups. Businesses from small to large are using Social Media to engage with their customers on an entirely new level, helping promote their products and services and keep in touch with them on a personal level. This course is for people who want to learn more about how they can use Social Media and new age marketing as an effective tool to enhance and develop their business marketing, sales, product/service management, pricing and distribution.

**UC approved; meets the 'g' requirement*

Mathematics Department

#10510 - ALGEBRA I (9th)

10 Credits | One Year

This foundational course in college preparatory mathematics includes an introduction to the language of algebra, polynomials, factoring, inequalities, functions, and relations, open sentences in one, and two variables, rational and irrational numbers, quadratic functions and equations, and word problems.

**UC approved; meets the 'c' requirement*

#10512 - ALGEBRA I HONORS (9th)

10 Credits | One Year

Prerequisites: Departmental approval based on PHS Math Placement Test

The goal of this course is to offer a more in-depth study of all the concepts covered in the Algebra I course. Mathematical reasoning is emphasized in this course.

**UC approved; meets the 'c' requirement*

#10520 – GEOMETRY

10 Credits | One Year

Prerequisites: Algebra I (#10510); or departmental approval based on PHS Math Placement Test

This course includes an introduction to deductive reasoning and two-column proof, basic postulates and theorems, lines and angles, parallel lines and planes, congruent triangles, inequalities in triangles, quadrilaterals, similarity, right triangles and right triangle trigonometry, circles, area, and coordinate geometry.

**UC approved; meets the 'c' requirement*

Mathematics Department

#10522 – GEOMETRY HONORS

10 Credits | One Year

Prerequisites: Current instructor recommendation and B+ or higher in Algebra I Honors (#10512); **OR** grade of A or higher in Algebra I in the Fall semester (#10510) Grades must be maintained during the Spring semester or Honors placement may be rescinded.

Intro. to Geometry summer enrichment course is highly recommended to be better prepared for the rigors of the Geometry Honors course. (see Math Department Chair for details)

The goal of this course is to offer a more in-depth study of the concepts covered in the college preparatory geometry course #10520. Mathematical reasoning and application are emphasized in this course plus extensive practice in writing proofs. Geometry Honors students are required to tutor/help other college prep students as part of their grade. This course has a mandatory summer work packet or a summer assignment.

**UC approved; meets the 'c' requirement*

#10530 - ALGEBRA II

10 Credits | One Year

Basic Concepts of Algebra, Inequalities, Linear Equations applications and their Graphs, Linear Systems, Functions and Relations, Products and Factors of Polynomials, Applications of Factoring, Rational Expressions, Using the Laws of Exponents, Problem solving Using Fractional Equations, Irrational and Complex Numbers, Roots and Radicals, Quadratic Equations and Functions, Quadratic Functions and their Graphs, Variations, Solving Polynomial Equations, Exponential and Logarithmic Functions and their Applications.

**UC approved; meets the 'c' requirement*

#10532 - ALGEBRA II/ TRIGONOMETRY HONORS (11th)

10 Credits | One Year

Prerequisites: Current instructor recommendation; B+ or higher in Geometry Honors Fall semester (#10522); **OR** grade of A or higher in Geometry Fall semester (#10520) **and** an A or higher in Algebra 1 in the Fall semester and Department Chair approval. Grades must be maintained during the Spring semester or Honors placement may be rescinded. Intro to Trigonometry summer enrichment course is highly recommended to be better prepared for the rigors of the Algebra II/Trig Honors course. (see Math Department Chair for details)

Algebra II/Trigonometry Honors is an advanced course that offers a more in-depth at the Honors level study of the concepts covered in the Algebra II College Prep course. More content is covered at this

level, including Trigonometric Identities, and Sequence and Series. This course has a mandatory summer work packet or summer assignment. TI-83, TI-84 or TI-89 family of graphing calculator required.

**UC approved; meets the 'c' requirement*

Mathematics Department

#10540 - PRE-CALCULUS (11th & 12th)

10 Credits | One Year

Prerequisites: Current instructor recommendation with a B+ or higher in Algebra II Fall semester (#10530). Intro to Trigonometry summer enrichment course is highly recommended to be better prepared for the rigors of the Pre-Calculus course (see Math Department Chair for details).

Functions and their Graphs; Graphing and Analysis of Linear Equations, Graphing and Analysis of Cubic and Higher Degree Functions, Long and Synthetic Division, Exponential and Logarithmic Functions, Graphing. Trigonometric Functions of Real Number, Trigonometric Graphs, Trigonometric Functions of Angles, Trigonometry of right Triangles. The Laws of Sine and Cosine, Analytic Trigonometry, Solving of Trigonometric Identities, and polar coordinates and their graphs. This course has a mandatory summer work packet or summer assignment.

**UC approved; meets the 'c' requirement*

#10542 - PRE-CALCULUS HONORS (11th & 12th)

10 Credits | One Year

Prerequisites: Current instructor recommendation with a B+ or higher in Algebra II/Trig Honors Fall semester (#10532); **OR** grade of A in Algebra II Fall semester (#10530). Grades must be maintained during the Spring semester or Honors placement may be rescinded.

The Honors course offers a more in-depth study of the concepts covered in the College Prep course. Students are expected to delve deeper into mathematical functions and problem solving. Also, students in this course will cover more content like Vectors. Functions and their Graphs; Graphing and Analysis of Linear Equations, Graphing and Analysis of Cubic and Higher Degree Functions, Synthetic Division, Exponential and Logarithmic Functions, Graphing and Analysis of Conic Functions and Sequences, Series and Combinations. Trigonometric Functions of Real Number, Trigonometric Graphs, Trigonometric Functions of Angles, and Trigonometry of right Triangles. The Laws of Sine and Cosine, Analytic Trigonometry, Solving of Trigonometric Identities, and polar coordinates and their graphs. This course has a mandatory summer work packet or summer assignment. TI-83, TI-84 or TI-89 family of graphing calculator required.

**UC approved; meets the 'c' requirement*

Mathematics Department

#10554 - CALCULUS (11th & 12th)

10 Credits | One Year

Prerequisites: Current instructor recommendation with a B+ or higher in Pre-Calculus Fall semester (#10540); **OR** grade of B- in Pre-Calculus Honors Fall semester (#10542); **OR** B+ or higher in Algebra II/Trigonometry Honors Fall semester (#10532) **AND** successful completion of a UC approved Pre-Calculus course with prior approval of Math Department Chair and Dean of Curriculum.

Grades must be maintained during the Spring semester or placement may be rescinded.

An intermediate course to introduce the basics of calculus to capable mathematics students. The topics to be covered in the first semester include functions, the rate of change of a function, limits, the derivative and its applications, and continuity. In the second semester, topics of investigation include: integration, area under the curve, applications of the integral, natural logarithms, and exponential functions, inverse trigonometric functions, methods of integration, and plane analytic geometry. This course has a mandatory summer work packet or summer assignment. TI-83, TI-84 or TI-89 family of graphing calculator required.

**UC approved; meets the 'c' requirement*

#10550 - AP CALCULUS AB (11th & 12th)

10 Credits | One Year

Recommended Prerequisites: Current instructor recommendation; A or higher in Pre-Calculus Fall semester (#10540); **OR** grade of B+ or higher in Pre-Calculus Honors Fall semester (#10542). Grades must be maintained during the Spring semester or recommendation may be rescinded.

An advanced course to study Calculus for the most capable mathematics students. The topics to be covered include functions, the rate of change of a function, limits, the derivative and its applications and continuity. Second semester topics for investigation include integration and area under the curve, applications of the integral, natural logarithms and exponential functions, inverse trigonometric functions, methods of integration, and plane analytic geometry. There is an AP exam fee for this course. This course has a mandatory summer work packet or summer assignment. TI-83, TI-84 or TI-89 family of graphing calculator required.

**UC approved; meets the 'c' requirement*

Mathematics Department

#10555 - AP CALCULUS BC (11th & 12th)

10 Credits | One Year

Recommended Prerequisites: Current instructor recommendation with a grade of A in Pre-Calculus Fall semester (#10540); **OR** a grade of B+ or higher in Pre-Calculus Honors Fall semester (#10542)

Calculus BC is a college-level course for the most capable student. Students who take this course are expected to take the Advanced Placement Exam in May. The following topics are included: functions, limits, derivatives and tangent lines, applications of derivatives, anti-derivatives, integrals and the area problem, applications of integrals, exponential functions, elementary differential equations including slope fields and Euler's Method, parametric representations including polar coordinates, sequences and series, and Taylor Polynomials. There is an AP exam fee for this course. This course has a summer work packet or summer assignment. TI-83, TI-84 or TI-89 family of graphing calculator required.

**UC approved; meets the 'c' requirement*

#10533 – ADVANCED ALGEBRA with FINANCIAL APPLICATIONS (11th & 12th)

10 Credits | One Year

Prerequisites: Algebra II (#10530 or #10532)

Financial Algebra is an algebra-based, technology-rich program that uses Algebra II skills in a financial setting. It also introduces students to selected topics from Algebra II and Pre-calculus in an ability-appropriate way, while covering the study of taxes, insurance, banking, budgeting, investing, home ownership, auto ownership, credit, and more. It offers all students the opportunity to extend and practice their algebra mechanics and problem-solving skills in an age-level interest scenario.

**UC approved; meets the 'c' requirement*

Physical Education & Comprehensive Wellness Department

#10910 & #10920 - PHYSICAL EDUCATION & COMPREHENSIVE WELLNESS 10 Credits | One Year

*Required as Freshmen

We believe in a comprehensive and holistic approach to student well-being. Therefore, we focus on four pillars of health: physical, social, mental, and emotional well-being. For physical health, the focus is on introducing students to various exercise techniques and teaching them many popular sports of today such as volleyball, soccer, basketball, baseball/softball and other team fitness games such as ultimate frisbee, team handball, and kickball. In our unit on social health, we focus on relationship building, conflict resolution, and teamwork. For mental health we focus on skills such as positive coping mechanisms, stress management, sleep patterns, yoga, and meditation. Then our unit on emotional health focuses on self-care, building self-esteem, advocacy, and resiliency techniques. All of this is achieved with collaboration from our counseling department and partnerships with programs such as #OneLove. The classes and sections are delineated by biological sex and gender in the freshman year to provide a safe and comfortable environment for students to learn and share. At Providence, PE & Wellness is much more than just exercising the body; it is about building a strong foundation for the overall health and success of our students.

