

struction. There is no military commitment for non-scholarship students in the basic course.

The advanced course consists of additional academic instruction and physical conditioning plus a four-week advanced summer training at the Leader Development and Assessment Course (LDAC) at Fort Lewis, Washington. Students are furnished with uniforms and selected textbooks for military science courses.

Note: A maximum of 24 semester hours earned in ROTC programs may be applied toward a baccalaureate degree at PLU.

Students receiving more than 12 semester hours of ROTC credit toward a PLU degree are required to take one of the following:

- HIST 231: World War Two in China and Japan, 1931-1945 (4)
- HIST 329: Europe and the World Wars, 1914-1945 (4)
- HIST 352: The American Revolution (4)
- HIST 356: American Diplomatic History (4)
- HIST 381: The Vietnam War and American Society (4)
- PHIL 125: Ethics and the Good Life (4)
- PHIL 353: ST: Focus on Military Ethics or War (4)
- RELI 365: Christian Moral Issues (4)

To view Military Science (MILS) courses, go to the PLU Directory of Approved Courses on page 194.

THEOLOGICAL STUDIES

Students intending to attend seminary should complete the requirements for the Bachelor of Arts degree. Besides the general degree requirements, the Association of Theological Schools recommends the following:

English: literature, composition, speech, and related studies. At least six semester-long courses.

History: ancient, modern European, and American. At least three semester-long courses.

Philosophy: orientation in history, content, and methods. At least three semester-long courses.

Natural Sciences: preferably physics, chemistry, and biology. At least two semester-long courses.

Social Sciences: psychology, sociology, economics, political science, and education. At least six semesters, including at least one semester of psychology.

Foreign Languages - one or more of the following: Latin, Greek, Hebrew, German, French. Students who anticipate postgraduate studies are urged to undertake these disciplines as early as possible (at least four semesters).

Religion: a thorough knowledge of Biblical content together with an introduction to major religious traditions and theological problems in the context of the principal aspects of human culture as outlined above. At least three semester-long courses. Students may well seek counsel from the seminary of their choice.

Of the possible majors, English, philosophy, religion and the social sciences are regarded as the most desirable. Other areas are, however, accepted.

A faculty advisor will assist students in the selection of courses necessary to meet the requirements of the theological school of their choice. Consult the Religion Department chair for further information.

Psychology

253.535.7294

www.plu.edu/psychology

psyc@plu.edu

Psychology is a scientific discipline that seeks to understand human and nonhuman behavior. Psychology is also a profession that seeks to change behavior for the betterment of humankind. Through its curriculum, research activities, and use of community resources, the Department of Psychology provides students with a balanced exposure to psychology as a scientific discipline and profession.

The major in psychology (a) introduces students to scientific methods of psychology, to theories and research findings from the core areas of psychology, and to the history of psychology; (b) provides students with opportunities to explore advanced topics in scientific and professional psychology, conduct psychological research, and gain exposure to the practice of psychology in community settings; and (c) helps prepare students for postgraduate work in psychology or in related professions, such as social work, education, medicine, law, and business. The major is an excellent general preparation for employment in a variety of settings.

The psychology program is designed to meet the needs of a variety of students. To this end, two degrees are offered: the Bachelor of Arts and the Bachelor of Science. Either degree provides a solid foundation in psychology, and either can serve as preparation for postgraduate study or employment. However, for those students who intend to pursue the doctorate in psychology following graduation from PLU, the Bachelor of Science degree is likely to provide an especially strong preparation. The Bachelor of Science degree is also an excellent pre-professional degree for those students who plan to enter the fields of dentistry, medicine (all branches, including psychiatry), public health, or veterinary medicine. Many in business, education, nursing, and social work find a double major with psychology to be a valuable addition to their training.

Faculty: Shore, *Chair*; Anderson, Ceynar, Graham, Grahe, Hansvick, Moon, Moritsugu, Taylor, Toyokawa.

BACHELOR OF ARTS MAJOR

38 credit hours in psychology including:

PSYC 101, 242, 499

One of PSYC 310, 320, or 330

One of PSYC 440, 442, 446 or 448

At least two semester hours from PSYC 495, 496, or 497

16 semester hours of elective psychology courses

STAT 232 (psychology class) and accompanying lab are required.

