

BIOL 323 (if B.S. in Chemistry, with Biochemistry Emphasis)	PHYS 153, 163
Two additional courses	GUR elective(s)

THIRD YEAR

<i>Fall Term</i>	<i>Spring Term</i>
CHEM 341, 343	CHEM 342, 344
PHYS 154, 164	CHEM 320, if not taken in second year
GUR elective(s)	GUR elective(s)
Elective	Elective

FOURTH YEAR

<i>Fall Semester</i>	<i>Spring Semester</i>
CHEM 403, 499	CHEM 405 (for Biochemistry Emphasis), 420, 499
Electives	Electives

Alternate Year Advanced Courses

In the third or fourth year, B.S. students enroll in CHEM 450 (required for all ACS Certification options) and either 440, 456 (or 405 in Spring Term after 403).

Refer to the Division of Natural Sciences section of this catalog for other beginning curriculum options. See page 85.

Students interested in the Bachelor of Science with Biochemistry Emphasis should start biology in the fall of the first or second year. Physics should be started in either the first or the second year, so as to prepare students for upper-division chemistry courses.

Departmental Honors

In recognition of outstanding work the designation of Departmental Honors may be granted to Bachelor of Science graduates by vote of the faculty of the chemistry department, based on the student's performance in the following areas:

- **Course Work:** A minimum 3.50 grade point average in all chemistry courses.
- **Written Work:** At time of declaration of the chemistry major, all copies of outstanding work (e.g., laboratory, seminar and research projects) need to be maintained by the student for later faculty evaluation for departmental honors.
- **Oral Communication:** Students must evidence ability to communicate effectively as indicated by the sum of their participation in class discussion, seminars, help session leadership, and teaching assistantship work.
- **Independent chemistry-related activities:** Positive considerations include the extent and quality of extracurricular work done in background reading, independent study, and research; assisting in laboratory preparation, teaching, or advising; any other chemistry-related employment, on campus or elsewhere; and participation in campus and professional chemistry-related organizations.

The departmental honors designation will appear on the transcript of a student graduating with a chemistry major.

BACHELOR OF ARTS IN EDUCATION

Students interested in a high school chemistry teaching endorsement should plan to complete a B.A. or B.S. in Chemistry. The degree program is developed through the chemistry department in conjunction with the Department of Instructional Development and Leadership. See page 69 for details.

CHEMICAL ENGINEERING

Students interested in pursuing studies in chemical engineering should see the course outline in the Engineering Dual-Degree section of this catalog. The department chair should be consulted for assignment of a program advisor.

MINOR**22 semester hours**

- CHEM 115, 116
- CHEM 320, 331, 332, 333, 334 (or 336) completed with grades of C or higher.

Prerequisite and co-requisite requirements are strictly enforced.

To view Chemistry (CHEM) courses, see the PLU Directory of Approved Courses beginning on page 161.

Chinese

To view curriculum requirements, please go to Department of Languages & Literature, page 75.

To view Chinese Language (CHIN) courses, go to the PLU Directory of Approved Courses, page 163.

Chinese Studies Program

253.535.7216
www.plu.edu/~csp
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The Chinese Studies program is an interdisciplinary program which is designed to provide students interested in China a broad foundation in Chinese language, culture, and history, and an opportunity to focus on the cultural-philosophical world view and the economic and business structure of China. The program requires that major and minor students complete coursework in at least three different disciplines: Chinese language, history, and anthropology, with optional work in political science, the arts, religion, business, and other disciplines.

Students are strongly encouraged to participate in the university's China exchange programs (currently at Sichuan University) and may request that credits earned through these programs be counted toward the major or minor. With the approval of the program director, selected January-term, summer, and experimental courses may be included in the major or minor.

Faculty: A committee of faculty administers this program: Manfredi, Chair; Barnowe, Byrnes, Cathcart, Dwyer-Shick, Guldin, Li, Youtz. Mr. Sidney Rittenberg serves as honorary advisor.

BACHELOR OF ARTS MAJOR**32 semester hours (24 required, eight elective)**

Students must take at least one Chinese history course.

- **Required Courses:** 24 semester hours
 ANTH 343: East Asian Cultures
 CHIN 201: Intermediate Chinese
 CHIN 202: Intermediate Chinese
 HIST 339: Revolutionary China
 RELI 233: Religions of China
 CHSP 499: Capstone: Senior Project
- **Electives: Eight semester hours**
 ANTH 345: Contemporary China
 BUSA 352: Global Management*
 CHSP 271: China Through Film
 CHSP 287: Selected Topics in Chinese Studies
 CHSP 250: Urban Culture in China
 CHSP 350: Chinese Culture and Society
 CHIN 301: Composition and Conversation
 CHIN 302: Composition and Conversation
 CHIN 371: Chinese Literature in Translation
 HIST 232: Tibet in Fact and Fiction
 HIST 338: Modern China
 HIST 496: Seminar: The Third World (a/y on China)**
 MUSI 105: The Arts of China
 POLS 381: Comparative Legal Systems

MINOR**20 semester hours (eight required, 12 elective)**

- **Required Courses:**
Eight semester hours in Chinese language
 CHIN 101: Elementary Chinese
 CHIN 102: Elementary Chinese (or one equivalent year of university-level Chinese, upon approval of the program chair)
- **Electives**
12 semester hours from at least two additional departments

 ANTH 345: Contemporary China
 CHIN 371: Chinese Literature in Translation
 CHIN 271: China Through Film
 CHSP 287: Selected Topics in Chinese Studies
 CHSP 250: Urban Culture in China
 CHSP 350 Chinese Culture and Society
 HIST 339: Revolutionary China
 MUSI 339: The Arts of China
 RELI 233: Religions of China

*These courses may count for program credits only when the student's course project is focused on China and is approved by the program chair.