#10931 - ADVANCED PHYSICAL EDUCATION

5 Credits | Fall Semester

Prerequisites: Boys' (10910) or Girls' (10920) PE & WELLNESS; and departmental approval

This course is co-ed and designed to provide students with the opportunity to fine-tune their skills in team sports and design personalized fitness programs. The course will include individual fundamental instruction and practice, team play, and various cardiovascular, flexibility and strengthening exercises. The course will also incorporate the use of the weight room as well as individual and group fitness plans.

#10932 - ADVANCED PHYSICAL EDUCATION

5 Credits | Spring Semester

Prerequisites: Boys' (10910) or Girls' (10920) PE & WELLNESS; and departmental approval

Students may continue with Advanced PE from the fall semester or start anew with the course in the spring. This course is co-ed and designed to provide students with the opportunity to fine-tune their skills in team sports and design personalized fitness programs. The course will include individual fundamental instruction and practice, team play, and various cardiovascular, flexibility and strengthening exercises. The course will also incorporate the use of the weight room as well as individual and group fitness plans.

Physical Education & Comprehensive Wellness Department

#10788 – DANCE I – MOVEMENT EXPLORATION (all levels)

10 Credits | One year

Over the course of the year, students will learn the foundational techniques of multiple dance styles: ballet, jazz, modern, contemporary and hip hop, with an emphasis on correct body alignment, improving flexibility, strength and conditioning, as well as expression and developing their own artistry. In addition, there will be a focus on creating your own work and choreography.

*This class is a fine art credit that can serve to fulfill the 20-credit PE requirement as well, culminating in at least one performance opportunity, with the possibility for more. No prior dance training necessary.

**UC approved; meets the 'f' requirement*

#10970 – TEAM SPORTS

5 Credits | One season

Students who participate in a season on a Providence Athletic Team earn 5 credits per season towards the total 20 PE & Wellness credits required for graduation. The full list of Team Sports can be found on our public website each year and includes Girls Volleyball, Girls Basketball, Boys Basketball, Golf, Tennis, Equestrian, Boys Soccer, Girls Soccer, Cross Country, Track & Field, Cheer, Baseball, & Softball. Students can also obtain verification of PE credit through outside activities that meet the requirements. Students interested in outside activities for PE credits beyond freshman year should reach out to their Academic Counselor.

Religious Studies Department

#10210 - CHRISTIAN FORMATION (9th)

5 Credits | Fall Semester

An examination of the history, literature, and teaching of the Old Testament/Hebrew Scriptures with special consideration for those issues affecting the Christian faith and the New Testament. In the first unit of this course looks at the first chapters of Genesis and then covers the basics of Revelation and biblical interpretation. The second, third and fourth units continue sequentially through the Old Testament. This allows students to have a deep understanding of God's Revelation through the Old Testament. The final unit is a brief introduction to the New Testament foreshadowing Jesus Christ as the fulfillment of salvation history. Each unit focuses on a different section of the Old Testament, requiring students to read significant portions of the Bible. The meaning of these biblical texts is then explored as students begin learning biblical interpretation, or exegesis.

#10215 - THE MYSTERY OF JESUS CHRIST (9th)

5 Credits | Spring Semester

An examination of the history, literature, and teaching of the New Testament/Christian Scriptures with special consideration of the Gospels. The first unit of this course focuses on getting to know Jesus as the fully human, fully Divine Son of God by exploring the synoptic Gospels and the Letters of Saint Paul. The second unit explores Jesus' divinity, with an emphasis on the Gospel of John. The third unit looks at Jesus as the ultimate Revelation of God. The final unit looks at Christians personal call to holiness, service, and witness to the saving mission of Jesus Christ. This allows students to have a deep understanding of God's Revelation through the New Testament. Each unit focuses on a different section of the New Testament, requiring students to read significant portions of the Bible. The meaning of these biblical texts is then explored as students continue developing their biblical interpretation, or exegesis, skills.

#10220 - THE MISSION OF JESUS CHRIST (10th)

5 Credits | Fall Semester

This course is designed to help students become better disciples of Jesus Christ, more open to the Holy Spirit, and to grow stronger in their faith in God. This can only be achieved by enabling the student to explore and discover the truth contained within the word of God as spoken through scripture tradition and the teachings of the church. Knowledge of the truth then should lead students to action, that is, to Christian living in the world.

#10225 - THE MISSION OF THE CHURCH (10th)

5 Credits | Spring Semester

This course is designed to enable the students to explore and grow in their understanding of the mission of the Church and come to appreciate that in and through the Church they encounter Jesus Christ. They will come to understand why the Church is the living body of Christ on earth. By exploring the meaning

of the reality that the Church is both divine and human, visible and invisible, the student will learn not so much about events in the life of the Church as about the sacred nature of the mystery of the Church and what part they play in its mission.

Religious Studies Department

#10230 - CELEBRATING SACRAMENTS (11th)

5 Credits | Fall Semester

This course offers the students an opportunity to explore the rich tradition of sacramental theology and practice that is fundamental in Catholicism. In their encounter with this essential dimension of Catholic faith, students can better appreciate the significance of the sacraments and better understand the relationship each person has with the Divine.

#10235 - SOCIAL JUSTICE (11th)

5 Credits | Spring Semester

This course offers the students an opportunity to study the origins and development of Catholic social justice tradition. The first focus will be the gospels demand for justice and compassion in society. Secondly, students will be introduced to the long history of the Church's work for a society reflecting gospel values. As part of this study, the class will review the social justice documents which the popes and the bishops have developed.

#10250 - WORLD RELIGIONS (12th)

5 Credits | Fall Semester

This course helps students understand the manner in which the Catholic Church relates to non-Catholic religions of the world. Students are exposed to various religious traditions and belief systems. This includes religions of the East (Buddhism and Hinduism) and those of the West (Judaism, Christianity, and Islam). This course is also intended to help them recognize the ways in which other systems of belief and practice differ from the Catholic faith.

**UC approved; meets the 'g' requirement*

#10255 - CHRISTIAN LIFESTYLES (12th)

5 Credits | Spring Semester

This course is designed to help students understand the call to live a mature Christian lifestyle. The single life will be discussed as a possible freely-chosen option in our society. Marriage will be studied as a sacrament and an institution. The religious vocation will also be explored as an important option in the Christian community.

Science Department

#10620 - BIOLOGY (9th)

10 Credits | One Year

This first-year laboratory science course examines life at all levels of organization in living organisms through the study of molecular and cellular biology, energy flow in cells and in food webs including recycling of nutrients through ecosystems, genetics, evolution of organisms, ecology, population growth and diversity, and current life science issues such as biotechnology and genetic engineering. Through laboratory work and field studies, students observe, measure, experiment, analyze and demonstrate actual scientific phenomena and understand the significance of the scientific method. Students participate in discussions on socioeconomic aspects of life including global climate, pollution, and nature conservation. This course is a graduation requirement.

**UC approved; meets the 'd' requirement*

#10622 - BIOLOGY HONORS (9th & 10th)

10 Credits | One Year

Prerequisites: B or higher in previous Math & English courses; a score of 20 or higher on the High School Placement Test (HSPT) science section; **OR** B or better in English I (#10810 or #10812) **and** B or better in Algebra I (#10510 or #10512)

The Honors Biology course includes an in-depth study of living things and how they function in a changing environment. Emphasis is on the structure and biochemistry of cells, plant and animal physiology, genetics, and ecology with a focus on homeostasis and community interactions. In addition to the general biology description of the course listed above, honors students are further challenged with problem solving labs, forming hypotheses, designing experiments, and analyzing data.

Students are exposed to an advanced level of understanding of biotechnology. Key concepts and unifying themes are presented to help students develop a coherent view of life and to understand the importance of biological sciences in society. This course has a summer work packet or summer assignment.

**UC approved; meets the 'd' requirement*

Science Department

#10650 - AP BIOLOGY

10 Credits | One Year

Recommended Prerequisites: B+ or higher in Honors Biology (#10622 or #10621); B+ or better in Honors Chemistry (#10632 or #10638); department chair approval; and Science Department diagnostic test

Students will also need to set up a personal online e-book access account as per instructor's direction.

This elective biology course is highly recommended for students pursuing the challenge of a college level curriculum who have demonstrated an interest, motivation, and commitment and have completed rigorous course work in the vertical alignment of courses in science leading to this higher level course. From molecules and cells to ecosystems and the biosphere, the course deals with advanced studies in cell and molecular biology, cell chemistry, energy in living systems, genetics, heredity, evolution, population and diversity, and ecology. The curriculum also provides enhanced study of the structure and function of the human body using technology and website access to Pearson Higher Education Learning. The course is intended to broaden the students' backgrounds in the biological sciences. The class prepares the student for the College Board's AP Biology exam. This course has a summer work packet or summer assignment. There is an AP exam fee for this course.

**UC approved; meets the 'd' requirement*

#10630 - CHEMISTRY (10th)

10 Credits | One Year

Prerequisites: Biology (#10620 or #10622); Algebra I (#10510 or #10512)

This laboratory course investigates the chemical nature of matter and energy. The broad selection of topics is intended to provide the student with a strong foundation for further scientific study. The laboratory work is designed to give the student an opportunity for both observation and investigation of matter and energy. Topics of study include measurement, structure of atoms, periodic table trends, bonding, chemical properties and reactions, Stoichiometry, gases and their properties, acids and bases, solutions, chemical thermodynamics, equilibrium and reaction rates, and nuclear processes.

**UC approved; meets the 'd' requirement*

Science Department

#10632 - CHEMISTRY HONORS (10th)

10 Credits | One Year

Prerequisites: B+ or higher in Biology Honors or A in CP Biology (#10620, #10622, or #10621); B+ average in current Math class; and departmental approval

This laboratory course investigates the chemical nature of matter and energy. Students are challenged to higher levels of critical thinking and applications through intensive lab work, research projects and an emphasis on the language of chemistry and its mathematical applications. This course has a summer work packet or summer assignment.

