

Pacific Lutheran High School

Curriculum and Planning Guide

Structure/some language generously permitted by Orange Lutheran High School.

Revised 8/2011

Table of Contents

Who We Are	
Our Purpose	3
Our Values	3
Ownership and Accreditation	4
Enrollment	4
Community Service	4
College Planning	
Information to consider when selecting high school courses	5
Course Load	5
Graduation Requirements	6
Course Standards	6
Advanced Placement Courses	7
Cal State University Requirements (CSU)	8
University of California Requirements (UC)	8

Private Colleges.....	10
Los Angeles County Community Colleges.....	10
National Clearinghouse.....	11
Summative Assessment.....	13
Testing Summary.....	
Student Recognition	14
Honor Roll / Merit Roll	14
National Honor Society.....	14
Green Slip Program	14
Arts Division	
<i>Visual Arts Department Course Descriptions</i>	14
<i>Musical Arts Department Course Descriptions</i>	14
Humanities Division	
<i>English Department Course Descriptions</i>	15
<i>Foreign Language Department Course Descriptions</i>	17
<i>Social Studies Department Course Descriptions</i>	17
Sciences Division	
<i>Science Department Course Descriptions</i>	19
<i>Math Department Course Descriptions</i>	21
<i>P.E. & Health Department Course Descriptions</i>	22
Theology Division Course Descriptions	23
Other Elective Course Descriptions	24
Additional Academic Services Description	25
Notes	27

ADMINISTRATION

Principal

Mr. Lucas Fitzgerald, MA Reformation Theology

Academic Advising/College Counseling

Ms. Mary Flett, M.Ed,

OUR PURPOSE

Pacific Lutheran High School, formerly known as South Bay Lutheran High School was founded in 1996 and exists today as a 9th - 12th grade educational environment for the following purpose:

The purpose of PLHS is to lead young people to grow spiritually, mentally, physically, and socially, in favor with God and mankind. The school seeks to provide a safe, comfortable, and supportive environment in which the skills that lead to a productive life and meet the requirements for college entrance are learned. Through the Christian perspective of the curriculum, and with teachers who model the Christian life, in partnership with the parents, the school seeks to build character in students who give glory to God.

Pacific Lutheran High School (PLHS) has as its primary purpose the clear proclamation of the Gospel. In doing so, we serve an evangelistic purpose, bringing the Good News of the Gospel to those in our community who do not yet know Christ as their Savior. At the same time, we serve an edifying purpose, strengthening and deepening the faith of those in our community who acknowledge Christ as Lord and Savior. PLHS is a Lutheran, Christian school. We hold true to the historic tenets of faith alone, grace alone, and Scripture alone as taught in God's Word and explained in the Lutheran Confessions. At the same time we recognize that it is the will of God that all people come to faith in Christ, and we welcome those from the broader community who seek the benefits of a Christian education.

Primary among those benefits is a commitment to offering a quality education. That commitment begins with providing students and families with the best Christian educators and support staff available. PLHS strives to offer a curriculum that is rigorous and effective in equipping students with skills in technology, citizenship, and the traditional academic disciplines. PLHS will maintain optimum class sizes and enroll students with the potential for success in a regular classroom setting.

PLHS ministers to the whole child. We strive to offer co-curricular and extra-curricular activities across a broad range of interests. We encourage students to develop the skills of leadership, cooperation, and service that often can be learned best outside the classroom. Finally, we believe that a strong partnership between school and home is vital to a student's success.

OUR VALUES (Expected Schoolwide Learning Results)

Placing Christ First

Students are taught the Gospel through chapel, devotions, and interaction with teachers in their classes. Students are encouraged to grow in Christ through personal Bible study, prayer and involvement in worship.

Learning for Life

Through a Christ-centered college-preparatory curriculum, students accumulate both the knowledge and the ability to strive for excellence in educational growth.

Students are taught to identify and solve problems and are encouraged to continue growing in their educational and professional careers.

Honing Life Skills

Students develop the tools necessary to be a responsible and productive person in society through effective communication, organization, time management and use of technology. Students continue to accept responsibility and demonstrate self-discipline in their words, actions, and deeds.

Serving Church, School, and Community

Students are encouraged to continue to serve God through outreach, service projects, and individual volunteer opportunities.

OWNERSHIP AND ACCREDITATION

Pacific Lutheran High School is a cooperative entity of five Lutheran congregations from the South Bay area committed to providing an exemplary Christian high school education. The school is owned and controlled by the Pacific Lutheran High School of the South Bay Association whose business affairs are monitored by delegates elected or appointed by the participating congregations. The academic program at PLHS is rigorous, designed to prepare graduates for excellence in higher education. Pacific Lutheran High School is fully accredited by the Western Association of Schools and Colleges.

ENROLLMENT

Pacific Lutheran is a comprehensive high school serving the spiritual, academic, and co-curricular needs of our students through a variety of learning experiences and opportunities. Academically, our teachers and curriculum focus on challenging all students and preparing them for entering into college. Pacific Lutheran High School admits students with a variety of learning styles and abilities and is committed to providing an outstanding education for all. We offer the full spectrum of academic coursework –from Honors and Advanced Placement courses to remedial courses for students.

Pacific Lutheran High School admits students of any race, color, national and ethnic origin to all the rights, privileges, programs and activities generally accorded or made available to the students of the school. It does not discriminate on the basis of race, color, national and ethnic origin in administration of its educational policies, admissions policies, scholarship and loan programs, and athletic and other school-administered programs. Admission is determined on the basis of a completed application, an interview with the school principal, recommendation form(s), and student transcripts. All applicable tuition and fees must be paid for enrollment to be complete.

COMMUNITY SERVICE

Required annually for all students in Grades 9-12

The Christian life includes acts of love and service to others. Students will be provided opportunities to serve other people while enrolled at PLHS.

Community Service Requirements

1. Each student will be required to complete a minimum of twenty (20) hours of community service for each year of attendance at Pacific Lutheran.
2. Ten (10) of the twenty (20) hours will require participation in “Luther’s Attic”, a thrift store operated for Pacific Lutheran High School at 2409 Artesia Blvd. in Redondo Beach.
3. Students will be responsible for making the appropriate arrangements to complete their remaining (10) community service hours. These hours are normally completed on the community service day Pacific Lutheran has set aside in the school calendar.
4. Community service forms must be completed, signed by a site supervisor, and returned to the school office to ensure timely and accurate documentation.
5. Students and their families are encouraged to keep copies of all service records at home for future reference.
6. Students generally begin working towards their community service hours after the school year has begun. Service completed during the summer months must be returned to the school office no later September 15th of the subsequent school year.
7. Students will have until the first day of second semester finals to return their completed community service forms for the current school year to the school office.

8. Each year a student receives 1.25 units on their transcript for their Community Service work titled “Community Development”. Failure to complete the required twenty (20) service hours will result in a grade of “F” on the student’s transcript. It is recommended that courses, athletic teams and clubs wishing to provide service opportunities for students clearly communicate these opportunities to those students participating in their course, sport, or club in a timely manner so that students can plan to use these hours toward their Service to Society requirement.
9. It is Pacific Lutheran’s prayer that students view the annual twenty (20) required community service hours as a minimum. Students completing more than the required Community service hours are encouraged to count/submit these hours to the school office.
10. Pacific Lutheran recognizes and honors students who have done exemplary service to their community both in the amount of time given and in the character of that service.

INFORMATION TO CONSIDER WHEN SELECTING HIGH SCHOOL COURSES

Each college or university has specific admission requirements that must be met prior to acceptance. It is wise to carefully review posted admission requirements found on every university’s website to get a sense of the various criteria that colleges use to admit students. Colleges generally consider the following for a comprehensive review of a student’s potential for success:

- Students’ demonstrated “intellectual curiosity” in respect to the number, type, and level of courses completed. Colleges specifically look at courses with the most rigorous curriculum possible (including Honors and Advanced Placement (AP) courses as well as exceeding minimum requirements).
- Grade Point Average (G.P.A.)
- SAT and/or ACT scores
- Involvement in “life” outside of academics including extracurricular activities, church involvement, and community service.

