Gary Novak, Ph.D., Founding Dean
Margaret Hodge, Ed.D., Chair, Department of Nursing
Gina Pallotta, Ph.D., Chair, Department of Psychology
Margaret Tynan, Ph.D., Chair, Department of Social Work
Rita Asher, Ph.D., Program Director, Child Development
Jennifer Esterly, Ph.D., Director, Child Development Center
William Potter, Ph.D., Program Director, Graduate program in Psychology

In Spring 2006, California State University, Stanislaus created the College of Human and Health Sciences, composed of the departments of Nursing, Psychology, and Social Work. The College of Human and Health Sciences teaches students the basic and applied scientific principles of their chosen disciplines, preparing them to provide health and/or human services to individuals, families, groups and communities. CHHS endeavors to produce graduates who demonstrate the highest ethical standards in both research and practice and who exhibit sensitivity, altruism, autonomy, integrity, social justice, and competence in their practice with economically and culturally diverse populations.

Programs are listed alphabetically within the department that houses them. When a program is housed within the college but not assigned to a specific department, it is listed first.

Child Development Center

Jennifer Esterly, Ph.D., Director
Christina Wallace, B.A., Assistant Director

Office: Educational Services Building
Phone: (209) 667-3036

The Child Development Center is a laboratory preschool and infant toddler center where University students, young children, and their parents are empowered to construct knowledge about the world.

The California State University, Stanislaus Child Development Center (CDC) is an instructional facility established to teach university students about child development—theory and applications, program design and evaluation, and research. Students from varied disciplines such as child development, communication studies, education, music, and psychology participate at the CDC each semester. By participating in laboratory courses, students learn to observe children and record their behaviors, assess children’s development, plan and evaluate developmentally appropriate activities, and design and implement research projects.
The CDC offers 15 paid internships to CSU Stanislaus students. Interns earn academic credit each semester. CSU Stanislaus has the only child development laboratory in the CSU that employs students as head teachers, instructional aides, and administrators. As students complete coursework and gain experience, they compete for increasingly challenging positions. Interns at the CDC gain experience teaching young children, supervising college students, and sharing administrative duties. All college student participation at the Child Development Center is coordinated with university courses to provide supervised practicum experiences.

Fieldwork, laboratory and salaried experiences at the Child Development Center are applicable for California Child Development Permits and meet California Department of Social Services Community Child Care Division licensing requirements. For additional information regarding the internship program, contact Dr. Jennifer Esterly, Director.

Department of Nursing

Margaret Hodge, Ed.D., Chair

Professors: Clark, Hodge, Katsma
Assistant Professors: Acalana-Van Houten, Keswick, Marek, Martin, C., Perea-Ryan, Tavernier, Wikoff

Office: Demergasso-Bava Hall — DB 260
Phone: (209) 667-3141

Bachelor of Science in Nursing

Registered Nurse to Bachelor of Science in Nursing Track

Pre-licensure Track

The Department of Nursing offers the BSN program, which is accredited by the Commission on Collegiate Nursing Education (CCNE). The Pre-licensure track is approved by the California State Board of Registered Nursing. The department is a member of the American Association of Colleges of Nursing.

Bachelor of Science in Nursing

The Department of Nursing offers two tracks leading to a Bachelor of Science degree in Nursing: 1) the RN to BSN track and 2) the Pre-licensure or basic nursing track. The RN to BSN track, designed to meet the needs of working registered nurses, is offered on a part-time or full-time basis on the Turlock campus and on the Stockton campus for part-time students with a cohort of 15 students. The Pre-licensure track is offered only on a full-time basis on the Turlock campus.

Baccalaureate nursing education is an integration of liberal education including the arts and humanities, and the social, physical, and biological sciences. It prepares graduates to practice as professional nurses in all nursing care settings and to continue in graduate study.

RN to BSN Track Admission Requirements for Upper-Division Nursing Major

Students seeking to enter the program must have
1. A current license as a Registered Nurse in California,
2. Completed 60 semester units of baccalaureate-level transferable college credit,
3. Completed an AD or Diploma in nursing with a minimum of 30 semester units of nursing coursework, with a grade of C or better in each course,
4. Completed at least half of the University’s General Education breadth requirements, including college-level English composition, mathematics, and critical thinking, with a grade of C or better,
5. Completed an acceptable college-level chemistry course, equivalent to CHEM 1000, of at least 3 semester units with a grade of C or better,
6. Gained admission to the University with an overall grade point average of 2.0 or better, and
7. Gained admission to the Department of Nursing.

Registered nurses not in the nursing program may take NURS 3000, 3100, 3200, or 3600 with consent of instructor or department chair.

In addition to the 26 or 27 units in the nursing major, the Nursing Department will allow up to 15 upper division units of validated credit for equivalent nursing coursework completed in preparation for nursing licensure. Validation of these units will be allowed, by challenge, upon successful completion of: NURS 3100, Professional Nursing, NURS 3000 Health Assessment, and NURS 3600, Transcultural Nursing Care. See Nursing Department for validation process.

Requirements — RN to BSN Track

1. Complete University General Education requirements for the Bachelor of Science degree (51 units minimum including transferable General Education units).
2. Complete the major of 26 or 27 upper-division units. NURS 4240 must be taken CR/NC. All other courses must be taken for a letter grade.
3. Complete 9 upper-division units which meet the upper-division General Education requirements. Completion of a minor is not required.
4. All prerequisite courses to enter the Nursing program must be completed with a grade of C or better.

The Major — RN to BSN Track (26 or 27 units)

Note: Must be a registered nurse to take these courses.

Complete the following courses:
- NURS 3000 Health Assessment, 3 units*
- NURS 3100 Professional Nursing, 3 units
- NURS 3200 Pathophysiological Concepts Applied to Nursing, 3 units*
- NURS 3310 Nursing Leadership and Management (WP), 4 units
- NURS 3600 Transcultural Nursing Care, 3 units
- NURS 3700 Introduction to Nursing Research, 3 units
- NURS 4010 Issues Facing the Profession, 3 units
- NURS 4210 Advanced Clinical Nursing Practicum, 3 units or
- NURS 4240 Advanced Clinical Nursing, 2 units
- NURS 4400 Community Health Nursing, 3 units
- NURS 4410 Community Health Nursing Practicum, 3 units

* These courses may be challenged based on student preparation.
Typical Student Program
Full-time students normally complete the program in three semesters and attend nursing classes two days a week. Part-time students normally complete the program in five semesters and attend nursing classes one day a week. Full-time and part-time schedules can be obtained from the Nursing Department Web site.

Note:  NURS 3100 is recommended as the beginning class for part-time students; other first-semester courses may be taken simultaneously or G.E. can be taken as needed. Not all courses are offered every semester. Full-time students have priority for course enrollment; however, clinical site geographic locations are not guaranteed.

Pre-licensure BSN Track (Basic Nursing)
The Department offers a Pre-licensure nursing track leading to the Bachelor of Science Degree in Nursing. Graduates are eligible to sit for the NCLEX exam after graduation.

Incoming freshmen should have taken high school chemistry with a lab, biology with a lab, and at least three years of college prep math. Transfer students need to adhere to the CSU transfer policies. (See transfer requirements in the Admission section of this catalog, or inquire at Enrollment Services.). Nursing-bound students should list “Pre-Nursing” as the university major. This does not, however, guarantee a seat in the Pre-licensure track.

It is an impacted program with supplemental criterion for permission to enroll in the program and is competitive.

Note: When applying for licensure in California, the applicant is required to obtain clearance from the Department of Justice and to report any misdemeanor or felony conviction(s) to the Board of Registered Nursing (BRN). Some convictions may result in denial of licensure. The BRN determines cases individually and the Department of Nursing has no jurisdiction over such decisions.

Minimum Admission Requirements for the Pre-licensure Nursing Major

Prerequisites or Equivalent for the Pre-licensure Track
1. ENGL 1001 First-Year Composition, ENGL 1002, or ENGL 1005
2. ZOOL 2230/2232 Physiology and Lab
3. ZOOL 2250/2252 Human Anatomy and Lab
4. CHEM 2090/2092 or CHEM 3010 Biochemistry or Organic Chemistry
5. ENGL 2000, PHIL 2000, 2100 or 2005 Critical Inquiry, Philosophical Inquiry, Logic, or Honors Critical Thinking
6. COMM 2110 or COMM 2000 Group Discussion Processes or Public Speaking
7. MATH 1600 Statistics
8. MBIO 2010/2012 Microbiology for Nursing and Lab or MBIO 3010/3032 Bacteriology and Lab

Note: MBIO 2010/2012 is only offered summer term. (Subject to change.)

Non-CSU Stanislaus students seeking admission to the Nursing Pre-licensure Program for the Fall semester must submit an application for admission to the University during the priority admission application filing period. (See the Admission section in this catalog for priority filing period and sources of application forms.)

The nursing program starts the semester after students have completed the required prerequisites. Students need to be admitted to the University in order to apply to the nursing program. The application period for fall admission to the nursing program is January to February 28th; spring admission application period is September to October 15. Only completed applications will be accepted. Nursing applications are submitted directly to the Department of Nursing. Official transcripts for all prerequisite and/or general education courses taken at colleges or universities must accompany the application, including CSU Stanislaus transcripts. Applications are available on-line and at the nursing office.

Forty students will be enrolled in the Pre-licensure program each fall and 30 each spring. Half of the prerequisite courses must be completed at the time of application to the program, including at least two science prerequisites courses. Remaining prerequisite courses may be in progress at the time of the nursing application. For fall entry, one course may be taken in the summer prior to entry. Evidence of completion or work in progress is required for the application. For selected applicants, a final grade of C or better in an outstanding course is required to enter the program.

This is an impacted program and supplemental criteria are used for the selection of students. Applicants must have a minimum overall GPA of 3.0, a GPA of 2.75 in the prerequisite science courses, a GPA of 2.75 in other prerequisite courses, and complete the ATI Test of Essential Academic Skills with a minimum score. No more than two prerequisite courses may be repeated once.

Applicants are ranked according to the following formula:
Overall GPA - 20%
Science Prerequisite GPA - 20%
Other Prerequisite GPA - 20%
ATI Test of Academic Skills - 20%
Up to 20% can be earned for the following:
a. Continuing CSU Stanislaus student with last 10 units completed on campus
b. California residency
c. Permanent residency in Calaveras, Mariposa, Merced, San Joaquin, Stanislaus, or Tuolumne counties (the CSU Stanislaus service region)
d. Health care experience
e. Bilingual

Criteria subject to change; contact department.

Note: California residents are given preference over out-of-state and international students as long as the program is on impacted status.
Requirements — Pre-licensure BSN Track
1. Complete University General Education requirements for the Bachelor of Science degree (51 units minimum including transferable General Education units)
2. Complete the major of 64 units. All courses are taken for a letter grade.
3. Complete 9 upper-division units which meet the upper-division General Education requirements (6 units are designated as co-requisites in the nursing program.)
4. All prerequisite courses to enter the Pre-licensure track must be completed with a C or better.

