

**PRIVATE MUSIC LESSONS**

Special fee in addition to tuition

- **One semester hour**

Fall and Spring Semesters: One half-hour private lesson per week (12 weeks) in addition to daily practice. January: Two 45-minute lessons per week in addition to daily practice. Summer: Six hours of instruction to be announced in addition to daily practice. Students in piano, voice, and guitar may be assigned to class instruction at the discretion of the music faculty.

- **Two semester hours**

Fall and Spring Semesters: Two half-hour lessons per week (12 weeks) in addition to daily practice. Summer: 12 hours of instruction to be announced in addition to daily practice.

- **Three or four semester hours**

By permission of department only.

To view Music (MUSI) courses, go to the PLU Directory of Approved Courses on page 194.

## Natural Sciences, Division of

253.535.7560

[www.nsci.plu.edu](http://www.nsci.plu.edu)

[nsci@plu.edu](mailto:nsci@plu.edu)

The Division of Natural Sciences fulfills a two-fold purpose, preparing its majors for careers as science professionals and providing all students the grounding in the scientific awareness vital for being a citizen in the modern world and participating in a democracy.

To meet the first purpose, the six departments in the division offer rigorous programs in biology, chemistry, geosciences, physics, mathematics, and computer science and computer engineering. Inquiry-based learning is emphasized in laboratories, research courses, and capstone projects. The division-wide undergraduate research program supports one-on-one investigations with faculty in which students are immersed in all aspects of actually “doing” science.

To meet the second purpose, both major and non-major courses address the basic philosophy and methodologies of science. This encourages an awareness of the limitations of science as well as an appreciation for its benefits. Courses also attempt to place science and technology in its larger socio-cultural context, connecting developments in one discipline with those in another and with influences outside the sciences.

Regardless of their major, students will find in the Natural Sciences Division a faculty devoted to teaching. Opportunities for close interactions abound, and the development of the whole person is a central concern.

**Faculty:** Alexander, *Dean*; faculty members of the Departments of Biology, Chemistry, Computer Science and Computer Engineering, Geosciences, Mathematics, and Physics.

As a division within the College of Arts and Sciences, the Division of Natural Sciences offers major programs in each department leading to B.A. and B.S. degrees, minor programs, and core courses that fulfill general education elements. The departments provide supporting courses for interdisciplinary programs within the sciences and for other schools of the university. Courses for B.A. in Education degrees with majors and minors in the natural sciences are available; see the Education section of this catalog for specific degree requirements. See also the sections on Environmental Studies and on the Health Sciences (under Pre-Professional Programs) for related programs.

Descriptions of specific course offerings and degree requirements offered within the Natural Sciences are listed under:

Biology  
Chemistry  
Computer Science and Computer Engineering  
Geosciences  
Mathematics  
Physics

To view Natural Sciences (NSCI) courses, go to the PLU Directory of Approved Courses on page 199.

## Norwegian

To view curriculum and course requirements, please go to Department of Languages & Literature, Page 75.

To view Norwegian (NORW) courses, go to the PLU Directory of Approved Courses on page 199.

## Nursing, School of

253.535.7672

[www.plu.edu/~nurs](http://www.plu.edu/~nurs)

[nurs@plu.edu](mailto:nurs@plu.edu)

The School of Nursing is a professional school that combines nursing science with a strong foundation in natural sciences and the liberal arts. It prepares undergraduate students for generalist nursing practice; builds upon undergraduate educational experiences to prepare nurses for advanced practice in designated specialties; and responds to the education needs of practicing nurses to remain current, competent practitioners or to revise the focus of their practice.

The School exemplifies the university’s mission of educating for lives of service and care in an environment that encourages inquiry, diversity, lifelong learning and spirituality as vital elements in the human quest for wholeness. Nursing’s educational programs offer dynamic learning opportunities that challenge students to develop skills, attitudes, values, and roles which facilitate individuals, families, and communities to meet their health and wellness needs.