Course Load

Courses are listed as either a *5 unit* course that is offered for only a semester or as a full year course that is listed as a *10 unit* course. Every freshman, sophomore, and junior must take a minimum full schedule each day. Every senior must take a minimum of five classes. Seniors who are employed or are taking college coursework may leave after their fifth and final course.

Seniors are encouraged to maintain a strong academic program during their final year of high school. By taking advantage of the educational opportunities available to them, seniors demonstrate the “intellectual curiosity” that colleges use as a predictor for success. Also, an increasing number of colleges will not make a final acceptance decision until they evaluate student performance during the spring semester.

Schedules will generally be finalized by the end of May for the following school year (assuming students successfully complete the current year’s classes).

Weighted vs. Unweighted GPA

At Pacific Lutheran High School, students have the opportunity to earn weighted grade points by taking honors and Advanced Placement level courses. Honors courses are accelerated versions of regular classes, and Advanced Placement courses are considered college level coursework. Both require students to learn at a faster pace, with greater depth, and allow students the opportunity to earn an extra grade point. Therefore, students earning A’s in honors and AP classes may begin to see their GPA increase above the 4.0 mark because they earned an extra grade point and were also successful in their other coursework. For instance, an A in AP Calculus is given 5.0 grade points whereas an A in regular U.S. History is given 4.0 grade points.

Please refer to the grade point scale below:

Unweighted Courses

A	4.0
B	3.0
C	2.0
D	1.0

Weighted Courses (Honors & AP)

A	5.0
B	4.0
C	3.0
D	1.0

The GPA that Pacific Lutheran High School calculates is a weighted GPA. The GPA that colleges calculate for admissions, however, is not always the same as the GPA listed on the PLHS transcript. Most universities devise their own standards for calculating an applicant’s GPA and may only consider certain honors courses when calculating a weighted GPA. Therefore, PLHS may consider Honors World History as a weighted course for our GPA, while UCLA will not consider Honors World History as a weighted course toward the GPA they use for admissions. UCLA will, however, highly regard the fact that a freshman took what PLHS considers an honors level course. Furthermore, some colleges will use an unweighted GPA for admissions, although they will still note that the student pursued advanced level coursework with honors and Advanced Placement courses. Each college or college system has devised their own standards for calculating GPA in admissions in order to create a standard to fairly evaluate applicants from diverse high schools across the nation. To view the UC systems list of courses receiving weighted credit visit <http://www.ucop.edu/doorways/>

Graduation Requirements

SUBJECT	CREDITS	COURSES
English	40 Credits	English 9 English 10 English 11 / American Literature English 12 / British Literature
Social Studies	30 credits	1 year World History 1 year U.S. History 1 year Government / Economics
Mathematics	30 credits	Algebra Geometry Pre-Calculus Calculus Business Math
Science	20 credits	1 year Biological or Life Science 1 year General Science
Fine Art	10 credits	Art Journalism
Theology	40 credits	
Physical Education	15 credits	
Health	5 credits	
<i>Remaining needed credits are earned through foreign language and / or elective courses.</i>		
TOTAL CREDITS REQUIRED FOR GRADUATION: 240		

Course Standards

The University of California (UC) system is used as the “Gold Standard” in California to evaluate whether or not a high school course has the appropriate rigor to be considered a college preparatory course. Throughout this Curriculum & Planning Guide, courses that have been approved as those that meet the entrance requirements of any University of California and Cal State University are identified as a “UC approved course” and also note the corresponding subject area letter (a-g) approval. The University of California “a-g” subject area requirements ensure that students can participate fully in the first-year program at the University in a wide variety of fields of study. University of California faculty consider the

Subject Requirements to be effective preparation on many levels for undergraduate work at the University. This pattern of study assures the faculty that the student has attained a body of general knowledge that will provide breadth and perspective to new, more advanced study. Fulfillment of the "a-g" pattern also demonstrates that the student has attained essential critical thinking and study skills. Detailed information on the a-g lists for the Cal State University (CSU) and University of California (UC) may be found on the following pages of this Curriculum and Planning Guide.

Pacific Lutheran’s Advanced Placement Program

Pacific Lutheran High School presently offers one Advanced Placement Course, Calculus AB. This course has gone through a rigorous process to become approved by the College Board.

The AP Exams are given on nationally prescribed dates in May. Grades are assigned on a basis of 1-5 with a 3 or higher generally considered to be passing scores. Many colleges give credit for a score of 3, 4, or 5. However, it is worthy to note that a few private colleges will only give credit for a 4 or 5. Each university typically has its own criteria for accepting AP exam scores.

Some ideas to consider when registering for an AP course:

- It is of vital importance that students choose classes and activities wisely. Students need to be careful not to over extend themselves.
- Course requirements may be in excess of what might be expected from a normal advanced course. To be successful, students must accept the fact that it is an exceptional course, which may make unusually heavy demands on their time and energy.
- One of the greatest challenges is the requirement that students remain consistent throughout the year. In regular courses, a bright, high-ability student can let his or her effort slide a little from time to time and make up for it with extra effort before a test. However, this strategy will threaten even the most gifted student’s chances of passing the AP exam.
- Typically, an AP course will require extra meeting time outside of class, especially for help sessions and a practice AP exam in the spring.
- All students enrolled in an AP course are required to take the AP exam in May.
- Most of the AP courses encompass a conceptual approach, which covers all the diverse parts of a subject matter as a mesh of unifying themes. Being able to comprehend the “big picture” and the ability to articulate those ideas on tests are foundational expectations of any AP course.
- AP coursework is more than passing an exam for college credit. It will help prepare students for the rigors and challenges of college academics. It may help them to discover interests and skills they might not have been aware of, and levels of accomplishment they might not have believed they could reach before. AP classes are challenging, fast paced, and meaningful educational opportunities.

Advanced Placement Courses

Calculus

CALIFORNIA STATE UNIVERSITY (CSU)

California State University, Bakersfield	California State University, Monterey Bay
California State University, Channel Islands	California Polytechnic University, Pomona
California State University, Chico	California State University, Sacramento
California State University, Dominguez Hill	California State University, San Bernardino
California State University, Fresno	San Diego State University
California State University, Fullerton	San Francisco State University
California State University, Hayward	San Jose State University
Humboldt State University	California Polytechnic University, San Luis Obispo
California State University, Long Beach	California State University, San Marcos
California State University, Los Angeles	Sonoma State University
California State University, Northridge	California State University, Stanislaus
California Maritime Academy	

The CSU system requires all freshman applicants to satisfy subject and testing requirements and meet a qualifiable eligibility index.

California State University (CSU) Course Requirements (“a-g” List)

The CSU requires first-time freshman applicants to complete, with a grade of “C” or better in each course, the following comprehensive pattern totaling **15 units**.

For more information regarding California State University (CSU) “a-g” subject area requirements, please visit: <http://www.csumentor.edu/>

a.	History and Social Science	2 years (Including 1 year of U.S. History or 1 semester of U.S. History and 1 semester of civics or American Government <i>AND</i> 1 year of social science)
b.	English	4 years (college preparatory English composition and /or literature)
c.	Mathematics	3 years (Including Algebra I, Geometry, and Algebra 2). Fourth year of Math recommended.
d.	Laboratory Science	2 years (Including 1 year of biological science and 1 year of physical science)
e.	Language other than English	2 years (Same language)
f.	Visual and Performing Arts	1 year (musical or visual arts)
g.	College Preparatory Elective	1 year (additional year chosen from the University of California “a-g” list)

Testing Requirements: All students must take either the SAT Reasoning Test or ACT. SAT Subject Tests are not required for admission. The Cal State system will not use the writing section of the SAT or ACT for admissions purposes.