BACHELOR OF SCIENCE MAJOR**40 semester hours in psychology including:**

PSYC 101, 242, 499
 One of PSYC 310, 320, 330
 Two of PSYC 440, 442, 446, 448
 One lab section selected from PSYC 441, 443, 447, 449
 At least two semester hours from PSYC 495, 496, or 497
 12 semester hours of elective psychology courses
 STAT 232 (psychology class) and accompanying lab
 20 semester hours in mathematics and natural science are required. Of the 20 hours, at least four semester hours must be in mathematics and at least eight semester hours in biology.

Those students who, after graduating from PLU, plan to enter schools of dentistry, medicine, public health, or veterinary medicine should note the specific pre-professional mathematics and science requirements in the appropriate sections of this catalog.

MINOR**20 semester hours, of which:**

At least 12 semester hours must be taken in residence. If a statistics course is used as part of the 20-hour requirement, then it must be STAT 232 (psychology class) taught by a member of the psychology department.

The minor in psychology is designed to supplement another major in the liberal arts or a degree program in a professional school, such as business, education, or nursing.

PSYC 110, 111, 113, and 213 do not count toward the majors or minors.

Course Prerequisites

A grade of C- or higher must have been earned in a course in order for it to qualify as a prerequisite and to apply towards the major.

Experiential Learning

All Psychology majors are required to take a minimum of two semester hours of PSYC 495, 496 or 497.

Capstone

Psychology majors are required to complete a capstone project and present this project as part of PSYC 499 at the Psychology Research Conference held every term.

To view Psychology (PSYC) courses, go to the PLU Directory of Approved Courses on page 209.

Publishing and Printing Arts

253.535.7241
www.plu.edu/~ppa

For more than 30 years Pacific Lutheran University's Department of English has offered a way to help students

translate a love of books into an exciting professional career in publishing. The distinctive interdisciplinary curriculum in Publishing and Printing Arts (PPA) is highly respected by employers because it combines pre-professional skills and experience with the solid foundation of a liberal arts education. This six-course minor is designed to give students with talents and interests in writing, graphic design, communications, or business a head start into the world of publishing and a broad variety of related professions.

The PPA program readily complements majors concerned with language and the written word, such as English, languages, education, public relations, journalism, marketing, and graphic design. But students majoring in a wide spectrum of disciplines—from biology to music to anthropology—have discovered the value of a PPA minor, too. It both helps to connect them to publishing career opportunities in those fields and provides a richer understanding of the complex roles that written communications of all sorts play in our lives and in our modern world.

Faculty: S. Robinson, *Director*.

PUBLISHING AND PRINTING ARTS MINOR

- **Three core courses are required**
12 semester hours

ENGL 311/COMA 321: The Book in Society
 ENGL 312/COMA 322: Publishing Procedures
 ENGL 313/ARTD 331: The Art of the Book I

In addition to the above 12 semester hour core, students take three elective courses (12 semester hours) selected from at least two of the following categories:

- **Writing/Editing**

All English writing courses beyond WRIT101, including ENGL 403

Approved courses in Communication: COMA 213, 230, 270, 311, 320, 323, 329, 360, 420

- **Marketing/Management**

Approved courses in Business: BUSA 203, 308, 309, 310, 363, 365, 378, 467, 468 **or** in Communication: COMA 361, 421, 422, 461

- **Design/Production**

Approved courses in Art:
 ARTD 226, 326, 370, 396, 398, 426, 470, 496
 ENGL 314 or COMA 325, 327, 424, 462

Up to two courses (eight semester hours) can be counted toward both a PPA minor and other requirements, such as general university requirements, another minor, or a major.

To earn a minor in Publishing and Printing Arts, students must acquire practical experience in publishing-related work outside the classroom.