**UC approved; meets the 'd' requirement*

#10633 - AP CHEMISTRY (11th & 12th)

10 Credits | One Year

Recommended Prerequisites: B or higher in Chemistry Honors (#10632); B or higher in Algebra II/Trig CP/Honors (#10530 or #10532); B or higher in Physics CP/Honors (#10642 or #10640); departmental approval; AP Chemistry teacher approval; and Science Department diagnostic test

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. Students attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. This college course in general chemistry differs qualitatively from the usual first secondary school course in chemistry with respect to the kind of textbook used, the topics covered, the emphasis on chemical calculations and the mathematical formulation of principles, and the kind of laboratory work done by students. This course has a summer work packet or summer assignment. There is an AP exam fee for this course.

**UC approved; meets the 'd' requirement*

#10642 - PHYSICS (11th & 12th)

10 Credits | One Year

Prerequisites: B or higher in Geometry (#10520 or #10522); Science Department approval; Math Department approval

Co-requisite: Algebra II (#10530) or Algebra II Honors/Trigonometry (#10532)

This is an introductory laboratory course investigates the physical behavior of matter. Topics covered include motion in one and two dimensions, force, momentum, energy, waves and oscillations, electricity and magnetism, and an introduction to thermodynamics and atomic physics. This course is highly recommended for completing a comprehensive high school 3-year science program.

**UC approved; meets the 'd' requirement*

Science Department

#10640 - PHYSICS HONORS (11th & 12th)

10 Credits | One Year

Prerequisites: B+ or higher in Algebra I (#10510 or #10512); B+ or better in Algebra II/Trig (#10530 or #10532); Science Department approval; Math Department approval

Co-requisites: Algebra II/Trigonometry Honors (#10532)

This laboratory course investigates the physical behavior of matter. Topics covered include motion in one and two dimensions, force, momentum, energy, waves and oscillations, electricity and magnetism, and an introduction to thermodynamics and atomic physics. This course is highly recommended for completing a comprehensive high school 3-year science program. This course has a summer work packet or summer assignment.

**UC approved; meets the 'd' requirement*

#10643 - AP PHYSICS 1 (11th & 12th)

AP Physics I and II are two separate one-year courses that replace AP Physics B

10 Credits | One Year

Recommended Prerequisites: B+ or higher in Algebra II (#10530 or #10532), **OR** B or higher in Pre-calculus (#10540 or #10542); department chair approval

Co-requisites: Algebra II/Trig (#10530 or #10532)

Algebra-based course content - Students explore principles of Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. The course is based on six Big Ideas, which encompass core scientific principles, theories, and processes that cut across traditional boundaries and provide a broad way of thinking about the physical world. This course has a summer work packet or summer assignment. There is an AP exam fee for this course. The Big Ideas are:

- Objects and systems have properties such as mass and charge. Systems may have internal structure.
- Fields existing in space can be used to explain interactions.
- The interactions of an object with other objects can be described by forces.
- Interactions between systems can result in changes in those systems.
- Changes that occur as a result of interactions are constrained by conservation laws.
- Waves can transfer energy and momentum from one location to another without the permanent transfer of mass and serve as a mathematical model for the description of other phenomena.

**UC approved; meets the 'd' requirement*

Science Department

#10655 - NUTRITION SCIENCE (11th & 12th)

10 Credits | One Year

Prerequisites: Biology (#10620, #10621, #10624, or #10650)

Co-requisites: Chemistry (#10630, #10632, or #10633)

This course introduces students to the basic science of nutrition and its application to daily life. Students will explore the major organic molecules (carbohydrates, lipids, proteins, vitamins, and minerals) and their importance in any diet. Topics such as sports nutrition, diet and health, and good nutrition for life will guide the course. The class studies the latest research and emerging issues in nutrition while conducting self-analysis, mock consultations, and an examination of nutrition in the media.

**UC approved; meets the "g" requirement*

Science Department

#10665 - KINESIOLOGY (11th & 12th)

10 Credits | One Year

Prerequisites: Biology (#10620, #10621, #10624, or #10650); and Chemistry (#10630, #10632, or #10633)

Did you know that ankles can sprain in different ways and are diagnosed and treated based on the type? Did you know that there are multiple ways to block pain besides pain-killer oral medications based on the pain source? Organized professional and recreational sports is a part of human civilization. Come, take Kinesiology to understand human motion & movement that focuses on structural and functional anatomy of bones, muscles, joints, and supporting tissues. As with any type of physical activity there is always the risk of injury and this course provides a clear understanding of injury and repair processes. Additionally, students will understand the coordination of skeletal, muscular system, cardiovascular, and nervous systems and the role of muscles in contraction, stretching, and strength training. The course also covers injury evaluation (including all aspects of concussions) along with mechanisms and characteristics of musculoskeletal and nerve trauma. Finally, the student will learn about therapeutic exercise and rehabilitation as part of a fast-growing career directed toward Sports Medicine.

**UC approved; meets the "g" requirement*

#10660 - ANATOMY & PHYSIOLOGY (11th & 12th)

10 Credits | One Year

Prerequisites: B or higher in Biology (#10620, #10621, #10622, or #10650); and B or higher in Chemistry (#10630, #10632, #10638, or #10633)

Are food preservatives harmful? Why is sleep so important? How do your hormones control all of your body functions and growth as well as metabolism? How do muscles act like machines? This lab-based course is designed for students pursuing the possibility of a career in the health sciences as well as students wanting to gain a better understanding of structure and function of body systems as they relate to disease mechanisms and associated risk factors. The first semester includes general terminology, histology and a detailed study of the endocrine system and how it is connected to all the other systems in the body. The second semester continues with study of endocrine system and its connections to the reproductive system including puberty, pregnancy, childbirth, and menopause/aging.

**UC approved; meets the 'd' requirement*

Science Department

#10680 - AP ENVIRONMENTAL SCIENCE (11th & 12th)

10 Credits | One Year

Recommended Prerequisites: Two years CP/Honors laboratory science: one year life science with lab, and one year physical science with lab; and B+ or higher in Biology (#10620), or B or higher in Biology Honors (#10621 or #10622)

The AP Environmental Science is a one-year course. It is designed, however, to be equivalent of a one-semester, introductory college course in environmental science. Unlike most other introductory-level college science courses, environmental science is offered from a wide variety of departments, including geology, biology, environmental studies, environmental science, chemistry, and geography. It is intended to enable students to undertake, as first-year college students, a more advanced study of topics in environmental science or, alternatively, to fulfill a basic requirement for a laboratory science and thus free time for taking other courses. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. There is an AP exam fee for this course.

**UC approved; meets the 'd' requirement*

10629 - MARINE BIOLOGY (10th, 11th & 12th)

5 Credits | Fall Semester

Prerequisites: B or higher in Biology (#10620, #10621, or #10622)

Marine biology is the study of marine organisms and their environment. The course begins with a comprehensive and in-depth look into marine ecosystems. Environmental factors, such as temperature, salinity, oxygen, minerals, ocean currents and depth will be discussed along with an introduction to measuring these variables. The study of marine ecosystems and environmental factors will lead to topics of conservation and the effect the earth's oceans have on the rest of the planet's ecology. The remainder of the semester is dedicated to marine organisms, where a broad spectrum of ocean life will be investigated, from single celled photosynthetic organisms to marine mammals, including whales and the myriad of invertebrates. Lab work will include collection, identification and study of marine organisms, and of preserved specimens. This course is designed for biology and non-biology majors. It is an exciting and relevant course for those interested in animal biology, veterinary fields, ecology, and marine biology.

**UC approved; meets the 'g' requirement*

#10623 – ZOOLOGY (10th, 11th & 12th)

5 Credits | Spring Semester

Prerequisites: B or higher Biology (#10620, #10621, or #10622)

The course first revisits the basic principles of biology including basic concepts of biology, the cell, and nutrition, a survey of physiological systems, reproduction, heredity, development, and diversity of organisms, evolution and environmental biology. After the foundations of biology are revisited,

refreshed, and enhanced, the major zoological principles involving both invertebrates and vertebrates will be explored. There will be special emphasis on animal development, form and function, natural history and economic relationship to human society. Zoology will introduce the student to biological research in preparation for college. This course is designed for biology majors. It is a great course for those interested in animal biology, veterinary fields, ecology, and marine biology.

**UC approved; meets the 'g' requirement*

Social Studies Department

#10320 - WORLD HISTORY, CULTURE, AND GEOGRAPHY (10th)

10 Credits | One Year

Studying past events sequentially from the 1700's to modern time's help students better understand how events in today's world are affected by what happened yesterday and that today's events will affect what happens in the future. The course is organized thematically as Religion, Social Studies, and English teachers coordinate to foster an interdisciplinary perspective on the humanities. Eras and topics covered are the Enlightenment, the French Revolution, the Industrial Revolution, the Rise of Imperialism, Causes and Consequences of World War I and II, and theories on Totalitarianism, Nazism, Fascism, and Nationalism in the contemporary world. Consideration of the reality that we are all brothers and sisters in a global village is foundational to this course.

**UC approved; meets the 'a' requirement*

#10333 - AP WORLD HISTORY (10th)

10 Credits | One Year

Recommended Prerequisites: B average or higher in English; recommendations from Biology and English teachers; and departmental approval

This is a college-level comprehensive study of World History with the dual goals of broadening students' knowledge of world history from approximately 1200 AD to the twentieth century and, at the same time, preparing students for success on the College Board's AP World History Exam.

The course of study centers around five themes: Social-Development and Transformation of Social Structures, Political-State Building, Expansion and Conflict, Human/Environmental Interaction, Cultural-Development and Interaction of Cultures, and Economic-Creation, Expansion and Interaction of Economic Systems. In addition, the curriculum includes the nineteen key concepts of historical study and analysis as contained in the College Board AP World History test battery as well the key components required to build the historical thinking skills required for college study in the social sciences. As with all Advanced Placement courses, students are expected to be extremely self-motivated as there is a great deal of independent reading involved. This course has a summer assignment. There is an AP exam fee for this course.

**UC approved; meets the 'a' requirement*

Social Studies Department

#10330 – U.S. HISTORY AND GEOGRAPHY (11th)

10 Credits | One Year

Continuity and change in the twenty-first century are emphasized in this course. Students will be shown that to deal effectively with the challenges of current conditions in the U.S. today, they must have an accurate understanding of the people, their ideas, the places and events which went into the formation of our country. The course is organized thematically. Eras and topics covered include the Progressive Era, the Jazz Age, the Great Depression, World War II and the Cold War. Integral to the course are the Civil Rights Movement and various studies of modern events that align to historical topics.

