

PSYCHOLOGY, BS, GARDNER PSYCH RESEARCH SCHOLAR

Introduction

Please click here (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-liberal-arts-sciences/psychology/>) to see Psychology department information.

The College of Liberal Arts and Sciences also offers a Gardner Psychology Research Scholars BA (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-liberal-arts-sciences/psychology/psychology-ba-gardner-psych-research-scholar/>) degree.

The Gardner Psychology Research Scholars Program consists of a rigorous set of criteria centered around a research project working with a Psychology faculty mentor.

These degree requirements are subject to periodic revision by the academic department, and the College of Liberal Arts and Sciences reserves the right to make exceptions and substitutions as judged necessary in individual cases. Therefore, the College strongly urges students to consult regularly with their major advisor and CLAS advisor to confirm the best plans of study before finalizing them.

Program Delivery

- This is an on-campus program.

Declaring This Major

- Secure approval from Psychology Department Gardner Program Director.
- Click here (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-liberal-arts-sciences/#policiestext>) to go to information about declaring a major.

General Requirements

To earn a degree, students must satisfy all requirements in each of the three areas below, in addition to their individual major requirements.

- CU Denver General Graduation Requirements (<http://catalog.ucdenver.edu/cu-denver/undergraduate/graduation/>)
- CU Denver Core Curriculum (<http://catalog.ucdenver.edu/cu-denver/undergraduate/graduation-undergraduate-core-requirements/>)
- College of Liberal Arts & Sciences Graduation Requirements (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-liberal-arts-sciences/#graduationrequirementstext>)
- Click here (<http://catalog.ucdenver.edu/cu-denver/undergraduate/academic-policies-procedures/>) for information about Academic Policies

Program Requirements

1. Students must complete a minimum of 57 credit hours, including a minimum of 28 PSYC credit hours and a minimum of 23 credit hours in ancillary course work.
2. Students must earn a minimum grade of C- (1.7) in all courses that apply to the major and must achieve a minimum of B (3.0) in the 3 Behavioral & Biomedical Sciences Research courses and must achieve a minimum cumulative major GPA of 2.5. Courses taken using P+/P/F or S/U grading cannot apply to major requirements.
3. Students must complete a minimum of 16 upper division (3000-level and above) PSYC credit hours with CU Denver faculty.

Program Restrictions, Allowances and Recommendations

1. An experiential learning component is required and must be approved by the Bachelor of Science academic advisor. To fulfill the experiential learning requirement a student must have a minimum overall GPA of 2.5 or higher. Fulfilling this requirement with a project outside of the Psychology Department requires prior approval by the Bachelor of Science academic advisor. Independent study or internship credit hours taken outside of the Psychology Department will not count as Psychology credit hours.
2. Successful (final grade of B or better) completion of PSYC 4680 Behavioral & Biomedical Sciences Research Seminar, PSYC 4681 Behavioral & Biomedical Sciences Research Seminar II and PSYC 4780 Behavioral & Biomedical Sciences Research: Ethics & Issues fulfills the experiential learning requirement for the Bachelor of Science in Psychology department core graduation requirement. It is required for students to have instructor permission to enroll in both PSYC 4680 Behavioral & Biomedical Sciences Research Seminar and PSYC 4681 Behavioral & Biomedical Sciences Research Seminar II
3. Students with transfer credit for PSYC1005 that was awarded zero credits will need to take an additional three credit Psychology Elective course to reach the minimum credit hours required for the Psychology Major.

Code	Title	Hours
<i>Complete all of the following required courses:</i>		19
PSYC 1000	Introduction to Psychology I	
PSYC 1005	Introduction to Psychology II	
PSYC 2090	Statistics and Research Methods	
PSYC 2220	Biological Basis of Behavior	
PSYC 3090	Research Methods in Psychology	
PSYC 4054	Behavioral Neuroscience	
<i>Complete two of the following Group A elective courses:</i>		6
BIOL 3104	Behavioral Genetics	
PSYC 3222	Principles of Learning and Behavior	
PSYC 3254	Introduction to Animal Behavior	
PSYC 3262	Health Psychology	
PSYC 3263	Hormones and Behavior	
PSYC 3264	Exercise, Brain and Behavior	
PSYC 3265	Drugs, Brain and Behavior	