** History 496 may be counted toward program requirements only when it focuses specifically on China.

To view Chinese Studies (CHSP) courses, see the PLU Directory of Approved Courses beginning on page 163.

Classics

253.535.7219

www.plu.edu/~lang/classics.html

Classics—the study of the culture, history, languages, and enduring legacy of the greco-Roman world—is the original interdisciplinary study. Classical roots and influences intertwine with the humanities, arts, social and natural sciences from antiquity to the present. Like Socrates, who held that “the unexamined life is not worth living,” we invite you to explore these connections and, as the greek maxim goes, to “know thyself” as a prerequisite to a life of thoughtful inquiry, leadership, service, and care.

The Classical Studies major requires the completion of 40 semester hours (plus four hours in CLAS 499) including at least one year of one of the classical languages (Greek and Latin) and two of the other. The remaining courses are selected from the list below in consultation with the program coordinator. The Classical Languages major requires 40 semester hours in the classical languages, plus four hours in CLAS 499.

Classics Committee: Snee, *Coordinator*; Batten, Jansen, McKenna, E. Nelson, Oakman.

CLASSICAL STUDIES MAJOR**40 semester hours, plus four hours in CLAS 499**

- **Languages**
 LATN 101, 102: Elementary Latin
 LATN 201, 202: Intermediate Latin
 GREK 101, 102: Elementary Greek
 GREK 201, 202: Intermediate Greek
- **Non-Languages**
 ARTD 180: History of Western Art I
 CLAS 231: Masterpieces of European Literature
 CLAS 350: Classical and Comparative Mythology
 CLAS 321: Greek Civilization
 CLAS 322: Roman Civilization
 PHIL 331: Ancient Philosophy
 RELI 211: Religion & Literature of the Old Testament
 RELI 212: Religion & Literature of the New Testament
 RELI 220: Early Christianity
 RELI 330: Old Testament Studies
 RELI 331: New Testament Studies

 An approved course in Natural Sciences Area
 Independent Study Courses
 Selected January Term Courses

CLASSICAL LANGUAGES MAJOR**40 semester hours in classical languages, plus four hours in CLAS 499**

Students are expected to become familiar with the reading list for that part of the program (art, literature, history, philosophy, or religion) in which their interest lies.

The program is designed to be flexible. In consultation with the Classics Committee, a student may elect a course(s) not on the classics curriculum list.

Chinese (CHIN)

CHIN 101, 102: Elementary Chinese

Introduction to Mandarin Chinese. Basic skills in listening, speaking, reading and writing. Laboratory practice required. (4, 4)

CHIN 201, 202: Intermediate Chinese – C

Develops further the ability to communicate in Mandarin Chinese, using culturally authentic material. Laboratory practice required. **Prerequisite:** CHIN 102 or equivalent. (4, 4)

CHIN 271: China Through Film – AR, C

An exploration of the history and recent directions of Chinese cinema, the relationship between film and other Chinese media, film, and the Chinese government, and the particular appeal of Chinese film on the international market. No prior study of Chinese required. Cross-listed with THEA 271. (4)

CHIN 301, 302: Composition and Conversation – C

Review of grammar with emphasis on idiomatic usage; reading of contemporary authors as models of style; and conversation on topics of student interest. Conducted in Chinese. **Prerequisite:** CHIN 202. (4)

CHIN 371: Chinese Literature in Translation – C, LT

An introduction to the most important works and writers of Chinese literary traditions, from early times to the modern period. Poetry, prose, drama, and fiction included. Film presentations supplement the required readings. No knowledge of Chinese required. (4)



Chinese Studies (CHSP)

CHSP 250: Urban Culture in China - C

Explores first hand the dynamic and rapidly transforming cultural life of four major Chinese cities: Beijing, Shanghai, Guangzhou, and Hong Kong. Our explorations will be carried out through face-to-face meetings with contemporary artists and writers, as well as visits to culturally significant sites that form the background and context for artistic expression in China today. The urban focus will foreground tensions within China's major cities between global and local forces, and the ways in which those tensions are profitably transformed into contemporary art of all kinds. (4)

CHSP 350: Chinese Culture and Society

This course will draw together the existing experiential components of the semester abroad program in Chengdu - orientation, service learning and the study tour - and focus them on the topic of an individual research project. The primary methodology of this project will be interviews with individuals in China, along with analysis of various Chinese media. (4)

CHSP 499: Capstone: Senior Project – SR

A project, thesis, or internship which demonstrates competence in language and other dimensions of Chinese Studies. Must be approved in advance by chair of the Chinese Studies Program; tally card required. Upon prior application of the student, seminars in other departments or programs may substitute for this course. (4)