Eligibility Index: The Eligibility Index Table shows the combination of test scores and grade point averages required to meet minimum eligibility requirements. Students can calculate their eligibility index by multiplying their grade point average by 800 and adding their combined score on the SAT, using the combined scores earned on the critical reading and math sections. The CSU does not use the SAT Writing score for admission purposes. Students may use the best score earned in individual test dates. Or, if the ACT was taken, students can multiply their grade point average by 200 and add ten times the ACT composite score. The ACT composite score can be calculated using the best scores earned in individual test dates. The ACT Writing score is not considered in the composite score. If students apply for admission before graduation from high school, they should compute their GPA using grades earned in *a-g* courses completed after the 9th grade (excluding grades that are expected to be earned in courses during the remainder of 12th grade).

- California high school graduates require a minimum eligibility index of 2900 using the SAT combined score for critical reading and math sections or 694 using the ACT.

UNIVERSITY OF CALIFORNIA (UC)

University of California, Berkeley	University of California, Riverside
University of California, Davis	University of California, Santa Barbara
University of California, Irvine	University of California, Santa Cruz
University of California, Los Angeles	University of California, San Diego
University of California, Merced	University of California, San Francisco (graduate study only)

The UC system requires all freshman applicants to satisfy subject and testing requirements and meet a qualifiable eligibility index. The UC Course Requirements (a-g List) are more rigorous than the CSU course requirements (a-g List).

University of California (UC) Course Requirements (“a-g” List)

The University of California requires first-time freshman applicants to complete, with a grade of “C” or better in each course, the following comprehensive pattern totaling **15 units**.

For more information regarding the University of California (UC) “a-g” subject area requirements, please visit: <http://www.ucop.edu/doorways/>

a.	History and Social Science	2 years (Including one year of World History, cultures and geography and one year of U.S. History or one-half year of U.S. History and one-half year of Civics or American Government)
b.	English	4 years (College preparatory English composition and literature)
c.	Mathematics	3 years required; 4 years recommended (Including Algebra I, Geometry, and Algebra 2 or higher)
d.	Laboratory Science	2 years required; 3 years recommended (Including 2 of the following three subjects: biology, chemistry, or physics)
e.	Language other than English	2 years of the same language required; 3 years recommended
f.	Visual and Performing Arts	1 year long (dance, drama, or theater, music, or visual arts)
g.	College Preparatory Elective	1 year (additional year chosen from the University of California “a-g” list)

There are three pathways for California residents to satisfying University’s minimum admission requirements for freshmen students: 1) Eligibility in the Statewide Context, 2) Eligibility in the Local Context, and 3) Eligibility by Examination Alone.

Eligibility in the Statewide Context: This is the path most California students take to enter the University. To be eligible through this path, students must earn a high school diploma or equivalency and satisfy the following three requirements no later than high school graduation for minimum eligibility.

- A. **The Subject Requirement-** Specifies the 15 yearlong academic courses a student must complete in high school (see “a-g” course requirements).
- B. **The Examination Requirement-** The SAT Reasoning Test or the ACT Assessment plus writing and two SAT Subject Tests in two different areas (excluding Math Level 1).
- C. **The Scholarship Requirement-** The combination of GPA and standardized test scores a student must attain.

Eligibility in the Local Context: The Eligibility in the Local Context (ELC) program recognizes students’ individual accomplishments in light of the opportunities offered at Pacific Lutheran High School. Students who are ranked in the top four percent of their graduating class as determined by UC can become UC-eligible when the following ELC requirements are met:

- GPA \geq 3.0
- Must be designated by UC evaluators as being in top four percent of graduating class
- Must complete 11 UC-approved courses by end of junior year.

The 11 units include:

- History/Social Science – 1 year
- English – 3 years
- Mathematics – 2 years
- Laboratory Science – 1 year
- Language Other than English – 1 year
- Visual & Performing Arts (VPA) or Electives – 3 years

Eligibility by Examination Alone: Students may qualify for admission to the University by earning high scores on the ACT Assessment plus Writing or SAT Reasoning Test, and two SAT Subject Tests. To qualify this way, students must achieve a minimum UC Score Total 410 and earn a minimum UC Score of 63 on each component of the ACT or SAT Reasoning Test and on each SAT Subject Test. Students may not use an SAT Subject Test to meet these requirements if they have completed a transferable college course in that subject with a grade of C or better.

“D” and “F” Grades: Math Courses in which grades of “D” are earned must be repeated to qualify for the subsequent Math level. All other courses earning an “F” must be repeated (usually during summer school).

Comprehensive Review- Factors for Freshman Applicants

To be eligible for admission, applicants must meet the University's minimum undergraduate admission requirements. The following guidelines provide the framework within which the campuses establish procedures for selecting applicants when the number of eligible applicants exceeds the spaces available:

1. Academic grade point average in all completed "a-g" courses, including additional points for completed University-certified honors courses.
2. Scores on the ACT Assessment plus Writing or SAT Reasoning Test, and two SAT Subject Tests.
3. Number of, content of, and performance in academic courses beyond the minimum "a-g" requirements.
4. Number of and performance in University-approved honors courses and Advanced Placement, International Baccalaureate and transferable college courses.
5. Identification by UC as being ranked in the top four percent of the student's high school class at the end of his or her junior year ("eligible in the local context" or ELC).
6. Quality of the student's senior-year program, as measured by the type and number of academic courses in progress or planned.
7. Quality of the student's academic performance relative to the educational opportunities available in his or her high school.
8. Outstanding performance in one or more academic subject areas.
9. Outstanding work in one or more special projects in any academic field of study.
10. Recent, marked improvement in academic performance, as demonstrated by academic GPA and the quality of coursework completed or in progress.
11. Special talents, achievements and awards in a particular field, such as visual and performing arts, communication or athletic endeavors; special skills, such as demonstrated written and oral proficiency in other languages; special interests, such as intensive study and exploration of other cultures; experiences that demonstrate unusual promise for leadership, such as significant community service or significant participation in student government; or other significant experiences or achievements that demonstrate the student's promise for contributing to the intellectual vitality of a campus.
12. Completion of special projects undertaken in the context of the student's high school curriculum or in conjunction with special school events, projects or programs.
13. Academic accomplishments in light of the student's life experiences and special circumstances.
14. Location of the student's secondary school and residence.

PRIVATE COLLEGES AND UNIVERSITIES

The entrance requirements of private colleges and universities vary. Students are urged to plan their high school program to meet admissions requirements for the colleges in which they are interested. Students will be required to take either the SAT or ACT tests, and they should consult the catalog of the particular college or university under consideration for further admissions requirements.

LOS ANGELES COUNTY COMMUNITY COLLEGES

El Camino College
L.A. City College

L.A. Harbor College
Santa Monica College

L.A. Southwest College
West L.A. College

To enroll at a Community College, a student must:

- 1) Submit an application to the college. Students can get an application at the Admissions Office of the school they want to attend in the spring of their senior year.
- 2) Make an appointment at the time of application for placement testing at the college. Assessment is required and placement recommendation will be made for English, Reading, and Mathematics.
- 3) Attend an Orientation. Assessment results usually are available beginning in April for the following fall semester.
- 4) Register for classes.

NCAA ELIGIBILITY CENTER (for college-bound student-athletes)

The purpose of the NCAA Eligibility Center is to certify the academic and amateur credentials of all college-bound student-athletes who wish to compete in NCAA Division I or II Athletics. Students who want to participate in athletics or receive an athletic scholarship during their first year must satisfy the following academic requirements:

DIVISION I	DIVISION II (2009-July 31, 2013)
<ul style="list-style-type: none"> • Graduate from high school • Complete 16 core courses <ul style="list-style-type: none"> - 4 years of English - 3 years of math (Algebra 1 or higher) - 2 years of natural or physical science (including one year of lab science) - 1 extra year of English, math, or natural or physical science - 2 years of social science - 4 years of extra core courses (from any category above or foreign language, non-doctrinal religion or philosophy); • Earn a minimum required grade-point average in core coursework. • Earn a combined SAT or ACT sum score that matches your core-course grade point average on a sliding scale. <p>Requirement to graduate with your high school class:</p> <p>You must complete the 16 core-course requirements in eight semesters, which begins when you initially started high school with your ninth-grade class. If you graduate from high school in eight semesters with your class, you may use one core course completed in the year after graduation (summer or academic year) to meet NCAA Division 1 eligibility requirements.</p> <p>You may complete the core course at a location other than the high school from which you graduated and may initially enroll full time at a collegiate institution at any time after completion of the core course.</p>	<ul style="list-style-type: none"> • Graduate from high school • Complete 14 core courses <ul style="list-style-type: none"> - 3 years of English - 2 years of math (Algebra 1 or higher) - 2 years of natural or physical science (including one year of lab science) - 2 extra years of English, math, or natural or physical science - 2 years of social science - 3 years of extra core courses • Earn a 2.0 grade point average or better in your core courses. • Earn a combined SAT score of 820 or an ACT sum score of 68.