The Major — Pre-licensure BSN Track (64 units)
NURS 1040 Human Development Over the Life Span, 3 units
NURS 2800 Introduction to Nursing, 2 units
NURS 2820 Basic Skills in Nursing, 3 units
NURS 2850 Introduction to Pharmacology and Nutrition, 2 units
NURS 2860 Pharmacology in Nutrition, 2 units
NURS 2900 Adult Health Nursing I, 4 units
NURS 2910 Adult Health Nursing I Clinical, 3 units
NURS 3000/3002 Health Assessment/Lab, 3 units
NURS 3320 Pre-licensure Nursing Leadership and Management (WP), 3 units
NURS 3700 Introduction to Nursing Research, 3 units
NURS 3800 Pediatric Nursing, 3 units
NURS 3810 Pediatric Nursing Clinical, 2 units
NURS 3820 Reproductive Health Nursing, 3 units
NURS 3830 Reproductive Health Nursing Clinical, 2 units
NURS 3900 Mental Health Nursing, 3 units
NURS 3910 Mental Health Nursing Clinical, 2 units
NURS 4010 Issues Facing the Profession, 3 units
NURS 4230 Pre-Licensure Advanced Clinical Nursing Practicum, 4 units
NURS 4400 Community Health Nursing, 3 units
NURS 4410 Community Health Nursing Practicum, 3 units
NURS 4800 Adult Health Nursing II, 3 units
NURS 4810 Adult Health Nursing II Clinical, 3 units
NURS 4820 Pre-licensure Seminar, 2 units

Corequisites — Pre-licensure BSN Track
(12 units of the required General Education units)
SOCL 1010 Introduction to Sociology (D.2.a), 3 units
PSYC 2010 Introduction to Psychology (D.2.b), 3 units
CS 4000 Personal Computing (F.1), 3 units
PHIL 4401 Professional Ethics (F.2), 3 units

Continuance in the Nursing Major (both tracks)
Students must maintain a minimum grade of C– (73%) in courses constituting the nursing major. Students must have completed MATH 1600 Statistics, or an equivalent, with a grade of C or better for progression in the major, and as a prerequisite to NURS 3700 Introduction to Nursing Research.

Program Requirements for RN to BSN and Pre-licensure BSN Tracks
From the time a student enters the program and until graduation, the student must have the following:
- Continuous Malpractice Insurance — $1 million/$3 million
- Continuous Health Insurance
- Current CPR Certification for Medical Professionals
- Annual TB skin test (some agencies require the two-step) or X-ray, with evidence of freedom from tuberculosis
- Measles, Rubella, HBV, and Varicella vaccination, or proof of immunity
- Current California driver’s license and car insurance
- Current California RN license (for RN to BSN track only)
- Background check (for PL track only)
- Drug screening

In addition, some agencies may have additional requirements such as fingerprinting and clearance from the Department of Justice. See the Nursing Student Handbook for additional information on other liability and health requirements.

The University reserves the right to limit the enrollment of students in the nursing major to available space and clinical facilities.

Licensed Vocational Nurses
LVNs seeking an upgrade to BSN or LVN 30-unit option should visit the Web site or contact the Nursing Department regarding options.

Mission of the Department of Nursing
The mission of the Department of Nursing is to prepare baccalaureate-level registered nurses for the broad scope of professional nursing practice. The Department of Nursing is committed to creating a learning environment which encourages faculty, staff, and students in the department to realize their potential, to appreciate and contribute to the health and enrichment of diverse communities, to promote a caring attitude, to be leaders in their communities, and to develop a passion for lifelong learning.

Goal Statement of the Department of Nursing
To facilitate this mission, we promote academic excellence in the teaching and scholarly activities of our faculty, encourage personalized student learning, foster interactions and partnerships with our surrounding health care agencies, and provide opportunities for the intellectual, cultural, and professional development of the nursing community.
Course Descriptions

Lower Division

NURS 1040 Human Development Over the Life Span (3 units)
Study of human development throughout the life span. Covers child, adolescent, and adult development. Focuses on the physical, cognitive, emotional, and social dimensions of each developmental stage. Application of age-appropriate health promotion strategies. Open to all students. Satisfies G.E. area D2. (Lecture, 3 hours)

NURS 2040 Better Health with Self-Care (2 units)
Study of basic human needs in a complex society. Main focus is self-care during health, developmental, and lifestyle changes. Persons will be studied in relation to their psychosocial-cultural and physiological needs. Open to all students. Satisfies G.E. area E1. (Lecture, 2 hours)

NURS 2042 Better Health with Self-Care Activity (1 unit)
A self-analysis of the student's own lifestyle behaviors in relation to health and wellness. Focus is on strategies to improve wellness. Satisfies G.E. area E1. Concurrent enrollment in NURS 2040 is required. (Activity, 2 hours)

NURS 2800 Introduction to Nursing (2 units)
Introduction to the discipline of nursing including history, theories, values, communication, and professional roles. The mission, philosophy, goals, and objectives of the CSU Stanislaus nursing program are included. Prerequisite: Admission to the Nursing major. For Pre-licensure students.

NURS 2820 Basic Skills in Nursing (3 units)
Prepares students to perform basic nursing skills based on mastery of core scientific principles. Prerequisite: Admission to the nursing major, Pre-licensure track.

NURS 2850 Introduction to Pharmacology and Nutrition (2 units)
(Formerly NURS 2840) Introduction to basic principles of nutrition and pharmacology for patients of all ages. Nutrition component stresses general nutrition concepts with a focus on health promotion and therapeutic nutrition. Pharmacology focus is related to overview of pharmacology, review of pharmacokinetics, drug classifications, medication administration, and utilization of nursing drug books, emphasizing today's most common drug therapies. Prerequisite: Admission to the Nursing major or consent of instructor.

NURS 2860 Pharmacology in Nursing (2 units)
Builds on Introduction to Pharmacology and Nutrition with an increased focus on pharmacokinetics, pharmacodynamics, and therapeutic implications. Pharmacology content is closely aligned with common acute and chronic illness. Prerequisite: Admission to the Nursing major or consent of instructor.

Student Learning Outcomes/Learning Objectives
A graduate with a Bachelor of Science, Nursing degree:

- Integrates knowledge from the liberal arts and sciences in making nursing judgments.
- Demonstrates professional values, which derive from the core value of caring: altruism, autonomy, human dignity, integrity, and social justice.
- Uses critical thinking as an integral part of all decision making.
- Demonstrates competent verbal, nonverbal, written, and technological communication in interdisciplinary settings.
- Performs accurate and comprehensive client assessments regarding health status that include the following: data collection, diagnoses, plan, interventions, and evaluation.
- Performs technical skills competently using healthcare technologies in nursing care situations.
- Utilizes knowledge of health promotion, risk reduction, and disease prevention, illness and disease management, and information and health care technologies as required in nursing interventions in varying health care situations.
- Practices within an ethical decision-making framework and follows legal guidelines.
- Modifies nursing interventions respecting culture-specific values, beliefs, and lifestyles of diverse populations.
- Appreciates the uniqueness and diversity of local, regional, and global environments that affect health care.
- Understands health care systems and policy, along with legal and regulatory processes, that impact nursing and health care delivery.
- Performs as a provider of care by using theoretical and research-based knowledge, and when developing partnerships with clients and interdisciplinary team members.
- Performs as a designer/manager/coordinator of care through leading, collaborating, delegating, negotiating, coordinating, and evaluating within interdisciplinary systems.
- Performs as a member of the nursing profession through lifelong learning, professional behavior, and advancement of the profession.
NURS 2900 Adult Health Nursing I (4 units)
Introduction to theory and research based nursing care of young, middle, and older adults. Focus is on health promotion/disease prevention as well as the management of common acute and chronic illnesses. Prerequisites: NURS 2800, NURS 2820, NURS 2840, and NURS 3000/3002. To be taken concurrently with NURS 2910.

NURS 2910 Adult Health Nursing I Clinical (3 units)
Clinical application of theory and research-based nursing care of young, middle, and older adults. Focus is on health promotion/disease prevention as well as the management of common acute and chronic illnesses in a variety of clinical settings. Corequisite: NURS 2900.

Upper Division

NURS 3000 Health Assessment (3 units)
Assists the student in assuming new responsibilities for determining health status and self-care needs of individuals. Focus is on history taking, physical examination, and determining nursing diagnoses. Corequisite: NURS 3002. (Lecture, 2 hours; laboratory, 3 hours) (Fall, Spring)

NURS 3040 Women's Health (3 units)
Presents an overview of health care issues faced by women throughout the life cycle. Begins with an examination of scientific inquiry and a biological review of the female body. Specific health care problems common to women throughout the life span are addressed. The roles, rights, and responsibilities of women in the health care system are discussed. Encompasses a women-centered philosophy that encourages women's active participation in their health care decisions. Open to all upper-division students. Satisfies G. E. area F3. (Lecture, 3 hours)

NURS 3060 Cultural Variations in Nursing: A Comparison of Mexican and American Health Care (Study Abroad) (3 units)
A short-term study abroad course that provides an examination of health care in Mexico, both contemporary and traditional. Cross-cultural comparisons will focus on health care in the United States and Mexico. Students can concurrently enroll in Spanish language immersion classes. This is a three-week course held in Mexico. (Winter)

NURS 3100 Professional Nursing (3 units)
Introduces nursing concepts and theories with an emphasis on professionalism, caring, self-care, communication, and teaching/learning. (Lecture, 3 hours) (Fall)

NURS 3310 Nursing Leadership and Management (WP) (3 units)
Focuses on the professional nursing roles of designer, manager, and coordinator. Presents theories of leadership, management, organization, planned change, and power. Satisfies upper-division writing proficiency requirement. Prerequisite: Completion of the Writing Proficiency Screening Test with a passing score. (Lecture, 3 hours) (Fall)

NURS 3320 Pre-licensure Nursing Leadership and Management (WP) (3 units)
Focuses on the professional nursing roles of designer, manager, and coordinator of care for the pre-licensure nursing student. Presents theories of leadership, management, organization, planned change, and power. Satisfies upper-division writing proficiency requirement. Prerequisite: Completion of the Writing Proficiency Screening Test with a passing score. For Pre-licensure students or consent of instructor. (Lecture, 3 hours) (Fall)

NURS 3600 Transcultural Nursing Care (3 units)
Provides the theoretical and experiential foundation for nurses to safely and effectively meet the health care needs of culturally diverse clients in a variety of practice settings. (Lecture 3 hours) (Fall)

NURS 3700 Introduction to Nursing Research (3 units)
(Formerly NURS 4100) Introduction to basic concepts of nursing research. Emphasis on evaluation of research and application of findings in nursing practice. Prerequisite: MATH 1600 or its equivalent, NURS 2800 (Pre-licensure), or consent of instructor. (Lecture, 3 hours) (Fall, Spring)

NURS 3800 Pediatric Nursing (3 units)
Introduction to theory and research-based nursing care of children and adolescents. Focus is on health promotion/disease prevention as well as the management of common acute and chronic illnesses. Prerequisites: NURS 3820 and NURS 3830 or consent of instructor. To be taken concurrently with NURS 3810.

NURS 3810 Pediatric Nursing Clinical (2 units)
Clinical application of theory and research-based nursing care of children and adolescents. Focus is on health promotion/disease prevention as well as the management of common acute and chronic illnesses in a variety of clinical settings. Prerequisites: NURS 3820 and NURS 3830 or consent of instructor. To be taken concurrently with NURS 3800. Note: Some clinical hours may take place in a regional children's hospital.

NURS 3820 Reproductive Health Nursing (3 units)
Introduction to theory and research-based nursing care of individuals and families related to reproductive/perinatal health. Focus is on health promotion/disease prevention as well as management of clients in the reproductive phase. Prerequisites: NURS 2900 and NURS 2910 or consent of instructor. To be taken concurrently with NURS 3830.