Psychology (PSYC)

PSYC 101: Introduction to Psychology – S2, SO

An introduction to the scientific study of behavior and mental processes. Topics include learning, memory, perception, thinking, development, emotion, personality, mental illness, and social behavior. (4)

PSYC 110: Study Skills

Effective techniques for college study. Note-making, study methods, examination skills, time management, educational planning. Class work supplemented by individual counseling. Does not meet general university requirements or psychology major or minor requirements. (1)

PSYC 113: Career and Educational Planning: Finding Your Way

Personal decision-making process applied to career and educational choices, self-assessment, exploration of the world of work, educational planning, reality testing, and building career-related experience. Does not meet general university requirements or psychology major or minor requirements. (1)

PSYC 213: Transitions: Life After College

This is a course designed for juniors and seniors. Students will explore life and work after college, specifically career opportunities, graduate school options, cover letters, resume writing, interviews, and job search techniques. This course does not meet general university requirements or psychology major or minor requirements. (1)

PSYC 221: The Psychology of Adjustment

Problems in personal adjustment to everyday issues. Exploration of possible coping solutions. **Prerequisite:** PSYC 101. (2)

PSYC 242: Advanced Statistics and Research Design

A continuation of Statistics 231 and accompanying lab taught by members of the psychology department. Topics include single- and multi-factor experimental designs and analysis of variance, multiple regression, quasi-experiments, surveys, and non-parametric statistical techniques. Students will learn to use computer programs to carry out statistical analysis and will have the opportunity to design and conduct their own research study. Lecture and laboratory. **Prerequisite:** STAT 232 and accompanying lab taught by members of the psychology department. (4)

PSYC 310: Personality Theories

Strategies for the study of personality. Review of theories and research. Discussion of implications for counseling. **Prerequisite:** PSYC 101. (4)

PSYC 320: Development Across the Lifespan

Biological, cognitive, social, and emotional development from conception through adulthood to death. **Prerequisite:** PSYC 101. (4)

PSYC 330: Social Psychology

The study of how an individual's thoughts and behaviors are influenced by the presence of others. Research and theory

concerning topics such as person perception, attitudes, group processes, prejudice, aggression and helping behaviors are discussed. **Prerequisite:** PSYC 101. (4)

PSYC 335: Cultural Psychology

The study of the relation between culture and human behavior. Topics include cognition, language, intelligence, emotion, development, social behavior, and mental health. **Prerequisite:** PSYC 101. (4)

PSYC 345: Community Psychology

Intervention strategies that focus primarily on communities and social systems. Particular stress on alternatives to traditional clinical styles for promoting the well-being of communities and groups. **Prerequisite:** PSYC 101. (4)

PSYC 360: Psychology of Language

The study of language as a means of communication and structured human behavior. Topics include biological foundations of language, psycholinguistics, speech perception and production, sentence and discourse comprehension, nonverbal communication, language acquisition, bilingualism, language disorders. **Prerequisite:** PSYC 101. (4)

PSYC 370: Gender and Sexuality

Study of the social, biological and cultural factors that contribute to human sexuality and gender-related behavior. Topics include sexual identity, typical and atypical sexual behavior, reproduction, communication, intimate relationships, masculinity and femininity. **Prerequisite:** PSYC 101. (4)

PSYC 375: Psychology of Women – A

Exploration of psychological issues pertinent to women. Includes such topics as sex differences; psychological ramifications of menarche, child bearing, menopause, sexual harassment, and rape; women's experiences with work and achievement, love and sexuality, and psychological disorders. **Prerequisite:** PSYC 101. (4)

PSYC 380: Psychology of Work

Integrating career planning into the study of human behavior in work settings. Application and extension of psychological principles to the individual operating within an organization context - including measuring and facilitating job performance, worker motivation, human factors, and group processes. **Prerequisite:** PSYC 101. (4)

PSYC 385: Consumer Psychology

Social psychological principles applied to consumer attitude-formation and decision-making - e.g., perception of advertisements, influence of reference groups and opinion leaders, and learning effects upon repeat purchasing. Emphasis on audience, message, and media factors. **Prerequisite:** PSYC 101. (4)

PSYC 395: Research Laboratory

Experience in evaluating and conducting research in a designated area of psychology. May be offered from time to time as an elective to accompany various 300-level courses. **Prerequisite:** Consent of instructor. (2)

PSYC 401: Workshop

Selected topics in psychology as announced. (1–4)

PSYC 405: Workshop on Alternative Perspectives – A

Selected topics in psychology as announced which help fulfill the university requirement in alternative perspectives. (1 to 4)

PSYC 410: Psychological Testing

Survey of standardized tests; methods of development, standardization; limitations and interpretations of tests. **Prerequisites:** PSYC 101, STAT 232 or consent of instructor. (4)