At the beginning of the junior year, students desiring to compete in NCAA Division I or II Athletics need to register with the NCAA Clearinghouse at <http://eligibilitycenter.org>. To create an account, either click on the "New Account" button at the top right of the screen or the cell phone on the left side of the screen.

SUMMARY OF COLLEGE ENTRANCE EXAMINATIONS

As students prepare for college, they will encounter at least one (and probably more than one) of the following college entrance exams:

- PSAT/NMSQT: Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Assessment Test.
- SAT (Reasoning Test): Scholastic Aptitude Test
- ACT: American College Testing Exam
- SAT Subject Tests

Standardized testing requirements vary from college to college. Students should consult their prospective colleges and universities when deciding which tests to take.

ACT AND SAT TEST SCORE COMPARISON

ACT Composite Score	Estimated SAT CR+M+W	Estimated SAT CR+M+W (score range)	ACT Composite Score
36	2390	2380–2400	36
35	2330	2290–2370	35
34	2250	2220–2280	34
33	2180	2140–2210	33
32	2120	2080–2130	32
31	2060	2020–2070	31
30	2000	1980–2010	30
29	1940	1920–1970	29
28	1880	1860–1910	28
27	1820	1800–1850	27
26	1770	1740–1790	26
25	1710	1680–1730	25
24	1650	1620–1670	24
23	1590	1560–1610	23
22	1530	1510–1550	22
21	1470	1450–1500	21
20	1410	1390–1440	20
19	1350	1330–1380	19
18	1290	1270–1320	18
17	1230	1210–1260	17
16	1170	1140–1200	16
15	1100	1060–1130	15
14	1020	990–1050	14
13	950	910–980	13
12	870	820–900	12
11	780	750–810	11

SUMMATIVE ASSESSMENT

For additional information, contact Ms. Flett in the Counseling Department

ITED	PSAT	SAT	ACT	Subject Test
<p>Offered to PLHS 9th, 10th, 11th and 12th grade students</p> <p>Nine tests varying in length from ten minutes to fifty minutes.</p> <p>Measures skills in nine different academic areas including reading comprehension, analysis of science materials and problem solving.</p> <p>Used by PLHS to track individual student growth and school-wide trends</p> <p>Similar to the PSAT but shorter.</p> <p>Scores on each section are averaged to create a composite score. Grade equivalent and national percentile scores are determined through this test.</p>	<p>Offered to PLHS 9th, 10th, and 11th grade students</p> <p>Two 25-minute critical reading sections; two 25-minute math sections; one 30-minute writing skills section. Does not include an essay.</p> <p>Measures skills in three basic academic areas important for college success.</p> <p>Not used to determine college admissions; intended to help 11th graders to prepare for the SAT.</p> <p>Similar to the SAT, but shorter.</p> <p>Score range is between 20 and 80, with 80 being a perfect score.</p> <p>If you perform well on the PSAT (obtain a qualifying Selection Index Score), you may qualify for the National Merit Scholarship Program (a nationally distributed merit-based scholarship). Only scores from the junior year are used to determine qualification for National Merit Program.</p>	<p>Students take SAT at local public high schools</p> <p>One 3-hour and 20-minute exam.</p> <p>Measures verbal, math reasoning, and writing skills. Does not include science.</p> <ul style="list-style-type: none"> • Critical Reading: Mix of reading comprehension and sentence completion that requires vocabulary enterprise. • Math: Basic Geometry and Algebra 2. • Writing: Essay is the first section; 25 minutes. Factored into score on multiple-choice section on grammar usage and word choice. <p>Each section of the SAT is scored on a scale of 200-800 with additional sub-scores for the essay (2-12) and multiple-choice writing questions (20-80). A perfect score is 2400.</p> <p>All American universities will accept either the SAT or ACT tests.</p>	<p>Students take ACT at local public high schools</p> <p>One 3-hour exam and an optional 30-minute writing test.</p> <p>Measures achievement in English, math, reading, and science.</p> <ul style="list-style-type: none"> • English: Measures standard written and rhetorical skills. • Math: Measures skills students have typically acquired in courses taken up to the beginning of 12th grade. • Reading: Measures reading comprehension. • Science: Measures the interpretation, analysis, evaluation, reasoning, and problem-solving skills required in natural sciences. • Writing (optional): Measures writing skills emphasized in high school and in entry-level college composition courses. <p>Scores on each section are averaged to create a composite score. A perfect score is 36.</p>	<p>Students take SAT Subject tests at local public high schools.</p> <p>One 1-hour test that assesses mastery of a particular field of study. Up to three tests can be required for college admissions. Some universities use the SAT Subject Test for course placement; others do not require it at all.</p> <p>Twenty (20) tests are offered in five subject areas:</p> <ul style="list-style-type: none"> • English • Math • History • Science • Foreign Language <p>Scores are based on a 200-800 point scale.</p>

STUDENT RECOGNITION

HONOR ROLL

To be named to the Honor Roll students must meet the following criteria:

- Earn an academic GPA of 3.50 or higher
- Earn no grades of “D” or lower
- Must have a minimum of (4) grades to be averaged

MERIT ROLL

To be named to the Merit Roll students must meet the following criteria:

- Earn a grade point average of 3.1-3.49
- Earn no grades of “D” or lower
- Must have a minimum of (4) grades to be averaged

NATIONAL HONOR SOCIETY

The National Honor Society (NHS) is an organization established to honor students based on scholarship, leadership, service, and character. Juniors and Seniors are eligible for membership according to the NHS constitution. To be considered for membership, a minimum GPA of 3.0 is required for all candidates. Each year during the fall, students are notified by mail if they have met the GPA minimum requirement of 3.0 and are provided with the necessary information to apply for membership. The faculty council reviews members and candidates; qualified students are selected for NHS membership by a majority vote of the faculty council. Active members must maintain the standards by which they are selected and meet the obligation of the chapter. If a member is dismissed from the chapter, he/she cannot be eligible again for membership in the National Honor Society. Upon graduation, members become graduate members. NHS members will also receive a white tassel to be worn at graduation.



GREEN SLIP SYSTEM

PLHS has established a positive reinforcement program for students demonstrating outstanding performance in the classroom and/or on campus. Students receive a green slip for significant positive contributions to the school which enters them into a drawing for various prizes including gift cards, laptops, school supplies, etc. These drawings are held every few weeks at the conclusion of chapel.

PACIFIC LUTHERAN HIGH SCHOOL

CURRICULUM GUIDE 2010-2011

ARTS DEPARTMENT

Pacific Lutheran's arts program offers students countless opportunities in the visual and musical arts giving students the creative edge they need for a well-rounded education.

PLHS Graduation Requirements: Students are required to complete a year-long course from either the Visual or Musical Arts Departments:

Comprehensive Music, Art

College Requirements: Same as Pacific Lutheran High School's graduation requirements; however, at least one course must be UC approved for the "I" requirement.

VISUAL ARTS DEPARTMENT COURSE DESCRIPTIONS

The Visual Arts Program provides an opportunity for all students to explore their God-given creative talents. Research shows that students who participate in fine arts become more aware and are better prepared for higher education and the aesthetic experiences of life yet to come. Universities and colleges are looking for students with a well-rounded education and life experiences.