NURS 3830 Reproductive Health Nursing Clinical (2 units)
Clinical application of theory and research-based reproductive health nursing care of individuals and families. Major focus is on the provision of perinatal nursing care in a variety of clinical settings. Prerequisites: NURS 2900 and 2910 or consent of instructor. To be taken concurrently with NURS 3820.

NURS 3900 Mental Health Nursing (3 units)
Introduction to mental health nursing and therapeutic communication in nursing. Focus is on health promotion/disease prevention as well as the management of common acute and chronic mental health problems with individuals and families. Prerequisites: NURS 3820 and NURS 3830 or consent of instructor. To be taken concurrently with NURS 3910.
NURS 3910 Mental Health Nursing Clinical (2 units)
Clinical application of theory and research-based mental health nursing care of individuals and families. Focus is on health promotion/disease prevention as well as the management of common acute and chronic mental health problems in a variety of clinical settings. Prerequisites: NURS 3820 and NURS 3830 or consent of instructor. To be taken concurrently with NURS 3900.

NURS 4010 Issues Facing the Profession (3 units)
Focuses on current trends and issues central to the profession of nursing. Critical thinking processes are applied to the examination of historical, political, economic, educational, professional, legal, ethical, and global issues related to nursing and health care. Prerequisite: Senior standing in the nursing major. (Lecture, 3 hours) (Fall, Spring)

NURS 4040 Health Care and The Older Adult (3 units)
Course focuses on wellness and healthy aging, the health-illness continuum, common health problems of the elderly, care issues, and end-of-life care. Course is an elective in the Gerontology Certificate Program. It is open to other upper-division students. (Spring in alternating years.)

NURS 4210 Advanced Clinical Nursing Practicum (3 units)
Student-designed study focusing on the area of clinical practice of their choice. This is an opportunity for students to explore new areas of practice under the guidance of nursing faculty and community-based preceptors. Prerequisite: Senior standing in the nursing program.

NURS 4230 Pre-licensure Advanced Clinical Nursing Practicum (4 units)
Student-designed study focusing on the professional nursing roles of designer, manager, and coordinator of care. Students have an opportunity to explore an area of clinical practice of their choice. Corequisite: NURS 4820. Prerequisite: Completion of all nursing courses except completion or concurrent enrollment in NURS 4400, 4410, and 4010. (Spring)

NURS 4240 RN to BSN Seminar (2 units)
Seminar discussion of theoretical components of nursing applied in clinical practice. Problems and experiences in the clinical setting are correlated with current literature and theories. Must be taken the last semester in the program. Students must be working in clinical practice at the time of taking the course to enroll.

NURS 4310 Advanced Clinical Nursing II (3 units)
Elective continuation of NURS 4210. Prerequisites: Senior standing in Nursing program and completion of NURS 4210. (Laboratory, 9 hours) (Fall, Spring)

NURS 4400 Community Health Nursing (3 units)
(Formerly NURS 3400) Theory and principles applied to the nursing role in the promotion of health and prevention of disease. Analysis of problems related to health and delivery of care at various levels: total population, as well as individuals, families, and groups. Prerequisites: NURS 4800, 4810 (for Pre-licensure). Concurrent enrollment in NURS 4410 recommended. (Spring)

NURS 4410 Community Health Nursing Practicum (3 units)
(Formerly NURS 3410) Clinical experience in community health agencies under the leadership of nursing faculty. Prerequisites: NURS 3000, 3100, 3310, 3600 (RN to BSN); NURS 4800, 4810 (for Pre-licensure). (Laboratory, 9 hours) (Fall, Spring) Note: If NURS 4400 and 4410 are not taken concurrently, NURS 4410 must be taken the semester immediately following NURS 4400.

NURS 4600 NCAST II Nursing Child Assessment (4 units)
Provides an opportunity to gain an understanding of the role of environmental conditions, parent/child characteristics and their interactions. Measurement and meaning of the interaction, as well as identification, of problems and interventions will be highlighted. Open to all majors. (Winter, on demand)

NURS 4800 Adult Health Nursing II (3 units)
Advanced study of theory and research-based nursing care of young, middle, and older adults. Focus is on the management of complex acute and chronic illnesses and end-of-life processes. Prerequisites: NURS 2900, NURS 2910, NURS 3900, NURS 3910, or consent of instructor. To be taken concurrently with NURS 4810.

NURS 4810 Adult Health Nursing II Clinical (3 units)
Advanced clinical application of theory and research-based nursing care of young, middle, and older adults. Focus is on management of complex adult health illnesses in a variety of clinical settings. Prerequisites: NURS 2900, NURS 2910, NURS 3900, NURS 3910, or consent of instructor. To be taken concurrently with NURS 4800.

NURS 4820 Pre-licensure Seminar (2 units)
Seminar for Pre-licensure seniors in their last semester. Focus is on preparing students for successful transition into professional practice. Corequisite: NURS 4230. Prerequisite: Completion of or concurrent enrollment in all required Pre-licensure nursing courses.

NURS 4950 Selected Topics in Nursing (1-5 units)
(Topics to be specified in Class Schedule) Development of a selected topic or a set of related topics in nursing. Topics vary each term, thus different topics may be taken for credit to a maximum of 12 units. Prerequisite: Consent of instructor. (Offered on demand)

NURS 4960 Senior Seminar (1-4 units)
Seminar for seniors in nursing. Review and discussion of selected topics in nursing. Each student is expected to report on an individual project. Prerequisite: Consent of instructor. (Offered on demand)

NURS 4980 Individual Study (1-4 units)
For students capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisite: Consent of instructor. (Offered on demand)
Undergraduate Competencies

The undergraduate program is organized around six broad competencies—child development knowledge/foundations; the research process; legal, ethical and pragmatic issues; leadership; child guidance, and integration of a personal/professional world view. Students are introduced to these competencies in CDEV 3000 Professional Issues in Child Development, at the beginning of their program, and compile a professional portfolio to document their progress throughout their academic program. These portfolios are presented at the end of the program in CDEV 4965, Senior Seminar.

Bachelor of Arts in Child Development

The program leading to a Bachelor of Arts, Child Development provides students with a background of knowledge and skills in child growth and development. The degree is housed in the Department of Psychology. Courses are selected from child development, psychology, and related fields, and include laboratory and field experiences at the CSU Stanislaus Child Development Center as well as other applied settings.

All students are expected to:
1. Complete a professional development class;
2. Complete a core of required courses;
3. Complete one of the tracks described; and
4. Complete a capstone senior seminar and corequisite internship.

Tracks are designed to provide students with specialized knowledge and abilities in the following areas of child development:
1. Working as teachers and administrators of child development programs (Child Programs Track);
2. Pursuing advanced studies or research careers in education, psychology, social sciences, special education, and child development (Child Research Track);
3. Serving the social welfare and guidance needs of young children, parents, families, and the community (Child Services Track).

A General Track is available for those students who wish to tailor their academic programs to a particular developmental focus. A general track plan must be developed with an academic adviser and submitted to the Child Development Committee for approval prior to completing courses.

Follow the instructions on the general track plan form. General tracks must include 12 units of upper-division coursework including an application component to be approved. Course that do not appear on the list of approved CDEV electives must be accompanied by departmental petitions.

Students should note that Senior Seminar and Internship are required assessment courses for the Child Development Major. The seminar is integrated with a senior internship that culminates the student's educational plan and relates to the student's track and prospective career. Students may not take these courses until they have met all prerequisites.
Students should take Senior Seminar in the last semester of coursework and should consider carefully the amount of time that will be required to complete successfully the course and internship.

Students should plan for participation in a field site for approximately 6 hours per week throughout the entire semester, strict class attendance, and group participation on arranged time with classmates and professional persons. Finally, students should consider that the semester project includes the preparation and presentation of individualized professional portfolios, demonstrating individual achievement of the program’s competencies. See departmental information regarding prerequisites and enrollment procedures for these classes.

Students pursuing authorization to teach in public elementary schools must complete a Multiple Subject Credential concurrent with or upon completion of the baccalaureate.

There are two routes to the credential:
1. Completion of the Child Development major;
2. The Liberal Studies major with a Child Development Concentration, described in the Liberal Studies section of this catalog. Students may wish to consult their advisers before choosing their major.

**Requirements**

1. Complete University General Education requirements for the Bachelor of Arts degree (51 units minimum).
2. Complete the lower-division prerequisites to the major plus major requirements of not less than 37 units of approved upper-division coursework as outlined.
3. Community college transfer students with an Associate of Arts in child development or early childhood education, upon advisement, may waive CDEV 3140, and complete the remainder of required coursework, plus additional upper-division coursework for a total of 37 units.
4. Community college transfer students without an Associate of Arts in child development or early childhood education must complete course requirements as outlined for a minimum total of 37 units of approved upper-division coursework.
5. All students must take at least one non-research child development laboratory course in residence at CSU Stanislaus. All students must complete CDEV 3010, Child Abuse and Neglect, prior to enrollment in the following lab courses: CDEV 3020, CDEV 3181, CDEV 3320, CDEV 3550, CDEV 3440, CDEV 4180 and 4190, or CDEV 4280.
6. Child development majors must take all courses counted toward the major for a letter grade if the letter grade option is available. In addition, no more than 6 units of credit-graded coursework may apply toward the major.
7. A maximum of 6 units of combined coursework in field work and internships may be counted toward the major with approval by the major adviser.

**Notes:**

a. Courses listed in the tracks are offered on a rotation basis. Students should check with advisers/departments for scheduled semesters and times.

b. Prior to Winter 1996, Child Development courses were noted by a PSYC prefix.
2. Complete one of the following tracks (12 units):
   a. **Child Development Programs Track**
      i. Complete the following (8 units):
         CDEV 4180 Developmental Programs for Preschool Children, 3 units, and
         CDEV 4190 Developmental Programs Laboratory, 1 unit
         CDEV 4960 Organization and Administration of Early Childhood Education Programs, 4 units
      ii. CDC Internships (2 units minimum):
         CDEV 4945 Internship at Child Development Center as Instructional Aide, 1 unit, or
         CDEV 4946 Internship at Child Development Center as Head Teacher, 2 units, or
         CDEV 4947 Internship at Child Development Center as Assistant Administrator, 2 units
      iii. CDEV 4940 Fieldwork in Child Development (2 units minimum)
   b. **Child Development Research Track**
      i. Complete the following: (12 units)
         SSCI 3000 Library Resources for the Social Sciences, 2 units
         PSYC 3000 Experimental Methods and Design, 4 units
         PSYC 4120 Human Development Research Seminar (WP), 3 units
         CDEV 4000 Child Development Research Methods, 3 units
   c. **Child Development Services Track**
      i. Complete the following: (9 units)
         PSYC 4130 Psychological Disorders of Children, 3 units
         PSYC 4150 Learning Disabilities, 3 units
         SSCI 3000 Library Resources for the Social Sciences, 2 units
      ii. CDEV 4940 Fieldwork in Child Development (3 units minimum)
   d. **General Track** A general track plan must be developed with the student’s academic adviser and submitted for the Child Development Committee’s approval. Select 12 units of upper-division classes from the following:

**Electives:**
- ANTH 4165 The Family in Cross-Cultural Perspective, 3 units
- CDEV 3020 Child Guidance and Management, 3 units
- CDEV 3040 Child Development in Cultural Context, 3 units
- CDEV 3181 Early Childhood Development, 3 units
- CDEV 3240 Human Development II: Adolescence, 3 units
- CDEV 3320 Infant Development and Group Care, 3 units
- CDEV 3340 Human Development III: Adulthood and Aging, 3 units
- CDEV 3440 Developmental Assessment, 3 units
- CDEV 3550 Early Intervention with High-Risk Children, 4 units
- CDEV 4000 Child Development Research Methods, 3 units
- CDEV 4180 Developmental Programs for Preschool Children, 3 units, and
- CDEV 4190 Developmental Programs Laboratory, 1 unit
- CDEV 4280 Development of Social Cognition, 3 units
- CDEV 4940 Field Work in Child Development, 1-2 units (must be approved by adviser)
- CDEV 4945 Internship at Child Development Center as Instructional Aide, 1 unit
- CDEV 4946 Internship at Child Development Center as Head Teacher, 2 units

**Liberal Studies Concentration in Child Development**
Please refer to the Liberal Studies section of the catalog.

**State of California Children's Center Permits**
California requires that individuals who serve as teachers and administrators of funded child development programs hold permits issued by the California Commission on Teacher Credentialing. See your academic adviser for coursework that is likely to meet these requirements. Applications for the Child Center Permit may be picked up at the University Credential Processing Center at Demergasso-Bava Hall 303.