Degree programs within the School of Nursing include:

1. Bachelor of Science in Nursing for basic nursing students, licensed practical nurses and ADN-RNs;
2. Master of Science in Nursing program for B.S.N. prepared registered nurses;

## Natural Sciences (NSCI)

The following course is offered under Natural Sciences. Other courses suitable for satisfying general university requirements and GenEd program elements may be found in the listings for each of the departments in the division.

### NSCI 210: Natural History of Hawaii – NS, SM

The Hawaiian Islands are an active museum of geology and tropical island plant and animal life. The islands, the most isolated in the world, have native plants and animals—95 percent of which occur nowhere else. Students are expected to participate actively in daily lectures and fieldwork involving the geologic formation of Hawaii and its subsequent population by plants and animals, stressing the impact of human intervention. (4)

## Norwegian (NORW)

### NORW 101, 102: Elementary Norwegian

Basic skills in speaking, reading, listening and writing are introduced and practiced in an interactive classroom atmosphere. Readings introduce contemporary Norwegian culture and society. (4, 4)

### NORW 201, 202: Intermediate Norwegian – C

Continuing development of written and oral skills, with a review of basic grammar, development of short essay writing, an emphasis on conversation, and an introductory overview of Norwegian history and society. Readings also offer insights into contemporary culture and provide springboards for students to express their own opinions.

**Prerequisite:** NORW 102. (4, 4)

### NORW 301: Conversation and Composition – C

Review of grammar, and development of advanced written and oral skills. Contemporary fiction, non-fiction and film serve as models of style and usage, and as the basis for conversation and writing. **Prerequisite:** NORW 202. (4)

### NORW 302: Advanced Conversation and Composition – C

Emphasizes the finer points of grammar and stylistics, focusing on the production of advanced written compositions and further refinement of conversational skills. Readings are drawn from literature spanning the last two centuries, and serve as the springboard for discussion. **Prerequisite:** NORW 301. (4)

### NORW 499: Capstone: Senior Project – SR (4)

## Nursing (NURS) Undergraduate

*All courses unless otherwise specified, are open only to accepted nursing students.*

### NURS 100: Medical Terminology

Provides sound basis for individuals in health care to learn important words, their origins, derivatives, and abbreviations. Focuses on utilization of terms as applied to anatomical, physiological, and pharmacological topics. Pronunciation of terms emphasized. Knowledge from this course can be applied to any health care profession. Open to non-nursing majors, required for Health Services minor. (1 or 2)

### NURS 220: Competencies I

Focuses on the core knowledge and competencies of therapeutic communication, and technical skills associated with health management. **Prerequisite:** Admission to the School of Nursing. (4)

### NURS 260: Professional Foundations I

Focuses on nursing as a profession and discipline. The nursing process is introduced as a framework for critical thinking and caring. Open to non-nursing students with permission of instructor. **Prerequisite:** NURS 220. (4)

### NURS 270: Health Assessment and Promotion

Focuses on the core knowledge and competencies necessary to perform health assessments and promote health across the life span. **Prerequisites:** Prior or concurrent with NURS 260 and 280. (4)

### NURS 280: Human Pathological Processes

Focuses on human responses to major forms of pathophysiology. **Prerequisite for majors:** BIOL 201, 206 and CHEM 105. Non-majors must receive permission from the instructor. (4)

### NURS 320: Competencies II

Focuses on the core knowledge and competencies of advanced technical skills associated with health management. **Prerequisites:** NURS 260, 270, 280, achievement of Junior I status. (2)

### NURS 330: Pharmacology and Therapeutic Modalities for Nursing

Focuses on pharmacological principles of major drug classifications, therapeutic modalities, and alternatives to pharmacological interventions. **Prerequisite for majors:** NURS 280, achievement of Junior I status. Non-majors must receive permission from the instructor. (4)

### NURS 340: Nursing Situations with Individuals: Adult Health I

Focuses on the core knowledge and competencies necessary to apply the nursing process to situations with individuals experiencing selected alterations in health. **Prerequisites:** Prior or concurrent enrollment in NURS 320 and 330, achievement of Junior I status. (4)