VISUAL ARTS DEPARTMENT FLOW CHART

FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
	Art	Art	Art

ART

(5 units)

UC approved course ("f")

Grades 10-12

The first semester of Art is an introduction to Art which includes learning about art vocabulary, art theory, art skills, and some art history. The media that the students will use will be pencil, charcoal, ink, oil and chalk pastels, markers, clay, watercolor, tempera, and acrylic paints. The second semester of Art will require more advanced art skills and understanding of concepts and art history. The five strands from the CA Visual Art Standards will be incorporated into the lessons and projects.

PREREQUISITE: None

FEES: Art materials fees (usually around \$25.00)

RELEVANT STANDARD: California Content Standards, Visual and Performing Arts (Music)

MUSICAL ARTS DEPARTMENT COURSE DESCRIPTIONS

The Musical Arts Department strives to help students to: (1) recognize and understand the basic elements of music; (2) learn and understand the language of music; (3) understand the basic elements of creating and manipulating music. (4) explore the eras of Western Music History; (5) develop a musical vocabulary that enables them actively participate, listen and communicate with others about music; (6) integrate musical understanding into other academic disciplines.

MUSICAL ARTS DEPARTMENT FLOW CHART

FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
	Comprehensive Music	Comprehensive Music	Comprehensive Music

COMPREHENSIVE MUSIC

(10 units)

pending UC approval for "F"

Grades 10-12

This music course is intended for a small group of students who would benefit more from a comprehensive music education as opposed to a solely performance-based music education. Over the course of the year the students will understand musical elements such as Theory, Style, Form, Harmony, History, Composition/Arranging, and Performance. The course will cover music from the late Baroque Period until the present day, including both the popular and Artistic genres. Students who successfully complete both semesters of Comprehensive Music will fulfill the (f) requirement for the University of California entrance requirements.

PREREQUISITE: None

RELEVANT STANDARD: California Content Standards, Visual and Performing Arts (Music)

HUMANITIES DIVISION

ENGLISH LANGUAGE ARTS DEPARTMENT COURSE DESCRIPTIONS

The mission of the English department is to encourage and facilitate students' development of their writing, reading, speaking and listening skills within the context of a Christian worldview.

PLHS Graduation Requirements: Students are required to complete a required sequence of four of the following core college preparatory English courses:

English 9, English 10, American Literature, British Literature

College Requirements: Same as Pacific Lutheran High School's graduation requirements.

ENGLISH LANGUAGE DEPARTMENT FLOW CHART

FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
English 9	English 10	American Literature	British Literature

ENGLISH 9

(10 units, required)

UC approved course ("b")

Grade 9

English 9 is a course intended to strengthen basic English skills and provide the building blocks for continuing in the mastery of standard American English, vocabulary, writing, oral communication, and literature. In the successful completion of this course, students will be able to use standard American English grammar and punctuation, broaden their vocabulary especially through the study of Greek and Latin roots, gain proficiency in public speaking, write coherent and focused essays and business letters, and understand and critically analyze grade-level-appropriate material including *The Pearl* by Steinbeck, *Romeo and Juliet* by Shakespeare, non-fiction, short stories, drama and poetry by various writers.

PREREQUISITE: None

RELEVANT STANDARD: California Content Standards, Language Arts grades 9-10

ENGLISH 10

(10 units, required)

UC approved course ("b")

Grade 10

English 10 continues in the skills taught in English 9 - grammar, communication, and literature. In the successful completion of this course, students will be able to speak and write using standard American English, broaden their vocabulary, gain proficiency in public speaking, develop a thesis and use supporting evidence from research in writing, write and speak persuasively, broaden knowledge of literature from around the world, write in response to literature, and work cooperatively in small groups.

PREREQUISITE: English 9

RELEVANT STANDARD: California Content Standards, Language Arts grades 9-10

AMERICAN LITERATURE

(10 units)

UC approved course ("b")

Grades 11 or 12

American Literature gives students the opportunity to learn about and appreciate the origins of the United States and to come to recognize how closely American literature is tied to the land and its history – two things which Americans value deeply.

PREREQUISITE: English 9; English 10

RELEVANT STANDARD: California Content Standards, Language Arts grades 11-12

BRITISH LITERATURE

(10 units, required)

UC approved course ("b")

Grades 11 or 12

The English language has a rich history, a heritage which is ours as English speakers. In this course, students will see how events in British history have influenced British literature and the English language itself.

PREREQUISITE: English 9; English 10

RELEVANT STANDARD: California Content Standards, Language Arts grades 11-12

FOREIGN LANGUAGE DEPARTMENT COURSE DESCRIPTIONS

The goal of the Foreign Language Department is for students to develop linguistic and cultural literacy including academic knowledge and proficiency in both English and Spanish. Studying language and culture helps students develop the skills necessary to thrive in our interdependent world. There is great demand to be conversant in Spanish as well as a great need for God's people to develop an awareness and appreciation for people in different cultures.

PLHS Graduation Requirements: Students are expected but not required to complete two years (units) of Spanish unless extenuating circumstances exist. Students are offered courses in:

Spanish 1, Spanish 2, Spanish 3

Students are required to complete 50 total units total in foreign language and / or elective courses from

the departments of their choice.

College Requirements: Generally two years of foreign language (consecutive years) are required; however, the University of California (UC) recommends three years (units) of the same foreign language, and the courses must be UC approved for the “e” requirement.

FOREIGN LANGUAGE DEPARTMENT FLOW CHART

FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
Spanish 1	Spanish 2	Spanish 3	Spanish 3

SPANISH 1

Grade 9

(10 units)

UC approved course (“e”)

The major purpose of this course is to provide the student with greater opportunities to practice in listening and speaking Spanish within limited scope. Communication is the main goal of the foreign language classroom. Students learn the appropriate grammar or structural pattern at a basic level using present and past tenses when needed for communicating or conveying messages. They also learn the correct use of basic elementary structures in reading and writing of familiar material.

PREREQUISITE: None

RELEVANT STANDARD: California State Standards, World Language

SPANISH 2

Grade 10

(10 units)

UC approved course (“e”)

The major purpose of the course is to provide the student with greater opportunities to fine-tune the communication skills acquired in Spanish 1. Instruction will emphasize listening, speaking, reading, and writing skills in preparation for advanced work. Students will be able to express themselves at a basic level. Instruction is also set within a global context by comparing components of Spanish culture with equivalent aspects in other cultures. In this manner students will discern the different ways in which various people handle such common concerns as the role of family members, the relationship of people to nature and the environment, the organization of society and the importance of education.

PREREQUISITE: Instructor Approval

RELEVANT STANDARD: California State Standards, World Language

SPANISH 3

Grades 11 or 12

(10 units)

UC approved course (“e”)

The major purpose of the course is to provide the student with greater opportunities to extend their abilities in the language skills; read for direct comprehension without always translating; practice using language structures in different speaking and writing situations; continue to stress correct pronunciation and intonation; develop insights into life and customs of people in various Spanish-speaking locales. Students will fine tune the communication skills acquired in Levels I and II, but the sphere of concentration is broadened, such as in the introduction to literature, more complex writing assignments, opportunities to develop further facility, concordance of verb tenses in complex sentences.

PREREQUISITE: Instructor approval

RELEVANT STANDARD: California State Standards, World Language

SOCIAL STUDIES DEPARTMENT COURSE DESCRIPTIONS

The primary goal of the Social Studies Department at Pacific Lutheran High School is to inform and equip students to become active Christian members of our democratic society. Students will gain a broad perspective and deep appreciation of the different cultures, governments, and societies of the world. The history of the United States will be a strong focal point throughout each student’s study as well as the functions of our government and economy.

PLHS Graduation Requirements: Students are required to complete the following three Social Studies courses for graduation:

College Requirements: Students are required to complete two years (units) of Social Studies courses for college admissions, and the courses must be UC approved for the “a” requirement.

SOCIAL STUDIES DEPARTMENT FLOW CHART

Type	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
Required	Geography	World History	U.S. History	American Government and Economics
Honors/ (AP) Courses	None	World History Honors	U.S. History Honors	None

GEOGRAPHY

Grades 9

(10 units)

This course is designed to help students develop a thorough understanding of the geography of the earth and its individual regions. Students will gain a better understanding of geographical factors as they relate to the diverse cultures in the world and will develop the geographical vocabulary and map-reading skills necessary for success in higher-level social studies courses.