**UC approved; meets the 'a' requirement*

#10332 - AP UNITED STATES HISTORY (11th)

10 Credits | One Year

Recommended Prerequisites: B+ or higher in World History (#10320 or #10333); B or higher in English II (#10820 or #10822); and departmental approval

This is a college-level course of United States History and Geography. It is accepted by many colleges for course credit or advanced placement of those students who qualify on the CEEB Advanced Placement Examination given in May. The course emphasizes advanced study skills, reading historical works and writing analytically. Historical evidence is weighed; interpretations are made on historical findings, which lead to conclusions based on facts. As with all Advanced Placement courses, students are expected to be extremely self-motivated as there is a great deal of independent reading involved. This course has a summer assignment. There is an AP exam fee for this course.

**UC approved; meets the 'a' requirement*

#10340 - ECONOMICS (12th)

5 Credits | Spring Semester

Economics is the study of human choice, and therefore human behavior, in the face of ubiquitous scarcity. In this introductory one semester course, the core elements of both Microeconomics (the study of individual and group choices) and Macroeconomics (the study of the aggregate effects of choices) are imparted to students. Familiarity with the economic principles introduced in this class will allow each student to better understand the world around them, and will give each young person life-long tools which they will use to not only interpret the news, but also the activities of their government and private market actors all around them every day in an informed way.

**UC approved; meets the 'g' requirement*

Social Studies Department

#10342 - AP MACROECONOMICS (12th)

10 Credits | Year

AP Macroeconomics (12th)

10 Credits | Year

Recommended Prerequisites: B+ or higher in US History (#10330 or #10332); B or higher in English III (#10830 or #10832); and departmental approval.

AP Macroeconomics is a college-level course which is ultimately the study of the aggregate effects of human behavior – the behavior of peoples, groups, and nation-states everywhere both today and historically – on the world around us all. The core principles of Economics will provide a basis for an expanded understanding of such fundamental metrics as GDP, CPI, inflation and unemployment. And these will lead to a review of the predominant philosophical approaches to maintaining or enhancing aggregate demand and supply via fiscal and monetary policy. The core importance of our fractional reserve banking system will also be studied extensively. As with all Advanced Placement courses, students are expected to be extremely self-motivated as there is a great deal of independent reading involved. This course has a summer assignment. All students are required to sit for the AP Macroeconomics exam in May. There is an AP exam fee for this course.

**UC approved; meets the 'g' requirement*

#10350 - U.S. GOVERNMENT AND POLITICS (12th)

5 Credits | Fall Semester

In order to play a role in the political process of their nation, citizens of a democracy must have a thorough understanding of government and politics. This course seeks to give the students' knowledge of American government, its democratic foundation with its specific structures such as of separation of powers, federalism and the study of political institutions. Part of the course involves discussing current issues of interest and importance in American politics.

**UC approved; meets the 'a' requirement*

#10352 - AP GOVERNMENT AND POLITICS (12th)

10 Credits | Year

Recommended Prerequisites: B+ or higher in US History (#10330 or #10332); B or higher in English III (#10830 or #10832); and departmental approval.

AP U.S. Government & Politics is a year-long college-level course that studies the framing and content of the Constitution and other founding documents in great detail to facilitate a better understanding of the foundations of America's unique, and purposefully inefficient, governmental system. American political beliefs, behaviors, parties and other institutions, as well as a variety of public policies and civil rights issues will be studied in depth, but the class will focus fundamentally upon the system, and will look at modern policies through the prism of that system. Politics evolves; America's system is the constant.

Students will learn this material through reading, discussion, lecture, and various class activities. As with all Advanced Placement courses, students are expected to be extremely self-motivated' there is a great deal of assigned reading. This course has a summer assignment. All students are required to sit for the AP U.S. Government & Politics exam in May. There is an AP exam fee for this course.

**UC approved; meets the 'a' requirement*

Social Studies Department

#10360 - BASIC LAW (11th & 12th)

5 Credits | Fall Semester

Basic Law is a fall semester course that provides practical law education for upper division students. Law-Related Education (LRE) aids the students in understanding the U.S. Constitution, Rights and Responsibilities, along with an introduction to some state and criminal laws that affect them. It is hoped that students acquire the citizenship skills needed to participate in our society and learn that they can make a difference. A mock trial is part of the experience in which students will learn about rules of evidence as well as court room procedures.

**UC approved; meets the 'g' requirement*

#10365 - CRIMINAL JUSTICE IN AMERICA (11th & 12th)

5 Credits | Spring Semester

Do you think the legal system in the United States is perfect? No? Well, come and discover the inner workings of the American legal system. The issues we will explore include the definition of crime, juvenile justice and teens that commit crimes, the police & perception of law enforcement, and Corrections. There will also be a special component of the class where students will learn about the criminal case, the trial process, objections, and Mock Trials. Students will be lawyers and witnesses in these Mock Trials. This class is a great way to learn about your rights before and after you are 18 years old. Criminal Justice is a spring semester course that typically follows Basic Law, but that fall elective is not a pre-requisite for Criminal Justice.

**UC approved; meets the 'g' requirement*

#10392 - AP PSYCHOLOGY

10 Credits | One Year

Recommended Prerequisites: B or higher in Biology (#10620, #10621, #10622, or #10650)

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. As with all Advanced Placement courses, students are expected to be extremely self-motivated as there is a great deal of independent reading involved. There is an AP exam fee for this course.

**UC approved; meets the 'g' requirement*

Performing Arts Department

Music

#10760 - CHORUS I: PIONEER CHORUS - BEGINNING CHOIR

10 Credits | One Year

Pioneer Chorus (Chorus 1) is a beginning ensemble that is available to all students at Providence High School. Students will learn introductory concepts of healthy vocal technique, fundamentals of music theory, history, sight singing, and the rehearsal of music. The choral ensemble will perform beginning to intermediate levels of choral literature chosen from various eras of musical history. Most importantly, students will develop self-discipline and learn to work cooperatively. Students will prepare and perform a variety of musical styles from a variety of cultures throughout the year along with preparing popular music selection that incorporate choreography.

A performance attire rental fee will be required. A field trip may be required of each student in this course. Destination determines cost. The field trip cost will be limited by administrative approval for each event.

**UC approved; meets the 'f' requirement*

#10770 - CHORUS II: PIONEER CHORUS – BEGINNING/INTERMEDIATE CHOIR

10 Credits | One Year

Pioneer Chorus (Chorus 2) is an ensemble that is available to all students at Providence High School. Students will use previous musical knowledge and expand on the use of healthy vocal technique, music theory, history, sight singing, and the rehearsal of music. The choral ensemble will perform beginning to intermediate levels of choral literature chosen from various eras of musical history. Most importantly, students will develop self-discipline and learn to work cooperatively. Students will prepare and perform a variety of musical styles from a variety of cultures throughout the year along with preparing popular music selection that incorporate choreography.

A performance attire rental fee will be required. A field trip may be required of each student in this course. Destination determines cost. The field trip cost will be limited by administrative approval for each event.

**UC approved; meets the 'f' requirement*

Performing Arts Department

Music

#10765 - CHORUS 3: PROVIDENCE SINGERS – INTERMEDIATE/ADVANCED CHOIR

10 Credits | One Year

Prerequisites: Chorus I (#10760); or Choir Director approval

Providence Singers (Choir 3) is our advanced choral ensemble. Students will be expected to have prior knowledge of musical terminology and the use of basic musical fundamentals. This course will scaffold on previous experience. Students will be given opportunities to read and notate music, analyze and describe music elements, and identify and explain compositional devices and daily participation of singing in this advanced ensemble. Students will gain more responsibility and be asked to perform more competitively and represent Providence High School in the Performing Arts community. This course is available to all students at Providence High School that meet the pre-requisite. Students will continue to focus on healthy vocal technique, fundamentals of music theory, history, sight singing, and the rehearsal of music. Using composition and analysis, we will cover notation, intervals, chords, inversions, voice leading, and harmonic progressions. The Choral ensemble will perform advanced level literature chosen from various eras of musical history along with preparing popular music selection that incorporate choreography.

A performance attire rental fee will be required. A field trip may be required of each student in this course. Destination determines cost. The field trip cost will be limited by administrative approval for each event.

**UC approved; meets the 'f' requirement*

#10704 – CHOIR 4: PROVIDENCE SINGERS – ADVANCED CHOIR

10 Credits | One Year

Prerequisites: Chorus I (#10760); or Choir Director approval

Providence Singers (Choir 4) is our advanced choral ensemble. It is an auditioned ensemble. The yearlong course studies and explores choral expression, harmony and performance experiences at an advanced level. The development of individual vocal qualities is stressed. The roots and significance of various musical/vocal styles and techniques in relation to culture will also be explored. This course studies choral expression, harmony, and performance experiences at a professional level. Students will gain more responsibility and be asked to perform more competitively and represent Providence High School in the Performing Arts community. This course is available to all students at Providence High School that meet the pre-requisite of Choir 2 and or Choir 3. The Choral ensemble will perform advanced level literature chosen from various eras of musical history along with preparing popular music selection that incorporate choreography. A performance attire rental fee will be required.

A field trip may be required of each student in this course. Destination determines cost. The field trip cost will be limited by administrative approval for each event.

**UC approved; meets the 'f' requirement*

Performing Arts Department

Music

#X1055 – SOPRANO/ALTO CHOIR ENSEMBLE - 'HIGH TIDE'

2.5 Credits | One Year (Zero Period before the start of the regular school day)

This ensemble choir is open to all students at Providence. No audition necessary. All are welcome to join with director approval. The ensemble is mixed by age and experience and performs at an intermediate/advanced level. High Tide competitive choir that represents Providence High School in the Performing Arts community. The choir will perform advanced level literature chosen from various eras of musical history along with preparing popular music selection that incorporate choreography. Ensemble members are expected to be active and present at all scheduled rehearsals.

A field trip may be required of each student in this course. Destination determines cost. The field trip cost will be limited by administrative approval for each event.