**Learning Objectives**
- Child Development Knowledge/Foundations: Graduating students will demonstrate a strong understanding of the child development theories, developmental knowledge, contemporary issues and the relationship between theory and research.
- The Research Process: Students will demonstrate information competency, the ability to critically evaluate research, and an understanding of research and developmental methods as well as ethical issues related to doing research with children.
- Leadership: Students will have refined management and personal skills as well as the ability to work successfully in a team setting.
- Child Guidance: Students will demonstrate strong child guidance skills and an understanding of developmentally appropriate behavior.
Integration: Students should be able to integrate what they have learned into a cohesive framework so that they can successfully argue a position on an issue and be able to speak of their personal worldview regarding child development.

Legal, Ethical, and Pragmatic Issues: Students will be aware of children’s rights, engage in advocacy for children, and demonstrate good moral character.

Course Descriptions

Upper Division

CDEV 3000 Professional Issues in Child Development (3 units)
Basic overview of the discipline of Child Development. Introduction to the developmental domains; research methodology including observation and recording techniques; professional issues; and leadership development. Discussion of current developmental research and applications. Introduction to program competencies and student assessment. Open only to CDEV majors. Prerequisites: PSYC 2010 and PSYC 2020 or consent of instructor. (Fall, Spring)

CDEV 3010 Child Abuse and Neglect (1 unit)
(Same as PSYC 3010) Child maltreatment will be examined from a variety of perspectives, including those of victims, perpetrators, mental health professionals, childcare workers and teachers, the legal system, and public policy makers. Issues addressed will include definitions, causes, consequences, assessment, reporting, treatment, and prevention of child abuse and neglect. Course content will cover all areas required by the State of California under AB 141.

CDEV 3020 Child Guidance and Management (3 units)
(Formerly PSYC 3020) Students will study theoretical models of guidance and management with implications for academic, home, and clinical settings. Direct application with a laboratory setting. Corequisite: CDEV 3022. Prerequisites: PSYC 2010, CDEV or PSYC 3010, and CDEV or PSYC 3140. (Lecture, 2 hours; laboratory, 3 hours)

CDEV 3030 Cognitive Development in School Settings (3 units)
Focuses on both general developmental trends and individual differences in cognitive abilities such as thinking, remembering, and learning with emphasis on performance of school-related tasks such as reading, writing, mathematics, science, and social studies. Designed specifically for future teachers. (LIBS Integrative: Social Inquiry)

CDEV 3040 Child Development in Cultural Context (3 units)
Overview of Child Development in cultural perspective. Evaluation of the role of culture in the cognitive, social, emotional, and physical development of children. This course has an optional service-learning component. Satisfies G.E. areas F3 and G.

CDEV 3140 Human Development I: Childhood (3 units)
(Same as PSYC 3140) Basic principles of human development as they apply to infancy and childhood. Discussion of current developmental research and applications. Prerequisite: PSYC 2010 or consent of instructor. (Fall, Spring)

CDEV 3170 Early Cognitive Development (3 units)
(Formerly PSYC 3170) Theoretical, empirical, and applied issues in intellectual development, including development of perception, concepts, reasoning, communication, and memory. Various theorists such as Piaget, Montessori, and T.G.R. Bower will be discussed in different semesters. Prerequisite: CDEV or PSYC 3140 or consent of instructor. (Fall, Spring)

CDEV 3180 Early Social and Emotional Development (3 units)
(Formerly PSYC 3180) Examination of the child’s interpersonal, emotional, and personality development, emphasizing theoretical issues and research. Specific topics addressed will include attachment, aggression, and pro-social behavior, parent–child relationships, and gender differences. Prerequisite: CDEV or PSYC 3140 or consent of instructor. (Fall, Spring)

CDEV 3181 Early Childhood Development (3 units)
(Formerly PSYC 3181) Laboratory analysis of children’s social, cognitive, physical, and emotional development and individual differences. Participation in the Child Development Center’s programs; implications for developmentally-appropriate programs and techniques. Corequisite: CDEV 3182. Prerequisites: CDEV or PSYC 3010, CDEV or PSYC 3140, and concurrent or previous enrollment in CDEV 3170 and 3180. (Lecture, 2 hours; laboratory, 3 hours)

CDEV 3240 Human Development II: Adolescence (3 units)
(Same as PSYC 3240) Examines basic developmental issues in adolescent development, including physical and psychological effects of puberty; cognitive, social, and personality development; and psycho-social problems. Discussion of current developmental research and application. Prerequisite: PSYC 2010 or consent of instructor.

CDEV 3320 Infant Development and Group Care (3 units)
Infant development through age 2.5 years and implications for group care. Focus will be on health, safety, nutrition, family involvement, assessment, and curriculum. Includes Child Development Center laboratory. Meets the California Department of Social Services (DSS) licensing regulations for teachers of infants and toddlers. Corequisite: CDEV 3322. Prerequisite: CDEV or PSYC 3010 or equivalent. (Lecture, 2 hours; laboratory, 3 hours)

CDEV 3340 Human Development III: Adulthood and Aging (3 units)
(Same as PSYC 3340) Basic principles of adult development and aging from maturity to death are examined. Biological, psychological, and sociological aspects of development and aging are considered through discussion of relevant theory, research, and application. Satisfies G.E. area F3. Prerequisite: PSYC 2010 or consent of instructor.
CDEV 3440 Developmental Assessment (3 units)
(Formerly PSYC 3440) Introduction to basic issues and considerations in developmental assessment. Rationale for assessing perceptual-motor and cognitive abilities, emergent language abilities, and personal social maturity in children. Application of assessment procedures. Prerequisites: CDEV or PSYC 3010, CDEV or PSYC 3140, and concurrent or previous enrollment in CDEV 3170 and 3180.

CDEV 3550 Early Intervention with High-Risk Children (4 units)
(Same as PSYC 3550) Overview of early intervention theory and methodology. Rationale of home- and school-based efforts for infant and preschool children to become successful in an academic setting. Direct application of home-based interventions. Corequisite: CDEV 3553. Prerequisites: PSYC 2010, CDEV 3010 or PSYC 3010, and CDEV 3140 or PSYC 3140. (Lecture, 2 hours; activity, 4 hours) (Training, 16 hours — first two Saturdays of the semester)

CDEV 4000 Child Development Research Methods (3 units)
Covers the strategies and techniques involved in research with children. Issues of focus will include ethical concerns, methods for data acquisition, and designs for assessing developmental change. Prerequisite: PSYC 2020 or consent of instructor.

CDEV 4180 Developmental Programs for Preschool Children (3 units)
(Formerly PSYC 4180) An application of developmental theory to planning programs for individuals and groups of preschool-aged children. Includes: observing and recording child(ren)’s behavior, assessment of developmental needs, planning and implementing programs based upon assessment, evaluation of child(ren)’s development, and evaluating success of program. Corequisite: CDEV 4190. Prerequisites: CDEV or PSYC 3010, CDEV 3170, 3180, and one of the following application courses: CDEV 3020, 3181, or 3440.

CDEV 4190 Developmental Programs Laboratory (1 unit)
(Formerly PSYC 4190) Laboratory work in the Child Development Center. Corequisite: CDEV 4180. Prerequisites: PSYC 3010 and 3181.

CDEV 4280 Development of Social Cognition (3 units)
Overview of development of social cognition in children. Students evaluate the impact of emerging cognition on individual development and social relationships. Application with children in a lab setting. Corequisite: CDEV 4282. Prerequisites: CDEV/PSYC 3010, 3140, and CDEV 3170, or consent of instructor. (Lecture, 2 hours; laboratory, 3 hours)

CDEV 4940 Field Work in Child Development (1-2 units)
Work performed in schools, agencies, and institutions under joint supervision of the department and agency where assigned. May be repeated for credit. See catalog heading “Requirements for the Bachelor of Arts Degree in Child Development” for details regarding application to the major. Prerequisite: Consent of instructor. (Fall, Spring)

CDEV 4945 Internship at Child Development Center as Instructional Aide (1 unit)
(Formerly PSYC 4945) Internship in program preparation. Participation at the Child Development Center as teacher’s aide; assistance with curriculum planning, presentation and evaluation, under direct supervision of CDC director. May be repeated for credit. See catalog heading “Requirements for the Bachelor of Arts Degree in Child Development” for details regarding application to the major. Meets partial satisfaction of the requirements for administration for the Department of Social Services Community Child Care Division. Prerequisite: Consent of instructor. (Fall, Spring)

CDEV 4946 Internship at Child Development Center as Head Teacher (2 units)
(Formerly PSYC 4946) Internship in program preparation for teaching. Participation at the Child Development Center as head teacher under direct supervision of CDC director. May be repeated for credit. See catalog headings “Requirements for the Bachelor of Arts Degree in Child Development” or “Requirements for the Bachelor of Arts Degree, Psychology” for details regarding application to the respective major. Meets partial satisfaction of the requirements for administration for the Department of Social Services Community Child Care Division. Prerequisite: Consent of instructor. (Fall, Spring)

CDEV 4947 Internship at Child Development Center as Assistant Administrator (2 units)
(Formerly PSYC 4947) Internship at the Child Development Center as Assistant Administrator under direct supervision of CDC director. May be repeated for credit. See catalog heading “Requirements for the Bachelor of Arts Degree in Child Development” for details regarding application to the respective major. Meets partial satisfaction of the requirements for administration for the Department of Social Services Community Child Care Division. Prerequisite: Consent of instructor. (Fall, Spring)

CDEV 4948 Child Development Senior Internship (2 units)
(Formerly PSYC 4948) Students will intern in a university or community agency based on their chosen track in the Child Development major. Corequisite: CDEV 4965. Prerequisites: CDEV or PSYC 3010, CDEV 3170, 3180, and senior standing. (Spring)

CDEV 4950 Selected Topics in Child Development (1-5 units)
(Topics to be specified in Class Schedule) Development of a specific area in child development. Topics will vary depending on instructor. Different topics may be taken for a total of 6 units. Corequisite: CDEV 4953. Prerequisite: Consent of instructor.