PREREQUISITE: None

RELEVANT STANDARD: National Geography Standards

WORLD HISTORY (Honors)

Grade 10

(10 units)

pending UC approval (“a”)

With broad brush strokes this course will introduce students to the major historical civilizations and characters of west and east that still influence them to this day. Civilizations introduced include Sumerian, Babylonian, Phoenician, Jewish, Assyrian, Persian, Egyptian, Indus, Aryan, Chinese, Greek, Roman, Byzantine, Arab, Frankish, Viking, medieval feudal European, renaissance European, Mongolian, Japanese, and Khmer among others. The art, religions, social structures, and technical advancements of the civilizations will be touched on. Connections with the Bible’s accounts of historical events studied will be made and the religions and philosophies encountered will be contrasted with the teachings of the Bible. This course is distinguished from the standard World History course in that it will require additional reading, writing, projects and presentations than the regular World History course.

PREREQUISITE: Successful completion of Geography and/or approval of the instructor

RELEVANT STANDARD: California Content Standards, Social Science (World History)

WORLD HISTORY

Grade 10

(10 Units)

UC approved course (“a”)

With broad brush strokes this course will introduce students to the major historical civilizations and characters of west and east that still influence them to this day. Civilizations introduced include Sumerian, Babylonian, Phoenician, Jewish, Assyrian, Persian, Egyptian, Indus, Aryan, Chinese, Greek, Roman, Byzantine, Arab, Frankish, Viking, medieval feudal European, renaissance European, Mongolian, Japanese, and Khmer among others. The art, religions, social structures, and technical advancements of the civilizations will be touched on. Connections with the Bible’s accounts of historical events studied will be made and the religions and philosophies encountered will be contrasted with the teachings of the Bible.

PREREQUISITE: None

RELEVANT STANDARD: California Content Standards, Social Science (World History)

U. S. HISTORY

Grade 11

(10 units)

UC approved course (“a”)

Students will establish a fundamental comprehension of United States History with a focus on continuity and change in the 20th century. They will review the nation's beginnings, democratic ideals, and industrial transformation. They will cover a series of thematic units: the Progressive Era, the Jazz Age, the Great Depression, World War I, World War II, the Cold War, Civil Rights Movement, the Vietnam Era, and

contemporary American Society. Each student will be able to develop individual and social intelligence, prepare for responsible citizenship, and master social study skills.

PREREQUISITE: Successful completion of World History and / or instructor approval.
RELEVANT STANDARD: California Content Standards, Social Science (U.S. History)

U.S. HISTORY (Honors) **Grade 11**
(10 units) *pending A-G approval (“a”)*

U.S. History Honors is an intensive, thorough survey of American History beginning with the history of its indigenous people lasting through contemporary 21st century events. This course requires students to think critically, write persuasively, and analyze primary and secondary text materials consistently. All students enrolled in this class will take the AP exam.

PREREQUISITE: Successful completion of World History and/or instructor approval.
FEE: \$85.00 fee to take the Advanced Placement exam.
RELEVANT STANDARD: California Content Standards, Social Science (U.S. History)

GOVERNMENT **Grade 12**
(10 units) *UC approved course (“a”)*

This one semester course will focus on the framework of United States’ government as laid out in the Constitution. In addition to examining in depth the powers and day-to-day processes of each branch of government, we will learn about political parties, the election process, civil rights and liberties, and briefly the structure of the federal court system. Finally, the course will examine how the government finances itself, how the U.S. government compares to the governments of other countries (e.g. Great Britain, Japan, Mexico), and how government operates at the local level.

PREREQUISITE: Successful completion of U.S. History
RELEVANT STANDARD: California Content Standards, Social Science (American Government)

ECONOMICS **Grade 12**
(10 units) *UC approved course (“g”)*

This one semester economics course will focus on the systematic study of man’s effort to satisfy his needs and wants by securing goods and services from the scarcity of nature. The course is an introduction to the essential concepts, principles, values and methods of economic analysis and their application to the modern world.

PREREQUISITE: U.S. History
RELEVANT STANDARD: California Content Standards, Social Science (Principles of Economics)

SCIENCES DIVISION

SCIENCE DEPARTMENT COURSE DESCRIPTIONS

The Science Department provides a broad and challenging curriculum that strives to meet the needs of students by: (1) Seeking to develop in students a greater awe toward our Creator and an appreciation of the world which God created; (2) Enabling students to become scientifically literate to make responsible, God-pleasing decisions; (3) Involving students in problem solving, qualitative and quantitative analyses, and verbal and written communications; (4) Developing in students an appreciation of science as an investigative process rather than as merely a body of knowledge.

PLHS Graduation Requirements: Students are required to successfully complete a minimum of one year of physical science and one year of biological science. Although not required, students are strongly encouraged to also complete Physics and Chemistry.

General Science, Biology, Physics, Chemistry

College Requirements: Same as Pacific Lutheran High School’s graduation requirements, although most colleges require a minimum of three years of science and require Biology and Chemistry. The courses must be UC approved for the “d” requirement.

SCIENCE DEPARTMENT FLOW CHART

FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
General Science	Biology	Chemistry Physics	Physics Chemistry

General Science

Grades 9

(10 units)

UC approved course ("g")

This is an introductory science course which presents incoming freshmen with the overview of scientific concepts including: the scientific approach to problem solving; measurements; and critical thinking; biology; chemistry; meteorology; oceanography; physics; earth science; and technology. Awareness of technological advances and the need for scientific literacy and encourage through regular appreciation and curiosity of God's creation and provides a firm foundation of scientific literacy that will provide them with skills and knowledge needed for more advanced science courses.

PREREQUISITE: None

RELEVANT STANDARD: Various California Content Standards in Science including Earth, Biology Chemistry, and Physics. (General Science) Bible

BIOLOGY

Grades 10

(10 units)

UC approved course ("d")

Biology is a study of the complexity, similarities and differences of the living creation. This course begins with an overview of scientific thought especially as it relates to the biological world. Through a study of biochemistry and molecular biology students explore the cellular and molecular components of life. The structures and functions of organisms are studied through microbiology, botany, zoology, and human physiology. The interaction of organisms with other organisms and the environment is also studied.

PREREQUISITE: Successful Completion of General Science and/or instructor approval

RELEVANT STANDARD: California Content Standards, Science (Biological Sciences) Bible

CHEMISTRY

Grades 11 or 12

(10 units)

UC approved course ("d")

This course provides a study of the composition of matter and the changes which occur in it. Topics studied in this course include: the mathematics of chemistry; atomic structure; periodic table; chemical bonding; nomenclature; states of matter; stoichiometry; the kinetic theory; acids and bases; and oxidation-reduction reactions.

PREREQUISITE: Successful completion of Biology and / or instructor approval

RELEVANT STANDARD: California Content Standards, Science (Chemistry), Bible

ANATOMY & PHYSIOLOGY

Grades 11 or 12

(10 units)

UC approved course ("d")

This course is designed for students who have a strong interest in biology and wish to learn in detail about the structure and function of the human body. Lab experiments will be an important component of the course. The course is well suited for students wishing to pursue a career in the health care field.

PREREQUISITE: Successful completion of Biology and/or instructor approval

RELEVANT STANDARD: California Content Standards, Biology (Physiology)

PHYSICS

Grades 11/12

(10 units)

UC approved course ("d")

This course investigates practical application and understanding to physical properties and theories of our known universe. Students are encouraged to observe the world around them from a scientific viewpoint. Demonstrations and labs will be done in the classroom. Certain mathematical skills will be taught as needed.