PSYC 415: Abnormal Psychology

Models of psychopathology. Diagnosis and treatment of abnormal behaviors. **Prerequisites:** PSYC 101; STAT 232 or consent of instructor. (4)

PSYC 420: Adolescent Psychology

Physical development, mental traits, social characteristics, and interests of adolescents; adjustments in home, school, and community. **Prerequisite:** PSYC 320. (4)

PSYC 430: Peace Psychology

Theories and practices for development of sustainable societies through the prevention of destructive conflict and violence. Focus upon nonviolent management of conflict and pursuit of social justice by empowering individuals and building cultures of peace. **Prerequisite:** PSYC 330 or consent of instructor. (4)

PSYC 435: Theories and Methods of Counseling and Psychotherapy

Introduction to basic methods of counseling and psychotherapy, and examination of the theories from which these methods derive. **Prerequisites:** PSYC 310, 345, 410, or 415; or consent of instructor. (4)

PSYC 440: Human Neuropsychology

Study of the neuroanatomical and neurophysiological mechanisms of behavior and mental function. Topics include perception, voluntary action, spatial processing, language, memory, emotion, social behavior, and consciousness. **Prerequisite:** PSYC 101, 242. (4)

PSYC 441: Experimental Research Laboratory in Neuropsychology

Experiments and demonstrations related to neuropsychological phenomena. Emphasis on methodology in research on the brain and behavior. **Prerequisite:** PSYC 440 or concurrent enrollment in PSYC 440. (2)

PSYC 442: Learning: Research and Theory

A critical overview of the research data on human and animal learning, and of the theoretical attempts to understand those data. **Prerequisites:** PSYC 101, 242. (4)

PSYC 443: Experimental Research Laboratory in Learning

Experiments and demonstrations related to conditioning and learning in humans and animals. Emphasis on methodology in learning research. **Prerequisite:** PSYC 442 or concurrent enrollment in PSYC 442. (2)

PSYC 446: Perception

The study of our interactions with the physical world and the nature of our understanding of it. Includes such topics as color vision, dark adaptation, hearing music and speech, taste, smell, pain, and sensory physiology.

Prerequisites: PSYC 101, 242. (4)

PSYC 447: Experimental Research Laboratory in Perception

Experiments and demonstrations of perceptual events. Emphasis on methodology in perception research. **Prerequisites:** PSYC 446 or concurrent enrollment in PSYC 446. (2)

PSYC 448: Cognitive Psychology

The study of human thought. Topics include attention, perception, memory, knowledge and concept formation, language, problem-solving, and reasoning.

Prerequisites: PSYC 101, 242. (4)

PSYC 449: Experimental Research Laboratory in Cognition

Experiments and demonstrations related to human cognition. Emphasis on methodology in research on cognition.

Prerequisites: PSYC 448 or concurrent enrollment in PSYC 448. (2)

PSYC 483: Seminar

Selected topics in psychology as announced. **Prerequisite:** Consent of instructor. May be repeated for credit. (2–4)

PSYC 491: Independent Study

A supervised reading, field, or research project of special interest for advanced undergraduate students. **Prerequisite:** Consent of supervising faculty. (1-4)

PSYC 493: History and Systems of Psychology

Historical development, contemporary forms, and basic assumptions of the major psychological theories and traditions. **Prerequisites:** One of PSYC 440, 442, 446, or 448; and one of PSYC 310, 320, 330. (4)

PSYC 495: Internship

A practicum experience in the community in the clinical, social, and/or experimental areas. Classroom focus on case conceptualization and presentation. **Prerequisites:** Sophomore standing plus one course in psychology and consent of the department. (1–6)

PSYC 496: Research Practicum

Research experience under the direct supervision of a faculty member, students may design and/or conduct research in a designated area of psychology. May be repeated for up to 8 credits. **Prerequisites:** PSYC 101 or consent of instructor. (1-4)

PSYC 497: Teaching Apprenticeship

Teaching experience under the direct supervision of a faculty member. Course provides the opportunity to learn how to effectively communicate information, understand classroom management, and develop teaching skills. Students will serve as a teaching assistant for a psychology course. **Prerequisite:** Grade of B or better in class you will be a TA for, a minimum 3.0 overall G.P.A., junior standing at time the course is offered, consent of instructor. May be repeated for up to 4 credits. (1-4)