CDEV 4960 Organization and Administration of Early Childhood Education Programs (4 units)
(Formerly PSYC 4960) An overview of administration in early childhood education programs. Topics to be covered include program organization and curriculum development, staffing, budget, legal, and parent-relation responsibilities of program directors. Prerequisites: PSYC 4180 and 4190.
Bachelor of Arts in Psychology

The major program is designed for those who (1) wish to extend their education in the liberal arts with an emphasis on psychology, (2) plan to enter a profession or occupation in which a strong background in psychology is necessary, or (3) wish to prepare for graduate work in psychology.

Requirements:
1. Complete University General Education requirements for the Bachelor of Arts degree (51 units minimum).
2. Foundations of Psychology: Receive a passing letter grade or credit in all of the following prerequisites to the major (10 units):
   - PSYC 2010 Introduction to Psychology, 3 units, or equivalent
   - PSYC 2020 Introduction to Psychological Methods, 3 units, or equivalent
   - MATH 1600 Statistics, 4 units, or equivalent
   Note: Students are advised to complete these courses as soon as possible since they are prerequisites to many upper-division psychology courses.
3. Social Sciences: Receive a passing letter grade or credit in any one of the following courses in supporting fields (3 units):
   - ANTH 2060 Introduction to Cultural Anthropology, 3 units, or equivalent
   - COGS 2100 Introduction to Cognitive Studies, 3 units, or equivalent
   - COMM 2111 Introduction to Communication Studies, 3 units, or equivalent
   - SOCL 1010 Introduction to Sociology, 3 units, or equivalent
4. Biological Sciences: Receive a passing letter grade or credit in either of the following courses or course combinations in supporting fields (4 units):
   - BIOL 1010 Principles of Biology, 3 units, and BIOL 1020-1029 Special Laboratory Studies, 1 unit, or equivalent
   - ZOOL 1050 Introduction to Zoology, 4 units, or equivalent

College of Human and Health Sciences

CDEV 4965 Child Development Senior Seminar (1 unit)
(Formerly PSYC 4965) Capstone seminar for Child Development majors participating in senior internships. Includes discussion of career and professional issues, diverse applications of child development, and discussion and evaluation of internship experiences. Corequisites: CDEV 4948. Prerequisites: CDEV or PSYC 3010, CDEV 3170, 3180, and senior standing. (Fall, Spring)

CDEV 4980 Individual Study (1-4 units)
For students capable of independent work and desirous of specialized study. May be repeated for a total of 6 units. Prerequisite: Prior consent of instructor. (Fall, Spring)

CDEV 4990 Senior Honors Thesis (3 units)
The Senior Honors Thesis is an independent research project in child development and is limited to qualified majors in their senior year. It is supervised by a committee of at least two faculty and is expected to be of publishable quality. Can be taken for a maximum of 6 units total, 3 of which may count toward the major. Prerequisites: Major in child development, senior standing, invitation of instructor. (Fall, Spring)

The Major (33 units minimum)
The major in Psychology requires a minimum of 9 units in Research Skills and a minimum of 24 units in the Science of Psychology.

Research Skills (9 unit minimum)
A. Experimental Methods and Design (4 units)
   - Receive a letter grade of C- or better in PSYC 3000 Experimental Methods and Design (4 units), and a credit in PSYC 3002 Experimental Methods and Design Laboratory (0 units). PSYC 3002 must be taken in conjunction with PSYC 3000.
   Note: Students are advised to take PSYC 3000 immediately after completing PSYC 2020

B. Research Seminars (5 unit minimum)
   - Receive a passing grade in two Research Seminars, one of which must be at the 4000 level. Seminars at the 4000 level are WP courses and require a letter grade of C- or better. They require completion of a CR/NC co-requisite as well as the seminar itself. Students must pass the writing proficiency screening test (WPST) before they can be admitted to any WP course.
   Note: Students are reminded to check course prerequisites when selecting Research Seminars; enrollment requires completion of one or more prerequisites and may require enrollment in a corequisite course.

The Science of Psychology (24 unit minimum)
Receive a passing letter grade in 24 units of upper-division Psychology, selecting from areas C through F below. Courses may be taken on a CR/NC basis only if letter grading is not offered. No more than 6 units of Credit-graded courses can be applied toward the major.

A minimum of 6 units each must be completed in areas C, D, and E. Additional Research Seminars beyond the two required also may be used to meet the 24-unit minimum.
Coursework in Area F is not required, but is strongly recommended for students planning graduate work in psychology. These students should also check prerequisites for admission to their graduate program(s) of choice when selecting courses for the undergraduate major. Fieldwork, internships, and cooperative education may together contribute no more than 3 units toward the major.

Note: Students are reminded to check course descriptions carefully when selecting 4000-level classes; enrollment may require completion of one or more prerequisites.

C. Psychology as a Natural Science (6 units minimum)

PSYC 3090 Comparative Animal Behavior, 3 units
PSYC 3100 Introduction to Physiological Psychology, 3 units
PSYC 3400 Introduction to Perception, 3 units
PSYC 3700 Introduction to Learning and Motivation, 3 units
PSYC 4110 Behavior Genetics, 3 units
PSYC 4250 Drugs and Behavior, 3 units
PSYC 4400 Cognitive Processes, 3 units
PSYC 4700 Intelligence, 3 units
PSYC 4720 Experimental Analysis of Behavior, 3 units
PSYC 4995 Seminar in Psychopharmacology, 3 units

D. Psychology as a Social Science (6 units minimum)

PSYC 3140 Human Development I: Childhood, 3 units
PSYC 3240 Human Development II: Adolescence, 3 units
PSYC 3310 Introduction to Social Psychology, 3 units
PSYC 3320 Introduction to Personality, 3 units
PSYC 3340 Human Development III: Adulthood and Aging, 3 units
PSYC 3350 Introduction to the Study of Abnormal Behavior, 3 units
PSYC 3660 Psychology of Women, 3 units
PSYC 4810 Intimate Relationships, 3 units
PSYC 4850 Stereotyping and Prejudice, 3 units

E. Psychology as an Applied Science (6 units minimum)

PSYC 3010 Child Abuse and Neglect, 1 unit
PSYC 3160 Introduction to Psychological Testing, 3 units
PSYC 3550 Early Intervention with High-Risk Children, 4 units
PSYC 3790 Introduction to Counseling Theory, 3 units
PSYC 4130 Psychological Disorders of Children, 3 units
PSYC 4150 Learning Disabilities, 3 units
PSYC 4320 Forensic Psychology, 3 units
PSYC 4440 Psychology of Workplace Performance, 3 units
PSYC 4550 Practicum with Exceptional Children, 3 units
PSYC 4560 Theory of Instructional Design, 3 units
PSYC 4750 Applied Behavior Analysis in the Classroom, 3 units
PSYC 4770 Introduction to Counseling Techniques, 3 units
PSYC 4790 Analyzing and Changing Human Behavior, 3 units
PSYC 4820 Group Dynamics: Theory and Application, 3 units

F. Psychology as an Integrated Science (0 unit minimum)

These courses are recommended for students planning graduate work in Psychology and those interested in developing more understanding of Psychology as an integrated discipline. Students entering doctoral programs after graduation are advised to complete History of Psychology and/or a Senior Honors Thesis. Students entering applied graduate programs (e.g., Counseling Psychology, Applied Behavior Analysis, or Clinical Psychology) should do appropriate fieldwork under advisement from a faculty member from that discipline.

Concentration in Developmental Psychology

Psychology majors need not select a concentration. However, the concentration in Developmental Psychology provides an opportunity to study human developmental processes from a psychological perspective. The concentration prepares students for careers in such settings as child development centers, child welfare clinics, and related agencies. Moreover, it provides the academic background for those planning graduate work in Developmental Psychology and related fields. In addition to a firm grounding in basic psychology, the concentration extends psychological principles to various aspects of human development.

Requirements

1. Complete University General Education requirements for the Bachelor of Arts degree (51 units minimum).

2. Foundations of Psychology: Receive a passing letter grade or credit in all of the following prerequisites to the major (10 units):

   - PSYC 2010 Introduction to Psychology, 3 units, or equivalent
   - PSYC 2020 Introduction to Psychological Methods, 3 units, or equivalent
   - MATH 1600 Statistics, 4 units, or equivalent

3. Social Sciences: Receive a passing letter grade or credit in any one of the following courses in supporting fields (3 units):

   - ANTH 2060 Introduction to Cultural Anthropology, 3 units, or equivalent
   - COGS 2100 Introduction to Cognitive Studies, 3 units, or equivalent
   - COMM 2110 Introduction to Communication Studies, 3 units, or equivalent
   - SOCL 1010 Introduction to Sociology, 3 units, or equivalent

4. Biological Sciences: Receive a passing letter grade or credit in either of the following courses or course combinations in supporting fields (4 units):

   - BIOL 1010 Principles of Biology, 3 units, and BIOL 1020-1029 Special Laboratory Studies, 1 unit, or equivalent
   - ZOOL 1050 Introduction to Zoology, 4 units, or equivalent

5. Complete the major of at least 36 upper-division units, as described below and approved by the major adviser. A passing letter grade of a D- or higher is required in most courses for the major. No minor is required. Students seeking an exemption from any of the requirements for the major should consult with their major advisers and file a petition with the chair of the Psychology Department.
The Major (36 units minimum)
The major in Psychology with a Concentration in Developmental Psychology requires a minimum of 9 units in Research Skills and a minimum of 27 units in the Science of Psychology.

Research Skills (9 units minimum)
A. Experimental Methods and Design (4 units)
   Receive a passing letter grade of C- or better in PSYC 3000 Experimental Methods and Design (4 units), and a credit in PSYC 3002 Experimental Methods and Design Laboratory (0 units). PSYC 3002 must be taken in conjunction with PSYC 3000.
   Note: Students are advised to take PSYC 3000 immediately after completing PSYC 2020 and MATH 1600.

B. Research Seminars (5 units minimum)
   Note: Check course prerequisites when selecting Research Seminars; enrollment requires completion of one or more prerequisites.
   1. Receive a letter grade of C- or better in the Research Seminar below. This is a WP course and requires completion of a CR/NC co-requisite as well as the seminar itself. Students must pass the writing proficiency screening test (WPST) before they can be admitted to this WP course.
      PSYC 4120 Human Development Research Seminar (WP); 3 units
      (with co-requisite PSYC 4123, 0 units)
   2. Receive a passing letter grade in one additional Research Seminar, selecting from the list below. Seminars at the 4000 level are WP courses and require letter grades of C- or better. They require completion of a CR/NC co-requisite as well as the seminar itself.
      Students must pass the writing proficiency screening test (WPST) before they can be admitted to any WP course.
      PSYC 3405 Research Seminar in the Psychology of Perception, 2 units
      PSYC 3610 Applied Behavior Analysis Research Seminar, 2 units
      PSYC 3705 Research Seminar in Human Learning, 2 units
      PSYC 3800 Experimental Psychology Research Seminar, 2 units
      PSYC 4102 Research Seminar in Neuroscience (WP), 3 units
      (with co-requisite PSYC 4103, 0 units)
      PSYC 4310 Research Seminar in Social Psychology (WP), 3 units
      (with co-requisite PSYC 4313, 0 units)
      PSYC 4410 Research Seminar in Cognitive Psychology (WP), 3 units
      (with co-requisite PSYC 4413, 0 units)
      PSYC 4725 Experimental Analysis of Behavior Research Seminar (WP), 3 units
      (with co-requisite PSYC 4726, 0 units)

The Science of Psychology (27 unit minimum)
Receive a passing letter grade (D- or higher) in 27 units of upper-division Psychology, selecting from areas C through F below. Courses may be taken on CR/NC basis only if letter grading is not offered. No more than 6 units of Credit-graded courses can be applied toward the major.