**non-academic course, UC approval pending*

#X1068 – TENOR/BASS CHOIR ENSEMBLE - 'HOME BASS'

2.5 Credits | One Year (Zero Period before the start of the regular school day)

This ensemble choir is open to all students at Providence. No audition necessary. All are welcome to join with director approval. The ensemble is mixed by age and level of experience. This ensemble performs intermediate/advanced repertoire. Home Bass is also a competitive choir that represents Providence High School in the Performing Arts community. Ensemble members are expected to be active and present at all scheduled rehearsals.

A field trip may be required of each student in this course. Destination determines cost. The field trip cost will be limited by administrative approval for each event.

**non-academic course, UC approval pending*

10792 – INSTRUMENTAL MUSIC

10 Credits | One Year

The instrumental music class is devoted to the rehearsal and performance of musical repertoire and the growth of each student's music fundamentals, improvisation, and composition. Music from a variety of eras and genres will be analyzed and interpreted. All instruments are welcome to this ensemble. Student's will perform at least twice a year in the annual Christmas and Spring concerts. This class will also provide music for school events including Mass, PHS Jams, athletic games, and admission events.

Open to all students. Some instrumental experience preferred.

**UC approved; meets the 'f' requirement*

Performing Arts Department

Drama/Theater

#10794 – DRAMA/THEATRE

10 Credits | One Year

Drama I is an engaging and dynamic introduction to the art of acting. In this collaborative workshop atmosphere, students will be encouraged to develop a greater sense of physical, vocal, and emotional awareness unearthing the tools necessary for character creation and performance. Students will learn the basic rules of improvisation and gain the ability to truthfully remain within the confines of an imaginary setting. They will also be introduced to concepts and terms such as given circumstances, intention, tactic, and obstacle and will apply this knowledge in the creation of original characters and story lines through improvisation, which will then be evaluated. Students will delve into storytelling, physical play and Commedia technique and will bring to life fairy tales, nursery rhymes, and basic plot narratives and, in groups, create original scenes and/or monologues, as well as produced theatrical, television and film scripts.

As the course progresses, students will examine different acting approaches, evaluate an outside performance that they will attend and audition for and participate in the production and presentation of either the fall drama/comedy or the spring musical. This class demands some outside commitment.

**UC approved; meets the 'f' requirement*

#10791 – CLASSICAL ACTING

10 Credits | One Year (Zero Period meets *before* the start of the regular school day)

As a continuation of Drama I, this advanced course focuses on the deeper understanding of character and story structure as defined by the playwright. With an ongoing emphasis placed on teambuilding and awareness, including physical and vocal technique, students will apply terms and concepts learned in year one to the process of 'breaking down' a script and the development of a fully arched character. This course requires that each student write and perform an original monologue based on their own given circumstances as well as prepare two scenes with partners from both modern and classic literature. Students will also be required to attend four professional plays (selected under the supervision of the instructor) and write about their experiences.

This class demands a great deal of outside commitment. Students will be required to audition for and participate in the fall drama/comedy as well as the spring musical and engage in all elements of theatre production including technical design, marketing and event planning.

**UC approved; meets the "f" requirement*

Performing Arts Department

#10788 – DANCE I – MOVEMENT EXPLORATION (all levels)

10 Credits | One Year

Over the course of the year, students will learn the foundational techniques of multiple dance styles: ballet, jazz, modern, contemporary and hip hop, with an emphasis on correct body alignment, improving flexibility, strength and conditioning, as well as expression and developing their own artistry. In addition, there will be a focus on creating your own work and choreography.

*This class is a VPA credit that can serve to fulfill the 20-credit PE requirement as well, culminating in at least one performance opportunity, with the possibility for more. No prior dance training necessary. Dance & Movement Exploration will be offered during Block 1 and/or 2.

**UC approved; meets the “f” requirement*

Visual Arts Department

#10710 - ART I

10 Credits | One Year

Art 1 is an introduction to different types of art and a variety of media. This class is an introduction to drawing, shading and painting techniques as well as sculpture and design. Some key projects include calligraphy, papier-mâché, and painting. A selected technique from the above will be used for the final project. This project is in place of a final exam. This course meets the VPA graduation requirement.

**UC approved; meets the 'f' requirement*

#10115 – GRAPHIC DESIGN

10 Credits | One year

Graphic Design is a year-long course for students who are interested in graphic concepts and projects. Students will learn graphic design skills and theory while creating projects integrating computer illustration, photography, printmaking, and web design. Students will use programs such as Illustrator, InDesign, Photoshop, and Premiere to create computer generated drawings, fliers, posters, advertisements, and videos. Students will create real world design projects.

**UC approved; meets the 'f' requirement*

****This class may be offered as a self-paced online course, depending on interest and enrollment.**

#10825 - ANIMATION

10 Credits | One Year

Animation is a year-long course for students who are interested in creating art in motion, creating animated characters and the history of Animation. Students will be introduced to traditional animation, stop motion, computer animation, cutout animation and Claymation. Students will learn and use programs such as Dragonframe, Animate, Premiere and After Effects to create a variety of animated shorts.

**UC approved; meets the 'f' requirement*

****This class may be offered as a self-paced online course, depending on interest and enrollment.**

Visual Arts Department

#10730 - CERAMICS I

5 Credits | One Semester

This course explores the Principles of Art and Design through three-dimensional design in clay molding and sculpture with the use of hand-building techniques and general 3D design concepts. Students will be exposed to ceramic terms while learning the different techniques such as pinch pot, coils, slab, ball construction, wheel thrown objects, and hollowed out and slump molds. Students will create a piece which shows learned techniques for their final project.

Must be taken in sequence with Ceramics II (#10732) in order to meet UC 'a-g' admission guidelines.

**UC approval meets; the 'f' requirement*

#10732 - CERAMICS II

5 Credits | One Semester

Prerequisites: Ceramics I (#10730)

This course explores advanced three-dimensional designs in clay molding and sculpture. It further develops the hand building and glazing techniques introduced in Ceramics I as well as creating advanced wheel-thrown objects. Students make work with Paper Mache and other sculpture materials to design and construct free-standing sculptures to produce ceramic works. Students will choose a technique as a focus for their final project.

Must be taken in sequence with Ceramics I (#10730) in order to meet UC 'a-g' admission guidelines.

**UC approval meets; the 'f' requirement*

#10740 – PHOTOGRAPHY I (10th, 11th, 12th)

5 Credits | One Semester

This course is an introduction to digital photography. Students will study the functions of a camera as well as the art of composition and using photography as art. This course will also cover an introduction to Photoshop, bridge and how to process pictures to receive the desired effects. It is strongly suggested, however not required that students have a digital camera for this course. Student cameras will be available for student use during class time.

Must be taken in sequence with Photography II (#10742) in order to meet UC 'a-g' admission guidelines.

**UC approved; meets the 'f' requirement*

Visual Arts Department

#10742 - PHOTOGRAPHY II (10th, 11th, 12th)

5 Credits | One Semester

Prerequisites: Photography I (#10740)

Photography II is an advanced photography course. This course will provide students with opportunities to extend and advance their knowledge and skills in the field of photography. This course will familiarize the student with advanced photographic materials, methods and processes. Focus is on advanced techniques in composition, compositing and lighting.

Must be taken in sequence with Photography I (#10740) in order to meet UC 'a-g' admission guidelines.

**UC approved; meets the 'f' requirement*

#10743 - ADVANCED PHOTOGRAPHY AND INTRODUCTION TO CINEMATOGRAPHY (PHOTO 3)

5 Credits | One Semester

Prerequisites: Photography II (#10742); **OR** Completion of 2 years in Cinema Arts Focus Program **and** prior completion of PHS VPA Graduation Requirements

This course is an advanced exploration of photography with a strong emphasis on composition and advanced techniques in lighting and digital manipulation. Students will continue to explore the art of photography and composition as it applies to moving images with the introduction of cinematography to the course. Students need a camera for this course, preferably a digital SLR camera.

**UC approved; meets the 'f' requirement*

#10744 - ADVANCED PHOTOGRAPHY AND INTRODUCTION TO CINEMATOGRAPHY (PHOTO 4)

5 Credits | One Semester

Prerequisites: Photography 3 (#10743) **and** prior completion of PHS VPA Graduation Requirements

This course is an advanced exploration of photography with a strong emphasis on composition and advanced techniques in lighting and digital manipulation. Students will continue to explore the art of photography and composition as it applies to moving images with the introduction of cinematography to the course. Students need a camera for this course, preferably a digital SLR camera.

**UC approved; meets the 'f' requirement*

Visual Arts Department

#10720 - ADVANCED ART: ADVANCED DRAWING, PAINTING, SCULPTURE AND DESIGN

10 Credits | One Year

Prerequisites: Art I (#10710); **OR** Graphic Design (#10115); **OR** Animation (#10825)

The class is intended for students to further develop It is intended to provide students with the opportunity to explore and enhance their own style and unique vision as artists. Based on student individual strengths, artistic styles and interests, this course will offer the chance to explore a wider variety of mediums such as graphite, charcoal, ink, sculptural materials, mixed media, gauche, and computer-generated artwork. Advanced techniques in 3D design and sculpture will be investigated, according to student interest. Contemporary artists and their works will be studied as inspiration for student work. Students will learn mat-cutting and presentation for display in various art shows and exhibits.

**UC approved; meets the 'f' requirement*

#10754 - AP ART & DESIGN (11th & 12th)

10 Credits | One Year

Prerequisite: Portfolio approval; Prior completion of PHS VPA graduation requirement in a Visual Art.

This is a class designed for advanced art students, who are seriously interested in the practical experience of art. Throughout the class students will need to demonstrate a synthesis of materials, processes and ideas. AP Art and Design students submit portfolios for evaluation at the end of the school year to the College Board and the Advanced Placement Program instead of completing an AP exam. Portfolios consist of 5 selected works and 15 images for the Sustained Investigation portion. Students choose one of three areas to submit their portfolio:

- 2D Art and Design- students focus on design and layout elements. This portfolio can include, but are not limited to drawings, painting, photography and digital art
- 3D Art and Design- students focus is on a three-dimensional space where sculpture includes a variety of materials.
- Drawing- focus on mark making – students can include painting and even digital work that emphasizes mark making and skillful technique

This course has a summer work packet or summer assignment. There is an AP exam fee for this course.