PSYC 499: Capstone Seminar – SR

Required for Psychology majors. Student will complete and present a project at an on-campus Psychology Research Conference held fall and spring terms. Students earning the B.S. degree must conduct empirical research projects whereas students earning the B.A. degree may choose nonempirical projects. The projects may emerge from ideas and experiences in an upper-division psychology course, advanced research activity, or in response to an internship completed by the student. **Prerequisites:** PSYC 242, senior standing, and permission of instructor. (4)

Recreation (RECR)

RECR 296: Teaching Methods: Recreation Activities

Learning to plan and implement a variety of recreational activities, including outdoor education.

Prerequisite: PHED 279. (2)

RECR 330: Programming and Leadership in Sport and Recreation

Examines the principles, procedures, techniques, and strategies essential to successfully program and lead experiences for diverse populations in sport, fitness, recreation and leisure service organizations. (4)

RECR 360: Professional Practicum

Students work under the supervision of a coach, teacher, recreation supervisor, or health care provider.

Prerequisite: Departmental approval. (1-2)

RECR 387: Special Topics in Recreation

Provides the opportunity for the exploration of current and relevant issues in the areas recreation studies. (1-4)

RECR 483: Management in Sport and Recreation

Examines the principles, procedures, techniques, and strategies essential to successfully manage human resources, finances and marketing in sport, fitness, recreation and leisure service organizations. (4)

RECR 491: Independent Studies

Prerequisite: Consent of the dean. (1-4)

RECR 495: Internship - SR

Pre-professional experiences closely related to student's career and academic interests. **Prerequisites:** Declaration of major, junior status, and a minimum of ten hours of RECR coursework (2-8)

RECR 499: Capstone: Senior Seminar – SR (2-4)

Religion (RELI)

RELI 121: The Christian Tradition – R2, RC

The study of selected theological questions and formulations examined in their social and historical contexts. (4)

RELI 131: The Religions of South Asia – C, R3, RG

Hinduism, Buddhism, Jainism, and Sikhism — their origins and development, expansion, and contemporary issues. (4)

RELI 132: The Religions of East Asia – C, R3, RG

Confucianism, Taoism, Chinese and Japanese Buddhism, Shinto, and the “new religions” of Japan — their origins, development, and contemporary issues. (4)

RELI 211: Religion and Literature of the Hebrew Bible – R1, RG

The literary, historical, and theological dimensions of the Old Testament, including perspectives on contemporary issues. (4)

RELI 212: Religion and Literature of the New Testament – R1, RC

The literary, historical, and theological dimensions of the New Testament, including perspectives on contemporary issues. (4)

RELI 220: Early Christianity – R2, RC

The origins, thought, and expansion of the Christian Church; the growth of Christian involvement in culture to the end of the papacy of Gregory I (604 CE). (4)

RELI 221: Medieval Christianity - R2, RC

A study of the ideas, practices, forms of community among Christians from 600-1350, with an emphasis on how they understood their relationship to God, each other, and the natural world. (4)

RELI 222: Modern Church History – R2, RC

Beginning with the Peace of Westphalia (1648), interaction of the Christian faith with modern politics, science, and philosophy; expansion in the world, modern movements. (4)

RELI 223: American Church History – R2, RC

Interaction of religious and social forces in American history, especially their impact on religious communities. (4)

RELI 224: The Lutheran Heritage – R2, RC

Lutheranism as a movement within the church catholic: its history, doctrine, and worship in the context of today's pluralistic and secular world. (4)

RELI 225: Faith and Spirituality – R2, RC

Reflection on Christian lifestyles, beliefs, and commitments. (4)

RELI 226: Christian Ethics – R2, RC

Introduction to the personal and social ethical dimensions of Christian life and thought with attention to primary theological positions and specific problem areas. (4)

RELI 227 (247, 257): Christian Theology – R2, RC

Survey of selected topics or movements in Christian theology designed to introduce the themes and methodologies of the discipline. RELI 247 for cross cultural GUR and RELI 257 for alternative perspective GUR. (4)

RELI 230: Religion and Culture – A, R3, RG

Explores the interrelation and interaction of religion and culture in a variety of world religious traditions. Incorporates recognized methodologies in academic religious studies. (4)