A minimum of 6 units each must be completed in areas C, D and E. A minimum of 9 units is required in area G. Coursework in Area H is not required, but is strongly recommended for students planning graduate work in Psychology. These students should also check prerequisites for admission to their graduate program(s) of choice when selecting courses for the undergraduate major. Fieldwork, internships, and cooperative education may together contribute no more than 3 units toward the major.

Note: Check course descriptions carefully when selecting 4000-level classes; enrollment may require completion of one or more prerequisites.

C. Psychology as a Natural Science (6 units minimum)
   PSYC 3090 Comparative Animal Behavior, 3 units
   PSYC 3100 Introduction to Physiological Psychology, 3 units
   PSYC 3400 Introduction to Perception, 3 units
   PSYC 3700 Introduction to Learning and Motivation, 3 units
   PSYC 4110 Behavior Genetics, 3 units
   PSYC 4250 Drugs and Behavior, 3 units
   PSYC 4400 Cognitive Processes, 3 units
   PSYC 4700 Intelligence, 3 units
   PSYC 4720 Experimental Analysis of Behavior, 3 units
   PSYC 4995 Seminar in Psychopharmacology, 3 units

D. Psychology as a Social Science (6 units minimum)
   1. Receive a passing letter grade in the course below:
      PSYC 3140 Human Development I: Childhood, 3 units
   2. Complete three additional units with a passing letter grade, selecting from the list below:
      PSYC 3240 Human Development II: Adolescence, 3 units
      PSYC 3310 Introduction to Social Psychology, 3 units
      PSYC 3320 Introduction to Personality, 3 units
      PSYC 3340 Human Development III: Adulthood and Aging, 3 units
      PSYC 3350 Introduction to the Study of Abnormal Behavior, 3 units
      PSYC 3660 Psychology of Women, 3 units
      PSYC 4610 Intimate Relationships, 3 units
      PSYC 4850 Stereotyping and Prejudice, 3 units

E. Psychology as an Applied Science (6 units minimum)
   PSYC 3010 Child Abuse and Neglect, 1 unit
   PSYC 3160 Introduction to Psychological Testing, 3 units
   PSYC 3550 Early Intervention with High-Risk Children, 4 units
   PSYC 3790 Introduction to Counseling Theory, 3 units
   PSYC 4130 Psychological Disorders of Children, 3 units
   PSYC 4150 Learning Disabilities, 3 units
   PSYC 4320 Forensic Psychology, 3 units
   PSYC 4440 Psychology of Workplace Performance, 3 units
   PSYC 4550 Practicum with Exceptional Children, 3 units
Concentration in Experimental Psychology

Students majoring in Psychology need not select a concentration. However, the Experimental Psychology concentration is tailored for the undergraduate psychology major who intends to pursue graduate training in the area of experimental or clinical psychology. It provides a strong background in the area of statistics and experimental methodology, which are two areas required for admission by psychology graduate schools. In addition to methodology, the student is exposed to a greater breadth of content areas in the field of experimental psychology than is required by the major. Finally, the student is provided with technical skills that greatly enhance the ability to conduct independent research, a requirement of graduate programs.

**Requirements**

1. **Complete University General Education requirements for the Bachelor of Arts degree (51 units minimum).**

2. **Foundations of Psychology:** Receive a passing letter grade or credit in all of the following prerequisites to the major (10 units):
   - PSYC 2010 Introduction to Psychology, 3 units, or equivalent
   - PSYC 2020 Introduction to Psychological Methods, 3 units, or equivalent
   - MATH 1600 Statistics, 4 units, or equivalent

   **Note:** Students are advised to complete these courses as soon as possible, since they are prerequisites to many upper-division psychology courses.

3. **Social Sciences:** Receive a passing letter grade or credit in any one of the following courses in supporting fields (3 units):
   - ANTH 2060 Introduction to Cultural Anthropology, 3 units, or equivalent
   - COGS 2100 Introduction to Cognitive Studies, 3 units, or equivalent
   - COMM 2011 Introduction to Communication Studies, 3 units or equivalent
   - SOCL 1010 Introduction to Sociology, 3 units, or equivalent

4. **Biological Sciences:** Receive a passing letter grade or credit in either of the following courses or course combinations in supporting fields (4 units):
   - BIOL 1010 Principles of Biology, 3 units, and BIOL 1020-1029 Special Laboratory Studies, 1 unit, or equivalent
   - ZOOL 1050 Introduction to Zoology, 4 units, or equivalent

5. **Complete the major of at least 39 upper-division units, as described below and approved by the major adviser.** A passing letter grade of a D- or higher is required in most courses for the major.

No minor is required. Students seeking an exemption from any of the requirements for the major should consult with their major advisers and file a petition with the chair of the Psychology Department.

The Major (39 units minimum)

The major in Psychology with a Concentration in Experimental Psychology requires a minimum of 12 units in Research Skills and a minimum of 27 units in the Science of Psychology.

**Research Skills (12 unit minimum)**

**A. Experimental Methods and Design** (4 units)

Receive a letter grade of C- or better in PSYC 3000 Experimental Methods and Design (4 units), and a credit in PSYC 3002 Experimental Methods and Design Laboratory (0 units). PSYC 3002 must be taken in conjunction with PSYC 3000.

**Note:** Students are advised to take PSYC 3000 immediately after completing PSYC 2020 and MATH 1600.

**B. Research Seminars** (5 unit minimum)

Receive a passing letter grade in two Research Seminars, one of which must be at the 4000 level. Seminars at the 4000 level are WP courses and require a letter grade of C- or better. They require completion of a CR/NC co-requisite as well as the seminar itself. Students must pass the writing proficiency screening test (WPST) before they can be admitted to any WP course.

**Note:** Students are reminded to check course prerequisites when selecting Research Seminars; enrollment requires completion of one or more prerequisites.
<table>
<thead>
<tr>
<th>Course Code</th>
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</thead>
<tbody>
<tr>
<td>PSYC 3090</td>
<td>Comparative Animal Behavior, 3 units</td>
</tr>
<tr>
<td>PSYC 3100</td>
<td>Introduction to Physiological Psychology, 3 units</td>
</tr>
<tr>
<td>PSYC 3400</td>
<td>Introduction to Perception, 3 units</td>
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<tr>
<td>PSYC 3700</td>
<td>Introduction to Learning and Motivation, 3 units</td>
</tr>
<tr>
<td>PSYC 4110</td>
<td>Behavior Genetics, 3 units</td>
</tr>
<tr>
<td>PSYC 4250</td>
<td>Drugs and Behavior, 3 units</td>
</tr>
<tr>
<td>PSYC 4400</td>
<td>Cognitive Processes, 3 units</td>
</tr>
<tr>
<td>PSYC 4700</td>
<td>Intelligence, 3 units</td>
</tr>
<tr>
<td>PSYC 4720</td>
<td>Experimental Analysis of Behavior, 3 units</td>
</tr>
<tr>
<td>PSCY 4995</td>
<td>Seminar in Psychopharmacology, 3 units</td>
</tr>
</tbody>
</table>

B. **Experimental Psychology Electives** (9 unit minimum)

Take a minimum of 9 units beyond those completed in Areas A through H, selecting from the courses below. Students entering doctoral programs after graduation are advised to complete History of Psychology as one of their electives.

- PSYC 3090 Comparative Animal Behavior, 3 units
- PSYC 3100 Introduction to Physiological Psychology, 3 units
- PSYC 3140 Human Development I: Childhood, 3 units
- PSYC 3310 Introduction to Social Psychology, 3 units
- PSYC 3400 Introduction to Perception, 3 units
- PSYC 3405 Research Seminar in the Psychology of Perception, 2 units
- PSYC 3610 Applied Behavior Analysis Research Seminar, 2 units
- PSYC 3700 Introduction to Learning and Motivation, 3 units
- PSYC 3705 Research Seminar in Human Learning, 2 units
- PSYC 3800 Experimental Psychology Research Seminar, 2 units
- PSYC 4020 History of Psychology, 3 units
- PSYC 4102 Research Seminar in Neuroscience (WP), 3 units (with co-requisite PSYC 4103, 0 units)
- PSYC 4110 Behavior Genetics, 3 units
- PSYC 4120 Human Development Research Seminar (WP), 3 units (with co-requisite PSYC 4123, 0 units)
- PSYC 4310 Research Seminar in Social Psychology (WP), 3 units (with co-requisite PSYC 4313, 0 units)
- PSYC 4410 Research Seminar in Cognitive Psychology (WP), 3 units (with co-requisite PSYC 4413, 0 units)
- PSYC 4440 Psychology of Workplace Performance, 3 units
- PSYC 4550 Practicum with Exceptional Children, 3 units
- PSYC 4560 Theory of Instructional Design, 3 units
- PSYC 4750 Applied Behavior Analysis in the Classroom, 3 units
- PSYC 4770 Introduction to Counseling Techniques, 3 units
- PSYC 4790 Analyzing and Changing Human Behavior, 3 units
- PSYC 4820 Group Dynamics: Theory and Application, 3 units

C. **Senior Thesis** (3 unit minimum)

Receive a passing letter grade in PSYC 4990 Senior Honors Thesis (3 units), or a passing letter grade in two additional research seminars (5-6 units), selecting from those not used to meet the Science of Psychology requirement described below.

D. **Psychology as a Natural Science** (6 unit minimum)

<table>
<thead>
<tr>
<th>Course Code</th>
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</thead>
<tbody>
<tr>
<td>PSYC 3405</td>
<td>Research Seminar in the Psychology of Perception, 2 units</td>
</tr>
<tr>
<td>PSYC 3610</td>
<td>Applied Behavior Analysis Research Seminar, 2 units</td>
</tr>
<tr>
<td>PSYC 3705</td>
<td>Experimental Psychology Research Seminar (WP), 3 units</td>
</tr>
<tr>
<td>PSYC 4102</td>
<td>Research Seminar in Neuroscience (WP), 3 units (with co-requisite PSYC 4103, 0 units)</td>
</tr>
<tr>
<td>PSYC 4110</td>
<td>Behavior Genetics, 3 units</td>
</tr>
<tr>
<td>PSYC 4120</td>
<td>Human Development Research Seminar (WP), 3 units (with co-requisite PSYC 4123, 0 units)</td>
</tr>
<tr>
<td>PSYC 4310</td>
<td>Research Seminar in Social Psychology (WP), 3 units (with co-requisite PSYC 4313, 0 units)</td>
</tr>
<tr>
<td>PSYC 4410</td>
<td>Research Seminar in Cognitive Psychology (WP), 3 units (with co-requisite PSYC 4413, 0 units)</td>
</tr>
</tbody>
</table>

E. **Psychology as a Social Science** (6 unit minimum)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>PSYC 3140</td>
<td>Human Development I: Childhood, 3 units</td>
</tr>
<tr>
<td>PSYC 3240</td>
<td>Human Development II: Adolescence, 3 units</td>
</tr>
<tr>
<td>PSYC 3310</td>
<td>Introduction to Social Psychology, 3 units</td>
</tr>
<tr>
<td>PSYC 3320</td>
<td>Introduction to Personality, 3 units</td>
</tr>
<tr>
<td>PSYC 3340</td>
<td>Human Development III: Adulthood and Aging, 3 units</td>
</tr>
<tr>
<td>PSYC 3350</td>
<td>Introduction to the Study of Abnormal Behavior, 3 units</td>
</tr>
<tr>
<td>PSYC 3660</td>
<td>Psychology of Women, 3 units</td>
</tr>
<tr>
<td>PSYC 4810</td>
<td>Intimate Relationships, 3 units</td>
</tr>
<tr>
<td>PSYC 4850</td>
<td>Stereotyping and Prejudice, 3 units</td>
</tr>
</tbody>
</table>