PSYC 3724	Developmental Neuroscience	
PSYC 3810	Neuropsychology	
PSYC 3822	Aging, Brain and Behavior	
PSYC 3832	Neural Basis of Learning	
PSYC 4164	Psychology of Perception	
<i>Complete one of the following Group B elective courses:</i>		3
PSYC 3205	Human Development I: Child Psychology	
PSYC 3305	Abnormal Psychology	
PSYC 3415	Experimental Social Psychology	
<i>Complete required ancillary coursework from Biology and Chemistry:</i>		23
Biology (p. 2)		
Chemistry (p. 2)		
Upper Division Biology/ Chemistry electives (p. 2)		
<i>Complete Gardner Psychology Research Requirements:</i> ¹		6
PSYC/MARC 4680	Behavioral & Biomedical Sciences Research Seminar ²	
PSYC/MARC 4681	Behavioral & Biomedical Sciences Research Seminar II ³	
PSYC/MARC 4780	Behavioral & Biomedical Sciences Research: Ethics & Issues ²	
Total Hours		57

¹ Students must earn a minimum grade of B or better in all of the following courses. It is required for students to have instructor permission to enroll in both PSYC 4680 Behavioral & Biomedical Sciences Research Seminar and PSYC 4681 Behavioral & Biomedical Sciences Research Seminar II

² Take in the Fall.

³ Take in the Spring.

Additional Research Requirements

• The faculty mentor will work with students to guide fulfillment of these co-curricular requirements

- begin this course of study with at least 2 semesters remaining at CU Denver before graduation
- find a CU Denver Psychology faculty member who will mentor this project
- devote a minimum of 180 hours of work on this research project, completed during two semesters or more
- write a scientific paper describing the research
- present the results in an oral format
- present the results in poster format

Biology

Code	Title	Hours
<i>Take the following:</i>		
BIOL 2010	Organisms to Ecosystems (Gen Bio)	
	or BIOL 203CHonors Organisms to Ecosystems (Gen Bio)	
BIOL 2011	Organisms to Ecosystems Lab (Gen Bio)	
	or BIOL 2031Honors Organisms to Ecosystems Lab (Gen Bio)	
BIOL 2020	Molecules to Cells (Gen Bio)	
	or BIOL 204CHonors Molecules to Cells (Gen Bio)	

BIOL 2021 Molecules to Cells Lab (Gen Bio)
or BIOL 2041Honors Molecules to Cells Lab (Gen Bio)

Chemistry

Code	Title	Hours
<i>Take the following:</i>		
CHEM 2031	General Chemistry I	
	or CHEM 208Honors General Chemistry I	
CHEM 2038	General Chemistry Laboratory I	
	or CHEM 208Honors General Chemistry I Laboratory	
CHEM 2061	General Chemistry II	
	or CHEM 209Honors General Chemistry II Lecture	
CHEM 2068	General Chemistry Laboratory II	
	or CHEM 209Honors General Chemistry II Laboratory	

Upper Division Ancillary Electives

Code	Title	Hours
<i>Take two of the following upper division level ancillary elective courses:</i>		
BIOL 3226	Human Physiology	
BIOL 3240	Human Anatomy Lecture	
BIOL 3445	Introduction to Evolution	
BIOL 3611	General Cell Biology	
BIOL 3621	Introduction to Immunology	
BIOL 3650	General Microbiology	
BIOL 3832	General Genetics	
BIOL 4134	Human Genetics	
BIOL 4165	Neurobiology	
CHEM 3810	Biochemistry	
CHEM 4810	General Biochemistry I	
CHEM 4820	General Biochemistry II	

To learn more about the Student Learning Outcomes for this program, please visit our website (<https://clas.ucdenver.edu/psychology/learning-goals/>).

To review the Degree Map for this program, please visit our website (<https://www.ucdenver.edu/student/advising/undergraduate/degree-maps/clas/>).