PREREQUISITES: Successful completion of Biology and Algebra 2 and / or instructor approval

RELEVANT STANDARD: California Content Standards, Physics, Bible

MATHEMATICS DIVISION

MATH DEPARTMENT COURSE DESCRIPTIONS

The Mathematics Department provides a challenging curriculum that strives to meet the needs of a diverse student body by: (1) Helping the student realize that the analytical reasoning skills he or she possesses are gifts of God and should be developed to their utmost potential; (2) Helping students develop computational, procedural, and problem solving skills to provide a solid foundation for further study in mathematics; (3) Emphasizing the connection between mathematical concepts and real-world situations. (4) Helping students grow in their confidence of their math and reasoning abilities;

PLHS Graduation Requirements: Students are required to successfully complete a minimum of three years of mathematics. Ideally, students will complete courses through Algebra 2 and beyond in the following courses:

Algebra, Geometry, Algebra II, Pre-Calculus, Calculus AP, Business Math

College Requirements: Same as Pacific Lutheran High School's graduation requirements, although most colleges recommend four years (units) of mathematics. The courses must be UC approved for the "c" requirement, and students must successfully complete Algebra 2. Students who wish to attend rigorous universities should plan on taking at least one AP course and four, or often times, five math courses. Students should also know that AP Calculus is a highly-valued course by universities for its analytical and rigorous nature.

MATH DEPARTMENT FLOW CHART

FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
Algebra 1	Geometry	Algebra 2	Consumer Math
Geometry	Algebra 2	Pre-Calculus	Pre-Calculus
	Pre-Calculus	AP Calculus	AP Calculus

ALGEBRA 1

(10 units)

UC approved course ("c")

Grade 9

In this course, students learn to solve linear equations, use linear equations to solve word problems, solve systems of linear equations, factor and solve quadratic equations, and simplify expressions involving polynomials, exponents, and radicals. Topics in Algebra 1 comprise a large portion of many college entrance exams.

PREREQUISITE: Freshmen Placement Test.

RELEVANT STANDARD: California Content Standards Mathematics, (Algebra)

GEOMETRY

(10 units)

UC approved course ("c")

Grades 9 or 10

This course is a study of geometric figures in two and three dimensions. It is designed to increase a student's understanding of spatial relations and logical thinking. Topics include points, lines, planes, angles; parallel and perpendicular lines; triangles, quadrilaterals and other polygons; circles; congruence and similarity of plane figures; and surface area and volume of solids. Emphasis is also placed upon applying algebra to geometric problem solving, and applying the basic terminology and concepts of geometry in a logical and organized manner, including using proofs.

PREREQUISITE: Freshmen Placement Test. For returning students: Successful Algebra completion of C or better.

RELEVANT STANDARD: California Content Standards Mathematics, Geometry

ALGEBRA 2

(10 units)

UC approved course ("c")

Grades 10 or 11

The purpose of this course is to strengthen and build upon concepts learned in Algebra 1. The students

will discover and explore concepts including: algebraic solutions of problems (solution of systems of quadratic equations), logarithmic and exponential functions, the binomial theorem, complex number system, and basic trigonometric functions. Students completing this course will be prepared for Pre-Calculus the following year and any subsequent math thereafter.

PREREQUISITE: Successful Algebra and Geometry completion of C or better and instructor approval
 RELEVANT STANDARD: California Content Standards Mathematics, Algebra 2

PRE-CALCULUS

Grades 11 or 12

(10 units) UC approved course (“c”)

Analytic Geometry and Trigonometry are integrated with other important topics in mathematics by an approach that stresses the use and understanding of functions. Study will include such topics as rational and irrational numbers, vectors, polar coordinates, sequences and series, matrices, and probability.

PREREQUISITE: Successful Algebra 2 completion of C or better and instructor approval
 RELEVANT STANDARD: California Content Standards Mathematics, Pre-Calculus

CALCULUS (AP)

Grades 11 or 12

(10 units) UC approved course (“c”)

This is a rigorous course in single variable Calculus. The course covers limits, differential calculus and integral calculus, along with applications of derivatives and integrals. Students who successfully complete this course and pass the Advance Placement examination may receive credit and/or advanced placement for a one semester college calculus course.

NOTE: There will be time required outside of the school day for AP exam preparation.

PREREQUISITE: Pre-Calculus with a minimum grade of C and instructor approval

FEE: \$85.00 fee to take the Advanced Placement exam.

RELEVANT STANDARD: California Content Standards Mathematics, College Board AP Standards Calculus

CONSUMER/BUSINESS MATH

Grades 12

(10 units)

Business math is designed as a transitional course for those students who want to apply their mathematical knowledge to everyday situations. Typical topics would include: budgets, taxes, banking, investing, consumerism, economics, etc. Business Math also emphasizes the reviewing and mastering of basic mathematical skills.

PREREQUISITE: None

RELEVANT STANDARD: California General Math Sciences

PHYSICAL EDUCATION DEPARTMENT

PHYSICAL EDUCATION & HEALTH DEPARTMENT COURSE DESCRIPTIONS

The Physical Education Department seeks to educate students about the various benefits of physical activity, including health and fitness, as well as, recreation, and character development. All course work is designed to provide students with knowledge and experiences that will allow them to value and participate in physical activity throughout life. God created the amazing human body and we are called to be good stewards of His wonderful gift.

PLHS Graduation Requirements: Students are required to complete two years (units) of Physical Education (15 units) & Health (5 units).

College Requirements: None

PHYSICAL EDUCATION DEPARTMENT FLOW CHART

FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
-----------------	------------------	---------------	---------------

Physical Education Health Education (required)	Physical Education	Physical Education	Physical Education
--	--------------------	--------------------	--------------------

PHYSICAL EDUCATION

Grades 9-12

(5/10 units)

This elective class is offered as a year-long or semester course and satisfies the P.E. high school graduation requirements. Students in this course exercise their bodies in glory to God playing a number of different sports and activities including: basketball, soccer, Frisbee golf, fitness training, etc.

PREREQUISITE: None

HEALTH EDUCATION

Grade 9

(5 units -required)

The emphasis is on wellness and a positive life style. In addition, studies will include units on personal identity, personality types, human sexuality, relationships and family roles, alcohol, tobacco, drugs, nutrition, and sexually transmitted diseases (STD's).

PREREQUISITE: None

RELEVANT STANDARD: California Content Standards, Health Education

THEOLOGY DIVISION

THEOLOGY COURSE DESCRIPTIONS

The purpose of Pacific Lutheran High School's Theology Department is to help students learn the Gospel message of salvation, grow in the depth of their understanding of biblical Christianity, and apply that understanding in their love toward others. Theology teachers at Pacific Lutheran High School teach in accord with the interpretation of the Bible as found in the Book of Concord and "The Brief Statement of 1932" of the LCMS (Lutheran Church Missouri Synod).

Throughout the following courses, students will study and memorize Scripture to assist them in hiding God's Word in their hearts and to empower them to become Biblically literate.

PLHS Graduation Requirements: Students are required to successfully complete four years of Theology coursework (or the Theology course for each respective year enrolled at PLHS).

College Requirements: Theology courses may satisfy electives for various colleges; however, please note that these courses are not UC approved as a "g" Elective course.

THEOLOGY DEPARTMENT FLOW CHART

FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
Theology 9-10	Theology 9-10	Theology 11	Theology 12

THEOLOGY 9-10

Grade 9-10

(10 units)

Theology 9-10 is designed as an introductory-level theology course for students with or without a basic knowledge of the essentials of Christianity. This course will cover basic biblical terminology, equip students with the tools needed to understand the Bible, and familiarize students with the major themes and motifs of the Bible (i.e., God (His character and Grace), the Ten Commandments (the Law), Jesus (Gospel), justification, sanctification, etc.).

The student who satisfactorily completes the requirements of this course additionally: (1) learns of our sinful human condition and God's saving Grace for him/her in Jesus; (2) reviews the Bible and its origin; (3) learns how God has worked in the lives of persons in the Bible (such as Adam, Eve, Noah, Jacob, Esther, Ruth, Gideon, Solomon, the twelve disciples, and others); (4) learns how God has worked in other Christians' lives throughout church history; (5) has the opportunity to ask questions and have them addressed in class.