F. **Psychology as an Applied Science** (6 unit minimum)

<table>
<thead>
<tr>
<th>Course Code</th>
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</thead>
<tbody>
<tr>
<td>PSYC 3010</td>
<td>Child Abuse and Neglect, 1 unit</td>
</tr>
<tr>
<td>PSYC 3160</td>
<td>Introduction to Psychological Testing, 3 units</td>
</tr>
<tr>
<td>PSYC 3550</td>
<td>Early Intervention with High-Risk Children, 4 units</td>
</tr>
<tr>
<td>PSYC 3790</td>
<td>Introduction to Counseling Theory, 3 units</td>
</tr>
<tr>
<td>PSYC 4130</td>
<td>Psychological Disorders of Children, 3 units</td>
</tr>
<tr>
<td>PSYC 4150</td>
<td>Learning Disabilities, 3 units</td>
</tr>
<tr>
<td>PSYC 4320</td>
<td>Forensic Psychology, 3 units</td>
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<tr>
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<td>Psychology of Workplace Performance, 3 units</td>
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<td>PSYC 4550</td>
<td>Practicum with Exceptional Children, 3 units</td>
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<tr>
<td>PSYC 4560</td>
<td>Theory of Instructional Design, 3 units</td>
</tr>
<tr>
<td>PSYC 4750</td>
<td>Applied Behavior Analysis in the Classroom, 3 units</td>
</tr>
<tr>
<td>PSYC 4770</td>
<td>Introduction to Counseling Techniques, 3 units</td>
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<td>Analyzing and Changing Human Behavior, 3 units</td>
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<td>Group Dynamics: Theory and Application, 3 units</td>
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<td>PSYC 3405</td>
<td>Research Seminar in the Psychology of Perception, 2 units</td>
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<td>Applied Behavior Analysis Research Seminar, 2 units</td>
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<td>History of Psychology, 3 units</td>
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<td>PSYC 4102</td>
<td>Research Seminar in Neuroscience (WP), 3 units (with co-requisite PSYC 4103, 0 units)</td>
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<td>PSYC 4110</td>
<td>Behavior Genetics, 3 units</td>
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<td>PSYC 4120</td>
<td>Human Development Research Seminar (WP), 3 units (with co-requisite PSYC 4123, 0 units)</td>
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<td>Research Seminar in Social Psychology (WP), 3 units (with co-requisite PSYC 4313, 0 units)</td>
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<td>Research Seminar in Cognitive Psychology (WP), 3 units (with co-requisite PSYC 4413, 0 units)</td>
</tr>
</tbody>
</table>
Minor in Psychology

Requirements (18 units)

1. Foundations of Psychology (6 units)
   - Receive a passing letter grade or credit in the two courses below:
     - PSYC 2010 Introduction to Psychology, 3 units, or equivalent
     - PSYC 2020 Introduction to Psychological Methods, 3 units, or equivalent

2. The Science of Psychology (12 units minimum)
   - Receive a passing letter grade (D- or higher) in 12 units of upper-division Psychology, selecting from areas A through C below. A minimum of 3 units must be completed in each area. Courses may be taken on a CR/NC basis only if letter grading is not offered. No more than 3 units of Credit-graded courses can be applied toward the minor. Students who have completed all of the requirements may take additional courses either for a letter grade or on a CR/NC basis.
   - Note: Students are reminded to check course descriptions carefully when selecting 4000 level classes; enrollment may require completion of one or more prerequisites.

A. Psychology as a Natural Science (3 unit minimum)
   - PSYC 3090 Comparative Animal Behavior, 3 units
   - PSYC 3100 Introduction to Physiological Psychology, 3 units
   - PSYC 3400 Introduction to Perception, 3 units
   - PSYC 3700 Introduction to Learning and Motivation, 3 units
   - PSYC 4110 Behavior Genetics, 3 units
   - PSYC 4250 Drugs and Behavior, 3 units
   - PSYC 4400 Cognitive Processes, 3 units
   - PSYC 4700 Intelligence, 3 units
   - PSYC 4720 Experimental Analysis of Behavior, 3 units

B. Psychology as a Social Science (3 unit minimum)
   - PSYC 3140 Human Development I: Childhood, 3 units
   - PSYC 3240 Human Development II: Adolescence, 3 units
   - PSYC 3310 Introduction to Social Psychology, 3 units
   - PSYC 3320 Introduction to Personality, 3 units
   - PSYC 3340 Human Development III: Adulthood and Aging, 3 units

Teaching Credentials

Psychology students interested in obtaining a single subject teaching credential are directed to the Social Sciences Subject Matter Preparation Program in the Social Sciences section of this catalog. Also refer to the Teacher Education section of the Graduate Catalog for other requirements to be completed in obtaining a single subject credential.

Special Education Credential:
Mild/Moderate Disabilities
Moderate/Severe Disabilities

Students planning careers in the field of teaching exceptional children should consult with the credential adviser in the College of Education regarding program requirements.
Master of Arts in Psychology

The Master of Arts program in Psychology is designed:

1. To prepare students for advanced graduate work, or
2. For those students who desire a research-oriented program. Admission to the program is competitive. Please see the Graduate Catalog.

Master of Science in Psychology

The primary purpose of the Master of Science program in Psychology is to develop mastery of a substantial body of knowledge and skills for students planning careers in counseling or behavior analysis. Students completing the Counseling Concentration or the Behavior Analysis Concentration meet the educational requirements for the Marriage & Family Therapist (MFT) License. The Behavior Analysis concentration is also accredited by the Association for Behavior Analysis and meets the course requirements for the Behavior Analysis Certification Board. The Behavior Analysis concentration emphasizes applied behavior analysis and trains students for positions in a wide range of applied and counseling settings. The Counseling concentration emphasizes a variety of counseling theories and skills in training students for positions in counseling settings. Admission to the program is competitive. Please see the Graduate Catalog.

Learning Objectives

Psychology majors will:

- Demonstrate psychological literacy.
- Be able to identify strengths and weaknesses in psychological studies.
- Apply psychology concepts to address real-world problems.
- Communicate effectively in formal and informal written and oral modes.
- Be able to identify the commonalities and differences among different theoretical frameworks.
- Describe and act in accordance with the scientist-practitioner model.
- Act according to ethical principles adopted by the profession.

Course Descriptions

Lower Division

PSYC 1000 Sexual Behavior (3 units)
The biological, psychological, and cultural origins of sexuality are reviewed within the context of human evolution and development. Satisfies G.E. area E1.

PSYC 2010 Introduction to Psychology (3 units)
Scientific study of human behavior. This course or its equivalent is a prerequisite to all upper-division courses in Psychology. Satisfies G.E. area D2. (CAN PSY 2)

Upper Division

PSYC 3000 Experimental Methods and Design (4 units)
Provides a working knowledge of fundamental scientific methods in psychology, stressing the integration of laboratory methods, measurement theory, and inferential statistical techniques, including introduction to analysis of variance. This course is a prerequisite to the 4000-level research seminar required of Psychology majors. Corequisite: PSYC 3002. Prerequisites: PSYC 2020 and MATH 1600 or consent of instructor. (Lecture, 3 hours; laboratory, 3 hours)

PSYC 3010 Child Abuse and Neglect (1 unit)
(Same as CDEV 3010) (Formerly PSYC 4140) Child maltreatment will be examined from a variety of perspectives, including those of victims, perpetrators, mental health professionals, childcare workers and teachers, the legal system, and public policy makers. Issues addressed will include definitions, causes, consequences, assessment, reporting, treatment, and prevention of child abuse and neglect. Course content will cover all areas required by the State of California under AB 141.

PSYC 3090 Comparative Animal Behavior (3 units)
A comparative study of behavior systems in animals and humans. Stress is upon the social and developmental aspects of behavior. Prerequisite: BIOL 1010 or ZOOL 1050.

PSYC 3100 Introduction to Physiological Psychology (3 units)
Relationship between behavior and physiological processes, particularly neurophysiological processes. Prerequisite: BIOL 1010 or ZOOL 1050. (Lecture, 3 hours)

PSYC 3140 Human Development I: Childhood (3 units)
(Same as CDEV 3140) Basic principles of human development as they apply to infancy and childhood. Discussion of current developmental research and applications. Prerequisite: PSYC 2010 or consent of instructor.

PSYC 3160 Introduction to Psychological Testing (3 units)
Basic, widely applicable principles of psychological testing presented in a nontechnical way, plus descriptions of representative types of psychological tests in common use. Prerequisite: PSYC 2020 or consent of instructor.
PSYC 3240 Human Development II: Adolescence (3 units)
(Same as CDEV 3240) Examines basic developmental issues in adolescent development, including physical and psychological effects of puberty, cognitive, social and personality development, and psycho-social problems. Discussion of current developmental research and application. Prerequisite: PSYC 2010 or consent of instructor.

PSYC 3310 Introduction to Social Psychology (3 units)
Survey of interpersonal relations and behavior from a psychological perspective. An emphasis will be placed on the role of social cognition and attitudes. Topics to be covered include images of self and others; social motives such as affiliation, altruism, and aggression; and dyadic and group relationships. Prerequisites: PSYC 2010 and 2020 or consent of instructor.

PSYC 3320 Introduction to Personality (3 units)
Survey of the most influential approaches to the study and understanding of personality with emphasis on comparison of critical, theoretical issues. Prerequisite: PSYC 2010 or consent of instructor.

PSYC 3340 Human Development III: Adulthood and Aging (3 units)
(Same as CDEV 3340) Basic principles of adult development and aging from maturity to death are examined. Biological, psychological, and sociological aspects of development and aging are considered through discussion of relevant theory, research, and application. Satisfies G.E. area F3. Prerequisite: PSYC 2010 or consent of instructor.

PSYC 3350 Introduction to the Study of Abnormal Behavior (3 units)
Abnormal behavior in humans, stressing symptoms and dynamics of neuroses and psychoses. Prerequisites: PSYC 2020 plus two additional courses in psychology. PSYC 3140 and 3320 are recommended.

PSYC 3400 Introduction to Perception (3 units)
Basic phenomena in the area of perception. Simple and complex responses to stimuli. Topics include form perception and organization, color, illusions, space perception, motion perception, perceptual development. Basic phenomena are demonstrated and interpretations considered. Prerequisite: PSYC 2020.

PSYC 3405 Research Seminar in the Psychology of Perception (2 units)
Examines research methods used in the psychology of perception. Students design and conduct an original study. Prerequisites: PSYC 2020 and completion of PSYC 3400, or PSYC 3100, or PSYC 4400, or consent of instructor.

PSYC 3550 Early Intervention with High-Risk Children (4 units)
(Same as CDEV 3550) Overview of early intervention theory and methodology. Rationale of home-and school-based efforts for infant and preschool children to become successful in an academic setting. Direct application of home-based interventions. Corequisite: PSYC 3553. Prerequisites: PSYC 2010, CDEV or PSYC 3010, and CDEV or PSYC 3140. (Lecture 2 hours; activity 4 hours; Training, 16 hours — first two Saturdays of the semester.)