**UC approved; meets the 'f' requirement*

Visual Arts Department

#10753 - AP ART HISTORY (10TH, 11TH & 12TH)

10 Credits | One Year

Recommended Prerequisites: B or higher in World History (#10320 or #10333); **OR** B or higher in US History (#10330 or #10332)

AP Art History involves critical thinking and developing an understanding and knowledge of diverse historical and cultural contexts of architecture, sculpture, painting and other media. In this course, students examine and critically analyze major forms of artistic expression from the past and the present from a variety of cultures. While visual analysis is a fundamental tool of the art historian, art history emphasizes understanding how and why works of art function in context, considering such issues as patronage, gender, and the functions and effects of works of art. Students will visit museums to explore and analyze works of art in person and as a group. There is an AP exam fee for this course.

**UC approved; meets the 'f' requirement*

World Languages Department

#10410 - FRENCH I

10 Credits | One Year

A four-skills (listening, speaking, reading and writing) course designed to develop students' proficiency in French vocabulary and grammar with a special focus on communication and self-expression. These objectives are achieved through oral activities, text and workbook activities, on-line activities and an audio/video program which accompanies the text. The course includes an introduction to French culture and civilization.

**UC approved; meets the 'e' requirement*

#10420 - FRENCH II

10 Credits | One Year

Prerequisites: French I (#10410)

A four-skills (listening, speaking, reading and writing) course designed to further develop students' proficiency in French vocabulary and grammar for the purpose of encouraging students to use French for communication and self-expression. These objectives are achieved through oral, text and workbook activities and an interactive on-line program that accompanies the text. The language is presented within the context of the contemporary French-speaking world and its culture.

**UC approved; meets the 'e' requirement*

#10435 - FRENCH III

10 Credits | One Year

Prerequisites: B- or higher in French II (#10425) and departmental approval

An intermediate four-skills (listening, speaking, reading and writing) course designed to polish the students' proficiency in French. Advanced grammar structures are presented, and communication is emphasized through the interpretive, interpersonal, and presentational modes of language learning. These objectives are achieved through oral, text and workbook activities and an interactive on-line program that accompanies the text. The language is presented within the context of French literature, history and contemporary topics.

**UC approved; meets the 'e' requirement*

World Languages Department

#10430 - FRENCH III HONORS

10 Credits | One Year

Prerequisites: B- or higher in French II Honors (#10410) or departmental approval

An intermediate four-skills (listening, speaking, reading and writing) course designed to polish the students' proficiency in French. French III Honors is designed for students with high level skills in vocabulary and grammar. Advanced grammar structures are presented, and communication is emphasized through the interpretive, interpersonal, and presentational modes of language learning. French III Honors requires more oral and written work, is broader in scope and moves at a faster pace than French III. The language is presented within the context of French literature, history and contemporary topics. This course also prepares the student for the skills needed for French IV Honors in the areas of vocabulary, verbs, grammar, and composition.

**UC approved; meets the 'e' requirement*

#10440 - FRENCH IV HONORS

10 Credits | One Year

Prerequisites: B- or higher in French III Honors (#10430) or departmental approval

An advanced four-skills (listening, speaking, reading and writing) a course designed to further polish the students' proficiency in French. French IV Honors is designed for students with high level skills in speaking and writing. Advanced grammar structures are presented, and communication is emphasized through the interpretive, interpersonal and presentational modes of language learning. French IV Honors requires more oral and written work, is broader in scope and moves at a faster pace than French IV. The language is presented within the context of French literature, history and contemporary topics.

**UC approved; meets the 'e' requirement*

World Languages Department

#10450 - SPANISH I

10 Credits | One Year

A four-skill course (listening, speaking, reading and writing) designed to develop students' Spanish proficiency. Emphasis is on vocabulary building through authentic texts, communicative activities and through interactive on-line assignments. The course objectives are met through various means that emphasize language acquisition. Students are introduced to the diverse cultures of the Spanish-speaking world.

**UC approved; meets the 'e' requirement*

#10460 - SPANISH II

10 Credits | One Year

Prerequisites: Spanish I (#10540)

This course is a continuation of Spanish I, including the development of all language skills, with heavy emphasis on grammatical structures designed to develop students' Spanish proficiency. The course objectives are met through authentic advance reading, writing and listening activities. Students are given the opportunity to practice speaking in the target language and gain cultural awareness through to the study of the Spanish-speaking world.

**UC approved; meets the 'e' requirement*

#10462 - SPANISH II HONORS

10 Credits | One Year

Prerequisites: A- or higher in Spanish I (#10450); current instructor recommendation; and departmental approval

This course is a continuation of Spanish I, including the development of all language skills, with heavy emphasis on grammatical structures designed to develop students' Spanish proficiency. The course objectives are met through authentic advance reading, writing and listening activities. Students are given the opportunity to practice speaking in the target language and gain cultural awareness through to the study of the Spanish-speaking world.

Students in Spanish II Honors follow the course of study described for Spanish II with additional emphasis on communication. Students also read two short novels during the academic year. As an Honors course, this class moves at a faster pace and assumes students' self-motivation to learn Spanish language and culture. This course requires summer work.

**UC approved; meets the 'e' requirement*

World Languages Department

#10470 - SPANISH III

10 Credits | One Year

Prerequisites: B- or higher in Spanish II (#10460); current instructor recommendation

Spanish III continues examining grammar structures, with a heavy emphasis on culture. Students get the opportunity to master concepts learned from Spanish I and Spanish II. The course objectives are met through authentic advance reading, writing and listening activities. There is more focus on Latin American art, music, legends, history, technology and environmental challenges in the Americas.

**UC approved; meets the 'e' requirement*

#10472 - SPANISH III HONORS

10 Credits | One Year

Prerequisites: B+ or higher in Spanish II Honors (#10462); A- or higher in Spanish II (#10460); current instructor recommendation

An intermediate four-skill course designed to polish the students' proficiency in Spanish. Honors Spanish III is designed for students with high-level skills in vocabulary and grammar. Advanced grammar structures are presented, and a special focus is given to the strengthening of conversational ability. The course prepares the students for the skills needed in AP Spanish IV in the areas of vocabulary, verbs, grammar and compositions. This course requires summer work.

**UC approved; meets the 'e' requirement*

#10481 – SPANISH IV

10 Credits | One Year

Prerequisites: B or higher in Spanish III (#10470); current instructor recommendation, and departmental approval

Spanish IV aims at developing and improving student's oral and written communication through the continued study of the language and culture of Spain, Latin America and Hispanic communities in the United States. It also seeks to improve students' ability to read and appreciate literary and non-literary texts in Spanish, deepening this way students' awareness and understanding of the cultural diversity of the Spanish-speaking world. The course is organized by themes based on contemporary social, political and cultural issues of Spanish-speaking societies. This course will meet the needs of highly motivated students who have a strong interest and ability in the Spanish language.

**UC approval: meets the 'e' requirement*

World Languages Department

#10480 - AP SPANISH LANGUAGE & CULTURE

10 Credits | One Year

Recommended Prerequisites: B+ or higher in Spanish III Honors (#10472), or A- or higher in Spanish III (#10460); current instructor recommendation

This course is equivalent to a third-year college level course designed for students who already have strong skills in reading, writing, speaking and listening and are interested in developing a more in depth understanding of the Spanish language. Instructional materials, activities, assignments, and assessments are appropriate to this level. This course is conducted entirely in Spanish; the main objective is for students to develop proficiency in integrating languages skills and synthesizing written and audio material, the formal writing process, extensive interpersonal and presentational speaking and writing practice, and oral comprehension skills. Course content is aligned to the College Board AP Spanish Language Course Description.

This course requires a summer work packet or summer assignment. There is an AP exam fee for this course.

**UC approved; meets the 'e' requirement*

#10495 - LATIN II

10 Credits | One Year

Prerequisites: Latin I (#10490) **Please note that Latin I is no longer offered; Latin is being phased out.*

This course continues the study of grammar and syntax with the goal of reading original Latin literature and improving Latin composition. Cultural studies continue, with an emphasis on comparing ideas from the ancient world with the modern.

**UC approved; meets the 'e' requirement*

World Languages Department

#10496 - LATIN III

10 Credits | One Year

Prerequisites: Successful completion of Latin II (#10495)

This course is a continuation of the study of Latin grammar and vocabulary. In Latin III, the students will study Virgil's Aeneid in the original Latin and its metrical elements, as well as the historical aspects. In addition, students will read Virgil's Aeneid, Julius Caesar's Gallic Wars, and the New Testament. Students will gain significant expertise in the study of literature, both prose and poetry, and will strengthen their ability to write about and critique all types of literature.

**UC approved: meeting 'e' requirement*

#10497 – LATIN III HONORS

10 Credits | One Year

Prerequisites: B+ or higher in Latin II (#10490); current instructor recommendation, and departmental approval.

Latin III Honors is an advanced course designed to give students the tools to read both Latin poetry and prose and understand classical and Medieval Western culture. The first Semester consists of the study of advanced Latin grammar and syntax such as the subjunctive and subordinate clauses. Students will then be reading prose and poetry from classical as well as Medieval authors including Cicero, Aulus Gellius, Pliny, the Vulgate, Jacobo da Voragine, Catullus, and Vergil. Furthermore, Latin III H students will be expected to do weekly prose composition assignments. A grade of B+ or higher is required for admission to Latin III Honors.

NOTE: Incoming freshmen who have been studying a language *that we do not offer* at Providence may qualify for approval to continue their studies in that language to fulfill PHS graduation requirements under the following conditions:

- the institution must be accredited through a nationally recognized organization
- the course(s) must be UC-approved as the appropriate LOTE level(s)
- the family must take on the additional cost of the course; there is no tuition reduction from Providence

Cinema Arts Focus Program

The Cinema Arts Focus Program is a unique four-year experience for highly motivated, media-driven students. Our Cinema Arts pioneers enjoy working with professionals in the entertainment industry in a state-of-the-art studio space equipped with professional-grade editing bays. The curriculum is geared towards preparing students for admission into highly selective film schools around the country. Students in the program are not required to apply to film schools and many remain in the program even though they do not intend on continuing film studies in higher education because of the tight-knit bonds and creative outlet the program engenders.