PREREQUISITE: None

RELEVANT STANDARD: Bible, Book of Concord and LCMS Brief Statement of 1932

THEOLOGY 11

Grade 11

(10 units)

Theology 11 will study the four Gospels (Matthew, Mark, Luke, and John), The Acts of the Apostles, and Bible study lessons to discover the promises of God as they apply to our lives and the joy of living a Christian life. Topics to be discussed include: an overview of the historical setting for the writing of the four Gospels and the Acts of the Apostles, the purpose of each author in writing his book, the intended audience, and the historical context. Doctrine and life applications will also be discussed as they relate to each of these writings.

PREREQUISITE: None

RELEVANT STANDARD: Bible, Book of Concord and LCMS Brief Statement of 1932

THEOLOGY 12

Grade 12

(10 units)

Theology 12 is designed as a culminating course for students which will use the previously laid foundation from Theology 9, 10, and 11. This course will review basic biblical terminology, further equip students with the tools needed to understand the Bible, and enable students to leave Pacific Lutheran High School prepared to serve their Lord in the years to come. Specific time and focus will be used to study key Christian doctrine, address contemporary moral problems, analyze arguments used against the Christian faith by non-Christians, and utilize/learn answers to these objections found in Christian Apologetics.

PREREQUISITE: Theology 9, 10, 11 and / or instructor approval.

RELEVANT STANDARD: Bible, Book of Concord and LCMS Brief Statement of 1932

OTHER ELECTIVES

PSYCHOLOGY

Grades 10-12

(10 units)

pending UC approval course ("g")

This course explores the basic psychological concepts of human and animal behavior in such areas as learning motivation, perception, growth and development, personality, and social behavior. Important historical psychological theories will be introduced and analyzed. The course is academically challenging, designed for advanced college-bound students.

PREREQUISITE: None

RELEVANT STANDARD: American Psychological Association Standards for high school.

TECHNOLOGY

Grades 11-12

(10 units)

Technology enables students to develop the skills necessary for the 21st century workplace. Students will develop skills in several areas: Basic Operations, Word Processing/Desktop Publishing, Databases, Spreadsheets, Internet, Networking, Online Communication, Multimedia, Web Authoring, Ethics, Society, Health and Safety, Research, Problem Solving, and Communication. Instruction according to these standards will support students' learning and prepare them for college and the work force. By completing this course, students will develop an appreciation of technology which can be used in their lifelong-learning.

PREREQUISITE: None

RELEVANT STANDARD: Pacific Lutheran High School Technology Standards (Adopted from Massachusetts Department of Education Technology Standards)

T.A. (School Office)

Grades 11-12

An office assistant works in the office one period per day assisting the office personnel in attendance, duplicating, filing, assembly, and the like. Under normal conditions, this is not a study period, although at times some studying may be done. Applications should be made through the counselor, and approval must be given by the Principal. Credit is earned at the semester.

PREREQUISITE: None

T.A. (Faculty)

Grades 10-12

A Teacher's Aide is assigned for one period and works under a teacher supervision according to a job description that may include assisting groups and individuals in research, tutoring during class time, distributing supplies, clean up, typing class materials, preparing audio-visual aids and bulletin boards, and meeting regularly with the teacher to coordinate the tasks. It does not include taking attendance, grading, teaching a class, or being responsible for class behavior.

PREREQUISITE: None

STUDY HALL

(no credit)

**Grades 9-12
Offered On Campus Only**

A study hall setting is provided for Periods 1-7. It is conducted under the leadership of experienced personnel under conditions conducive for studying.

ADDITIONAL ACADEMIC SERVICES

Academic Advisor, Ms. Mary Flett MA,

Counseling and College Planning

The Counseling and College Planning Department at Pacific Lutheran High School is an integral part of our total educational program. We are committed to providing guidance and support for our students so that they can achieve optimal personal growth, acquire positive social skills and values, set appropriate college and career goals, and realize full academic potential to become productive, Christ-centered members of the local and global communities. Recognizing that our adolescents live in an exciting time with an increasingly diverse and mobile society, new technologies, and expanding opportunities, our comprehensive counseling department is committed to addressing the challenges that impact academic achievement. Specifically, the PLHS counseling department offers a comprehensive, developmental, and systematic counseling program by providing *academic guidance, personal/social/spiritual counseling, and college & career planning.*

Pacific Lutheran High School is committed to providing students the support they need to choose a college or university that best fits them spiritually, academically, socially, and creatively. The Counseling and College Planning department is available to students and parents in several ways including:

- Assist students with the college decision-making process, including individual counseling sessions to help students find the college or university that is right for them.
- Counsel students regarding relevant testing (SAT, ACT, SAT Subject Matter) procedures & dates and provide practice test opportunities.
- Provide Informational Seminars relevant to college preparation.
- Connect students to college representatives.
- Facilitate assessments for college and career planning purposes.

Pacific Lutheran High School Academic Intervention Program

Pacific Lutheran High School is a college-preparatory high school in its scope and focus. While this does not mean that every PLHS student will leave high school to attend a four-year university, the school does expect students to perform to the best of their God-given ability each school year and have college as an opportunity in their future. As such, Pacific Lutheran High School courses has been evaluated both by

WASC and the UC system in regards to our courses offered, competency of teachers, homework assignments given to students, etc. and been approved/accredited where needed. In addition to the core curriculum, PLHS offers small class sizes, online grading, and frequent teacher/student interaction to do our part in educating all students and preparing them for college. It is a reasonable goal for all students that they have at least a 2.0 grade point average with no failing grades at any point during the school year. Students who fall below these minimum expectations found above will require intervention. Pacific Lutheran High School's Academic Intervention Program consists of three levels which are summarized below. Students will generally begin at Level I and move "down" the list, but students can skip interventions where school administration deems it appropriate.

Level I (Initial Struggles)

- 1) Conference between Ms. Flett and student.
 - a) Review Test Scores
 - b) Review Current Grades
 - c) Review IEP
- 2) Prescription(s)*
 - a) Organization
 - b) Study Skills Strategies
 - c) Student created Improvement Plan – Signed by Parent and Student
 - i) Clear expectations for improvement established.
 - ii) Timeline for improvement established.

Level II - (Continued Struggles)

- 1) Conference with Student / Parent / Ms. Flett
 - a) Review testing
 - b) Review Current Grades
 - c) Discuss Intervention Strategies
 - iii) Modification in study environment at home
- 3) Prescription(s)
 - a) School-Created Improvement Plan – Signed
 - i) Clear expectations for improvement identified
 - ii) Timeline for improvement established.
 - b) Students attend school for full day on half-day Fridays.
 - c) Suspension from school athletics
 - d) Mandatory Study Hall Monday-Thursday

Level III – (Continued Inability to Meet School Expectations)

- 1) Conference with Student, Parent, Ms. Flett and Mr. Fitzgerald

Prescription(s)

1. Parent Ideas
2. School Consequences
 - i) Study Hall
 - ii) Probation
3. Mandatory school on half-day Fridays
4. Mandatory after school study hall
5. Half-Day Schedule for student (take classes at PLHS for periods 1-4)

*Not all Prescriptions will be utilized for each child. Situations will vary on a case by case basis which works best for students' individual situations.

Admissions Policy – Students with special needs are admitted to Pacific Lutheran High School on a case-by-case basis. Pacific Lutheran High School teachers make sensible accommodations for students with special needs including but not limited to ADD, ADHS, physical limitations and any other factor impeding student learning of course material. Reasonable accommodations are made by teachers including but not limited to additional testing time, modified assignments, modified seating arrangements, individual tutoring, differentiated instruction, etc.

Staff Meetings provide opportunities for teachers/administration to compare notes and strategies for students with IEP's or other modified learning plans.

English Intervention Course

Pacific Lutheran offers an English/Reading Intervention course for students demonstrating significantly below-average English/Reading skills. Placement in this course is based upon standardized testing (ITED and PSAT) in conjunction with poor performance in coursework. Pacific Lutheran High School utilizes Accelerated Reader from Renaissance Learning to build students' skills and intervene on students' behalf.

NOTES