PSYC 3610 Applied Behavior Analysis Research Seminar (2 units)
Examines single-subject research methods from applied behavior analysis with a range of clinical problems and client populations. Teaches students about the scientist-practitioner model including a functional analysis of behavior problems and empirically validated treatment plans. Students design and conduct an original study in an applied setting that may include special populations such as developmentally disabled or autistic populations. Prerequisites: Completion of PSYC 2020 and one of the following: PSYC 3140, 3700, 4130, or 4150.

PSYC 3660 Psychology of Women (3 units)
(Same as GEND 3660) Provides a psychological examination of the nature and experiences of women in contemporary society. Topics to be discussed include women and power, the meaning of sexuality, stress and conflict surrounding women's roles, and male–female relationships.

PSYC 3700 Introduction to Learning and Motivation (3 units)
Basic phenomena of learning and motivation are covered, including classical and operant conditioning, the roles of reinforcement in learning, transfer of learning, and retention. Various theoretical viewpoints are covered, including cognitive, behavioral and Gestalt theories of learning and motivation. Utilization of these concepts in classroom situations and society is demonstrated. Prerequisite: PSYC 2020 or concurrent enrollment.

PSYC 3705 Research Seminar in Human Learning (2 units)
Examines various research issues in human operant learning. Students will read primary research articles on a topic from journals reporting studies in human operant learning and participate in the design of an original experiment to address a research question related to that topic. They will collect experimental data from human subjects, analyze these data and present them in a research report. Prerequisites: Concurrent enrollment in or prior completion of PSYC 3700 or PSYC 4790 and prior completion of PSYC 2020.

PSYC 3790 Introduction to Counseling Theory (3 units)
Introduction to major theories of counseling. Demonstrations and review of current literature. Prerequisite: PSYC 3320.

PSYC 3800 Experimental Psychology Research Seminar (2 units)
Examines experimental design and other research methods commonly used to gain better understanding of human perception, cognition, and behavior. Students design and conduct an original study. Prerequisites: Completion of PSYC 2020 and one of the following: PSYC 3140, 3310, 3400, 4400, or 4440.

PSYC 4020 History of Psychology (3 units)
Trends of thought, development of psychology as a discipline with leaders, schools, and issues. Prerequisites: PSYC 2020 and two upper-division courses in psychology, or consent of instructor.

PSYC 4102 Research Seminar in Neuroscience (WP) (3 units)
Examines research methods used in neuroscience. Students design and conduct an original study. Satisfies upper-division writing proficiency requirement. Corequisite: PSYC 4103. Prerequisites: Completion of the Writing Proficiency Screening Test with a passing score, PSYC 3000, and completion of PSYC 3100 or consent of instructor.
PSYC 4110 Behavior Genetics (3 units)
Evaluation of the genotypic contribution to human and animal behavior. Special emphasis on the interaction between genotype and environment during development. Prerequisite: BIOL 1010 or ZOOL 1050.

PSYC 4120 Human Development Research Seminar (WP) (3 units)
Examines methods and design used in human development research. Students design and conduct an original study. Satisfies upper-division writing proficiency requirement. Prerequisites: PSYC 4123. Corequisite: PSYC 4120. Prerequisites: Completion of the Writing Proficiency Screening Test with a passing score, PSYC 3000, and prior enrollment in either PSYC/CDEV 3140 or PSYC/CDEV 3240 or PSYC/CDEV 3340, or consent of instructor.

PSYC 4130 Psychological Disorders of Children (3 units)
A review of theories and treatment techniques dealing with a broad range of childhood disorders, including autism, childhood schizophrenia, mental subnormality, and psychophysiological problems. A behavioral approach, based on empirical evidence, will be emphasized. Prerequisite: PSYC 3140.

PSYC 4150 Learning Disabilities (3 units)
Overview of the major categories of learning disabilities including educationally retarded and behavior disorders. Survey of instructional programs and review of supportive data for those programs. Prerequisite: PSYC 3140 or consent of instructor.

PSYC 4250 Drugs and Behavior (3 units)
Reviews the social, psychological, and physiological effects of all the major therapeutic and recreational drugs. The issues of drug use and abuse will be studied to develop effective strategies for prevention and rehabilitation of drug dependency. Satisfies G.E. area F3.

PSYC 4310 Research Seminar in Social Psychology (WP) (3 units)
Examines research methods used in Social Psychology. Students design and conduct an original study. Satisfies upper-division writing proficiency requirement. Prerequisite: PSYC 4313. Corequisite: PSYC 4310. Prerequisites: Completion of the Writing Proficiency Screening Test with a passing score, PSYC 3000 and completion of either PSYC 3310, PSYC 4810, or PSYC 4820, or consent of instructor.

PSYC 4320 Forensic Psychology (3 units)
Explores the application of psychology to criminal justice issues. Topics to be considered include specific mental disorders and personality types related to criminal behavior, treatment of mental illness in the justice system, and practical applications of forensic psychology.

PSYC 4400 Cognitive Processes (3 units)
Introduction to the study of human information processing and such higher mental processes as thinking, attention, comprehension, imagery, memory, language, and reasoning. Prerequisite: PSYC 2010, 2020, or consent of instructor.

PSYC 4410 Research Seminar in Cognitive Psychology (WP) (3 units)
Examines research methods used in cognitive psychology. Students design and conduct an original study. Satisfies upper-division writing proficiency requirement. Corequisite: PSYC 4413. Prerequisites: Completion of the Writing Proficiency Screening Test with a passing score, PSYC 3000, and completion of either PSYC 4400 or PSYC 3400, or consent of instructor.

PSYC 4440 Psychology of Workplace Performance (3 units)
(Formerly COGS 3200; same as COGS 4440) Workplace designs that ignore the psychological abilities of workers reduce productivity, increase turnover, and in extreme cases, trigger injuries or fatalities. This course uses real-world examples to demonstrate these problems and how they can be avoided by applying current theories of human performance.

PSYC 4550 Practicum with Exceptional Children (3 units)
(Same as EDSE 4550) Acquisition and application of direct instruction teaching strategies. Students will work in small groups with children who have been identified as functioning below grade level in reading or math. Emphasis is on learning generalized direct instruction skills. Prerequisite: Consent of instructor.

PSYC 4560 Theory of Instructional Design (3 units)
(Same as EDSE 4560) Analyzes and evaluates instructional theories as they apply to the special education aspects of curriculum and teacher-presentation strategies designed to maximize generalization and minimize errors for “high-risk” pupils. Prerequisite: EDSE 4310.

PSYC 4700 Intelligence (3 units)
(Same as COGS 4700) Examines the origins and assessment of intelligence and its role in cognitive functions within the psychometric and neuroscientific frameworks.

PSYC 4720 Experimental Analysis of Behavior (3 units)
Studies behavior principles, emphasizing respondent and operant conditioning, and their application in experimental research. Prerequisite: PSYC 2020 or consent of instructor.

PSYC 4725 Experimental Analysis of Behavior Research Seminar (WP) (3 units)
Examines various research issues in the Experimental Analysis of Behavior. Students will read primary research articles on a topic from the experimental analysis of behavior and participate in the design of an original experiment to address a research question related to that topic. They will collect and analyze experimental data. Satisfies upper-division writing proficiency requirement. Corequisite: PSYC 4726. Prerequisites: Passing the Writing Proficiency Screening Test, PSYC 3000 and concurrent enrollment in or prior completion of PSYC 4720 (or PSYC 3700 or PSYC 4790, with instructor permission).

PSYC 4750 Applied Behavior Analysis in the Classroom (3 units)
(Same as EDSE 4750) Application of learning principles to educational and behavioral problems of individuals, enabling the student to design and implement programs for special education populations. Gives the student skills in program management and evaluation.
PSYC 4770 Introduction to Counseling Techniques (3 units)
Training in basic counseling skills. Prerequisites: PSYC 3790, senior standing, and consent of instructor.

PSYC 4790 Analyzing and Changing Human Behavior (3 units)
(Formerly Behavioral Engineering) Consists of the basic principles and terminology of behavior analysis applied to a variety of human settings. Behavior change, program design, and evaluation will be discussed. Examples will be drawn from parent training, child management, self-management, clinical psychology, and everyday social interactions. Prerequisite: PSYC 3010 or equivalent.

PSYC 4810 Intimate Relationships (3 units)
(Formerly Social Psychology of Personal Relationships) Social psychological analysis of close relationships such as friendships, marriages, and gay and lesbian relationships. Processes such as attachment, conflict, and commitment will be examined. Prerequisite: PSYC 3310 or consent of instructor.

PSYC 4820 Group Dynamics: Theory and Application (3 units)
(Formerly Group Dynamics and Interpersonal Behavior) Reviews factors that shape and influence interpersonal behavior in small groups. Interventions for improving group leadership and decision making will be examined. Prerequisite: PSYC 3310 or consent of instructor.

PSYC 4850 Stereotyping and Prejudice (3 units)
In-depth examination of theory and research on the causes and consequences of stereotypes and prejudice. Students learn to critically evaluate the issues and research in the prejudice literature through extensive class discussions and structured debates. Prerequisite: PSYC 3310 or consent of instructor.

PSYC 4900 Advanced General Psychology (3 units)
Review of the major content areas of psychology. Synthesis of concepts, facts, and methods studied in specialized upper-division courses. Prerequisites: At least two 4000-level psychology courses and senior standing or consent of instructor.

PSYC 4910 Cooperative Education (2-4 units)
Provides an opportunity to acquire relevant, practical experience in supervised paid employment within the discipline. Students are placed in private or public sector positions under the supervision of the employer and departmental Co-op coordinator. May be repeated for a total of 8 units. See catalog headings, “Requirements for the Bachelor of Arts, Child Development” or “Requirements for the Bachelor of Arts, Psychology” for details regarding application to the respective major. Prerequisites: Sophomore standing and consent of departmental coordinator.

PSYC 4930 Psychology Colloquium (1 unit)
Review of research in areas of psychology of current interest. Topics will include both applied and basic research. May be repeated for a total of 6 units, 2 of which can be applied to the major.

PSYC 4940 Fieldwork in Psychology (1-2 units)
Work of a psychological nature performed in schools, agencies, and institutions under joint supervision of the department and agency where assigned. May be repeated for credit. See catalog headings “Requirements for the Bachelor of Arts, Child Development” or “Requirements for the Bachelor of Arts, Psychology” for details regarding application to the respective major. Prerequisites: PSYC 2020 and consent of instructor.

PSYC 4950 Selected Topics in Psychology (1-5 units)
(Topics to be specified in Class Schedule) Development of a specific area in Psychology. Topics will vary depending on instructor. Different topics may be taken for a total of 6 units. Prerequisite: Consent of instructor.

PSYC 4980 Individual Study (1-4 units)
For students capable of independent work and desirous of undertaking specialized study. May be repeated for a total of 6 units. Prerequisite: Prior consent of instructor.

PSYC 4990 Senior Honors Thesis (3 units)
The Senior Honors Thesis is an independent research project in Psychology and is limited to qualified majors in their senior year. It is supervised by a committee of at least two faculty and is expected to be of publishable quality. Can be taken for a maximum of 6 units total, 3 of which may count toward the major. Prerequisites: Major in Psychology, senior standing, and invitation of instructor.

PSYC 4995 Seminar in Psychopharmacology (3 units)
Familiarizes students with basic terminology and models of psychopharmacology. An overview of clinical syndromes is provided, with a focus on medications typically prescribed, their properties, effectiveness, and side effects. Prerequisite: PSYC 3100 or consent of instructor.