- 20-30 students are typically selected at the freshman level.
- Transfer applicants are considered on a case-by-case basis.
- The Focus Program has an annual enrollment fee

Criteria for entrance into the Cinema Arts Focus Program:

- In addition to a general admissions interview, all applicants must take part in an additional interview with a Cinema Arts Focus Program administrator.
- Submit a personal statement satisfying requirements listed on the application
- Record of high academic performance in 6th, 7th, and 8th grades
- Enthusiasm, motivation, and commitment
- Eagerness to participate in all activities/projects, including any related after school events

Criteria for continuing in the Cinema Arts Program:

- Continued high level of interest
- Cumulative GPA of 2.5 or higher
- Class participation and GPA of 3.0 or higher in all program classes
- Engagement with learning opportunities and after school events
- Approval of Program Director and Administration

Cinema Arts Focus Program Course Offerings

#10814 – MEDIA & HISTORY OF MEDIA: *Introduction to Cinema Arts* (MEDIA I – 9th)

10 Credits | One Year

This course explores cinema through its historical and aesthetic contexts. Through practical filmmaking assignments and film studies, students foster a deeper understanding of cinema arts. From making individually directed one-minute films, to larger scale group productions and live studio broadcasts, students explore a broad scope of media production. In addition, this course examines the exciting history of the media, its changing role in society, and the different ways in which vital information is transmitted to the public. Students are actively engaged in critical thinking through immersive filmmaking and media analysis. Also known as Media I: Introduction to Media.

**UC approved; meets the 'g' requirement*

#10828 – MOVING IMAGE ART & PRODUCTION (MOVING IMAGE - 10th)

10 Credits | One Year

The students will learn the basic principles of animation from concept through production. Through immersive filmmaking, students will practice the fundamental skills used in storyboarding, designing a character, backgrounds and animating various drawings. Emphasis is placed on developing visual storytelling and technical production skills. Students will develop confidence in their work as they learn the skills to produce high-quality animation and live-action projects.

**UC approved; meets 'f' requirement*

#10849 – MEDIA ETHICS: FRAMEWORK, APPLICATION & FILMS (11th)

5 Credits | Fall Semester

In this course we turn our attention to more advanced production through non-fictional filmmaking. We will explore short projects through documentaries, music videos, a live broadcast program and short films. Students use filmmaking as a tool to investigate modern life in American culture and explore different philosophical frameworks for ethical analysis. Students will examine how different elements of various films may generate the audience's emotional response and create social change.

**UC approved: meets the 'g' requirement*

#10834 - VIDEO PRODUCTION: *Advanced Video Production - Film Analysis PART I* (11th)

5 Credits | Spring Semester

This one semester class allows students to experience, firsthand, what it is like to collaborate on a video project. Teams are given three project assignments during the semester with specific deadlines to meet. Projects vary from year to year but will involve fundamental principles of video production, including basic shots, Lighting, Microphone and Audio Recording techniques, Scriptwriting, and Technical Editing. This is a production-based class where the students will develop and employ the necessary skills that simulate the demands of the media industry.

**UC approved; meets the 'f' requirement*

#10850 - WRITING FOR MEDIA HONORS: *Introduction to Writing and Directing for TV and Film* (12th)

5 Credits | Fall Semester

This is a media driven course, culminating in student's advanced practice in creative writing and production skills. A variety of genres will be explored through the production of personal-driven short films, drama, and comedy. Film and television professionals are invited into the classroom for special presentations throughout the semester.

**UC approved; meets the 'g' requirement*

#10854 - VIDEO PRODUCTION II: *Advanced Writing and Directing for TV and Film* (12th)

5 Credits | Spring Semester

This is a production-orientated course that emphasizes the skills learned in INTRO TO WRITING AND DIRECTING FOR TELEVISION AND SCREEN. This class further explores contemporary and creative ways to complete media projects and short films. Students will continue to practice advanced editing using our Adobe Premiere systems. As part of the curriculum, student teams will produce a short film, an original commercial as well as a music video.

**UC approved; meets the 'f' requirement*

Cinema Arts Focus Program Scope and Course Sequence

Grade Level	Required Cinema Arts Courses	
9 th Grade Requirements	Introduction to Cinema Arts: Media & the History of Media (Media I - #10814)	
10 th Grade Requirements	Moving Image Art & Production (Moving Image - #10828)	
11 th Grade Requirements	Media Ethics: Framework, Application & Films (#10849 - Fall)	Advanced Video Production I & Film Analysis (#10834 - Spring)
12 th Grade Requirements	Intro. to Writing & Directing for TV & Film Writing for Media, Honors (#10850 – Fall)	Adv. Writing & Directing Video Production II (#10854 - Spring)

Medical Focus Program

As the name indicates, the Med Focus Program is about supporting students in their journey to realize their dreams and goals related to the field of health care. The mission of the Sisters of Providence is “to proclaim Providence as the loving presence of God, active in us and through us, watchful over the created universe, and attentive to the needs of all.” Providence High School’s Medical Focus Program supports the mission and values established by the Sisters of Providence and Providence Health. The program is the result of a close partnership between Providence High School and Providence Health System. The focus program is also supported by the following health care facilities besides neighboring Providence St. Joseph Medical Center: Providence Holy Cross Medical Center and Providence Tarzana, Providence St. Johns in Santa Monica, Providence Little Company of Mary in the South Bay, Glendale Memorial Hospital, Glendale Adventist Medical Center, Kaiser Permanente, Southern California University of Health Sciences in Whittier, Huntington Memorial Hospital, City of Hope Cancer and Research Hospital, and Cedars-Sinai Medical Center. Providence Health also has a University of Providence in Great Falls, Montana, which has a School of Health Professions, a great pipeline to a successful and fulfilling career in health care.

The Program follows the Scope and Sequence of the school’s College Preparatory Science Curriculum with Honors-level work. Building a solid work ethic with enthusiasm, exploration, curiosity, engagement, cooperation, collaboration, and critical thinking are essential to preparing the student for a path to a possible career in the field of health care. Adding the skills and knowledge gained from internship prepares the student for a well-rounded four-year experience in the world of science, medicine, and health care. Please note the following:

- Approximately 30 students are selected at the freshman level.
- Transfer applicants are considered on a case-by-case basis
- The Focus Program has an annual enrollment fee

Criteria for acceptance into the Medical Focus Program:

- In addition to a general admissions interview, all applicants must take part in an additional interview with a Medical Focus Program administrator.
- Submit a personal statement satisfying requirements listed on the application
- Record of high academic performance in 6th, 7th, and 8th grades
- Enthusiasm, motivation, and commitment
- Eagerness to participate in all activities/projects, including service hours and volunteering at different agencies

Criteria for continuation in Medical Focus Program:

- Continued high level of personal interest and engagement in core content and extension opportunities through guest speakers, hospital tours, field trips, and volunteering.
- Adherence to program guidelines and high quality of volunteer work at assigned healthcare facilities while completing junior and senior year internship hours.
- Cumulative GPA of 3.0 or higher
- Approval of Program Director and Upper Administration

Medical Focus Program Course Requirements

#10614 - HEALTH, DISEASE & HEALTH CARE (HEALTH CARE - 9th)

MED FOCUS, YEAR 1

10 Credits | One Year

INTRODUCTION TO HEALTH CARE: LEGAL, ETHICAL, & PROFESSIONAL EXPECTATIONS (Fall)

The impact of Hippocrates as the “Father of Medicine” and how ancient cultures shaped twentieth and twenty first century medicine. What does the future of our society with reference to health care and medicine look like? This course includes early milestones and subsequent development of modern medicine and technology. How has health care become such a major component of our society? How will health care reform shape the future of our country? The emphasis on a clinician’s good bedside manners when interacting with a patient or coworker, and the right thing to do, legally and ethically, in health care, is woven into the school’s the system’s core values. Health care also has social, moral, and ethical pieces, making it an art as well as a science - an incredibly unique career. One of the major highlights of this program is multiple tours to Providence St. Joseph Medical Center to observe personnel and supervisors in different fields of health care. Throughout first-year and sophomore years, the class visits Providence Saint Joseph Medical Center’s departments to observe and learn from working professionals. Students also have a unique opportunity to listen to guest speakers invited to the campus to talk about the various fields of health care and relevant skills.

INTRODUCTION TO HEALTH CARE: BODY SYSTEMS & HEALTH CARE (Spring)

Knowing about the functions of different body systems gives students a better understanding of the decision-making processes related to health and wellness. Instruction includes learning basic first aid, vital signs, and biometrics, nutrition and study of infectious diseases and prevention, learning use of a stethoscope and sphygmomanometer as well as other procedures such as surgical suturing, and management of medical emergencies like heart attack, shock, burns, choking, drowning, and stroke. Students also have a hands-on learning experience with the use of manikins to administer CPR (Cardiopulmonary Resuscitation) and choking.

Based on age requirements and eligibility, students can start seeking opportunities to shadow health care professionals or elect a mentor to guide them on the path of exploring careers in health care.

**UC approved; meets the ‘g’ requirement*

#10621 - BIOLOGY HONORS HC1 (9th)

MEDICAL FOCUS, YEAR 1

10 Credits | One Year

For prerequisites and course description, please refer to the Science Department course description for Honors Biology (#10622).

**UC approved; meets the ‘d’ requirement*

Providence High School Focus Programs

#10638 - CHEMISTRY HONORS HC2 (10th)

MEDICAL FOCUS, YEAR 2

10 Credits | One Year

For prerequisites and course description, please refer to the Science Department course description for Honors Chemistry (#10632). The curriculum differs slightly for the separate Medical Focus cohort in that the case studies they use for class readings and discussions are specific to the field of health care.

Students tour Providence Saint Joseph Medical Center throughout the school year & engage with special guest speakers who are actively involved in the field of Health Care. Medical Program Director approval required for continuation.

**UC approved; meets the 'd' requirement*

#10672 - GENETICS & BIOTECHNOLOGY (12th)

MEDICAL FOCUS, YEAR 4

5 Credits | Fall Semester

Prerequisites: B or higher in Biology (#10620, #10621, #10622, or #10650); and B or higher in Chemistry (#10630, #10632, #10638, or #10633)

This course traces the history of genetics and its major concepts from Mendel to gene technology. Patterns of inheritance are studied using Mendel's model of trait inheritance from alleles in gametes to offspring. The course helps students understand the central dogma of genetics. The study of molecular, cellular and genetic principles is essential to understanding the growth and development of plants and animals. The recent explosion of gene technology and effects on the quality of life leads to an exploration of a variety of issues at all levels—political, medical, social, and ethical.

**UC approved; meets the 'g' requirement*

#10634 - BIOMEDICAL SCIENCE & ETHICS (12th)

MEDICAL FOCUS, YEAR 4

5 Credits | Spring Semester

Ethics in health care has surfaced as the single most relevant topic involving the wellbeing of individuals and about decisions that we make as a society and culture to maintain an elevated level of human dignity and quality of life. An introduction to the moral concepts and value of health care with a Catholic perspective, the course deals with questions, cases and exercises which are suitable for medical, nursing as well as all students and commentators on health care. Moral dilemmas include consent, confidentiality, the giving or withholding of information, and the economics of health care. The issues of artificial reproduction, end-of-life care, and research/testing of drugs are also addressed, along with global health, diseases and epidemics, immunization practices, advances in stem cell and gene technology.

**UC approved; meets the 'g' requirement*

SENIORS IN THE MEDICAL FOCUS PROGRAM MUST SELECT AN APPROVED THIRD YEAR OF SCIENCE

(Refer to Medical Focus Program Course Sequence. See the chart on p. 73)

Medical Focus Program Internship Information and Requirements

HOSPITAL INTERNSHIP & PROJECTS - 11th

One Year

Juniors in the Medical Focus Program are responsible for setting up their own participation in departmental and clinical internships at Providence Saint Joseph Medical Center or other Medical Focus pre-approved health care facilities. Rotations will consist primarily of observation time with limited hands-on training.

A minimum requirement of 12 hours per month for the months of August through May, with 2 rotations in a year (Aug-Dec) (Jan-May) to complete at least 100 hours. To facilitate a smooth process, it is highly recommended that students begin this process prior to the end of their sophomore year, due to a month-long period necessary for processing paperwork.

Additionally, each student must complete four (4) specific projects, and those can be a combination of any of the following: community workshop/health fair, health care or science academic competition, and writing a letter to a legislative body about a health care related concern or suggestions for a better system of access to/delivery of health care.

HOSPITAL INTERNSHIP & PROJECTS - 12th

One Year

Seniors in the Medical Focus Program are responsible for setting up their own participation in departmental and clinical internships at Providence Saint Joseph Medical Center or other Medical Focus pre-approved health care facilities. Rotations will consist primarily of observation time with limited hands-on training.

A minimum requirement of **12 hours per month** for the months of August through May, with 2 rotations in a year (Aug-Dec) (Jan-May) **to complete at least 100 hours.**

Additionally, each student must complete FOUR specific projects- A combination of any of the following: community workshop/health fair, health care/science academic competition, and writing a letter to a legislative body about a health care related concern or suggestions for a better system of access/delivery of health care.

Medical Focus Program Scope and Course Sequence

Providence High School Focus Programs

Grade Level	Required Medical Focus Courses & Experiential Learning Hours
9 th Grade Requirements	Health, Disease, & Healthcare (#10614) Biology Honors HC1 (#10621)
10 th Grade Requirements	Chemistry Honors HC2 (#10638)
11 th Grade Electives that meet Medical Focus Program Requirements	<p><u>Medical Focus Program Juniors may select from the following:</u></p> <p style="text-align: center;">Anatomy & Physiology (#10660) AP Biology (#10650), AP Chemistry (#10633), Nutrition (#10655), Kinesiology (#10665), CP Physics (#10642), Physics Honors (#10640), or AP Physics (#10635 or #10647)</p> <p style="text-align: center;">+</p> <p style="text-align: center;">Successful completion of 100 hours of experience learning</p>
12 th Grade Requirements	<p style="text-align: center;">Genetics & Biotechnology (#10672) Biomedical Ethics (#10634) &</p> <p style="text-align: center;">+</p> <p style="text-align: center;">Successful completion of 100 hours of experience learning</p>

Technology Focus Program

Providence High School's Technology Focus Program is designed as a broad-based introduction into various kinds of technology, providing a launching pad for further college study and industry application. Recognizing the challenges faced as members of a global society, we fully embrace the Values and the Mission and Vision of the Sisters of Providence and seek application of these values in today's technologically enhanced world. Faith and Technology are not mutually exclusive; they are intertwined. Students enrolled in this program will explore various forms of today's technology, while recognizing and advocating respect for the global community in which they live.

At the completion of the program, students will have acquired a strong foundation in modern technology in anticipation of further study at the college/university level.

Technology Focus Program Goals and Expected Outcomes

The Technology Focus Program is an elective enrichment program, with the specific purpose of promoting further study in today's world of information science and technology. In accordance with the ISTE National Educational Technology Standards, students will participate in a hands-on learning environment that features collaboration, exploration, development, and growth. The primary goal of the program is to create well-informed individuals who have not only a sense of prospective futures in technology, but also have an understanding and a respect for the ethics and social issues involved in our changing world. Students are encouraged to explore various avenues of technology to be better informed when making long-range plans for their future education and career paths.

- 20-30 students are typically selected at the freshman level.
- Transfer applicants are considered on a case-by-case basis.
- The Focus Program has an annual enrollment fee

Criteria for acceptance into the Technology Focus Program:

- In addition to a general admissions interview with a PHS staff or faculty member, all applicants must take part in an additional interview with a Technology Focus Program administrator.
- Submit a personal statement satisfying requirements listed on the application
- Record of high academic performance in 6th, 7th, and 8th grades
- Enthusiasm, motivation, and commitment
- Eagerness to participate in all activities/projects, including any related after school events

Criteria for continuation in the Technology Focus Program

- Continued high level of interest
- Cumulative GPA of 2.5 or higher
- Class participation and GPA of 3.0 or higher in all program classes
- Participation in triad conferences with Program Director
- Approval of Program Director and Administration

Technology Focus Program Course Offerings

#10131 - GAME PROGRAMMING I

5 Credits | Fall Semester

Game Programming teaches the foundations of creating video games in JavaScript. Its curriculum teaches the foundations of computer science and basic programming, with an emphasis on helping students develop logical thinking and problem-solving skills. Once students complete the course, they will have learned material equivalent to a semester college introductory course in Computer Science and be able to program in JavaScript. The course utilizes a blended classroom approach. The content is fully web-based, with students writing and running code in the browser. Teachers utilize tools and resources provided by CodeHS to leverage time in the classroom and give focused 1-on-1 attention to students. Each module of the course is broken down into lessons. Lessons consist of video tutorials, short quizzes, example programs to explore, and written programming exercises, adding up to over 100 hours of hands-on programming practice in total.

**UC approved; meets the 'g' elective requirement*

#10145 - GAME PROGRAMMING II

5 Credits | Spring Semester

Students continue their studies in the world of game programming. Topics include: the development cycle, algorithms, data and control structures, and object-oriented programming. Each module ends with a comprehensive module test that assesses students' mastery of the material from that module.

**UC approved; meets the 'g' requirement*

#10171 - ROBOTICS I: Introduction to VEX

5 Credits | Fall Semester

Prerequisites: Game Programming I (#10131); and Game Programming II (#10145)

Robotics is a lab-based course that uses a hands-on approach to introduce the basic concepts of robotics, focusing on the construction and programming of autonomous mobile robots using VEX Robotic Design System. Basic mechanics and electronics will be covered in this course, leading to the building of a small remote-controlled robot. Students will learn about real life applications in various industries, including the medical and media fields. Topics will include robot classification, manipulators and end effectors, robot drive systems, servo systems, payload, repeatability and accuracy.

**UC approved; meets the 'g' elective requirement*

#10181 - ROBOTICS II

5 Credits | Spring Semester

Prerequisite: Robotics I (#10171)

Continuing study in the world of robotics. Course information will be tied to lab experiments; students will work in groups to build and test increasingly more complex mobile robots, culminating in an end-of-semester robot contest. We will be using VEX Robotic Design System as our platform. Students will be divided into groups and complete a variety of robot construction and programming activities within the confines of these groups.

**UC approved; meets the 'g' elective requirement*

#10192 - AP COMPUTER SCIENCE PRINCIPLES (APCSP)

10 Credits | One Year

Recommended Prerequisites: Game Programming I (#10131); Game Programming II (#10145); Robotics I (#10171) and Robotics II (#10181); Department Chair approval

The AP Computer Science Principles course is designed to be equivalent to a first-semester introductory college computing course. In this course, 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. The course is unique in its focus on fostering student creativity. 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. They 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.

#10190 - AP COMPUTER SCIENCE A

Recommended Prerequisites: Algebra I with a grade in the "A" range; strong foundation of basic linear functions, composition of functions, and problem-solving strategies that require multiple approaches and collaborative efforts. In addition, students should be able to use a Cartesian (x, y) coordinate system to represent points on a plane. This course will run before the regular school day during the "zero" period morning session.

**UC approved; meets the 'c' math elective standards*

#10195 - TECHNOLOGY INTEGRATION (12th)

5 Credits | Fall Semester

This capstone course is interdisciplinary in nature, requiring fourth year TFP students to utilize the skills and learning they previously mastered in the application of real-world projects. Topics include, hardware technology, software engineering, Just-In-Time (JIT) project development, and project management, as well as collaboration with Media and Medical Focus programs. Students enrolled in this course will have the opportunity to choose an individual concentration or focus for their major projects and assessments based on their area of interest in programming, cyber-security, game development, and/or robotics.

**UC approved; meets the 'g' requirement*

#10121 - MARKETING FOUNDATIONS (12th)

Providence High School Focus Programs

5 Credits | Spring Semester

Social Media has established itself as the pre-eminent focal point for social interaction using web-based technologies, people generating their own content, social commentary and opinions reaching a wide audience, and brand recognition growing from affinity groups. Businesses from small to large are using social media to engage with their customers on an entirely new level, helping promote their products and services and keep in touch with consumers on a personal level. This course is for people who want to learn more about how they can use social media and design-thinking approaches as effective tools to enhance and develop their marketing, sales, product/service management, pricing, and distribution abilities.

**UC approved; meets the 'g' requirement*

Technology Focus Program Scope and Course Sequence

Grade Level	Required Technology Focus Courses
9 th Grade Requirements	Game Programming I (#10131) & Game Programming II (#10145)
10 th Grade Requirements	Robotics I (#10171) & Robotics II (#10181)
11 th Grade Requirements	AP Computer Science: CS Principles (#10192)
12 th Grade Requirements	Technology Integration (#10195) & Marketing Foundations (#10121)