Bachelor of Science in Psychology

The Department of Psychology at the University of Alaska Anchorage offers undergraduate and graduate degree and certificate programs aimed at preparing students: (1) for advanced study in the social and health sciences, and (2) to become members of the behavioral health workforce. The department also maintains the Psychological Services Center, a clinic that provides low-cost mental health services to campus and community members. The department strives to offer degree and certificate programs that meet the needs of the state of Alaska.

Admission Requirements

- Complete the Application and Admission Requirements for Baccalaureate Programs (http://catalog.uaa.alaska.edu/academicpoliciesprocesses/admissions/undergraduate/).
- Complete the following Admission Requirements for the Bachelor of Science (BS) in Psychology.
  - Students wishing to declare psychology as a major must have earned a minimum GPA of 2.50.

Graduation Requirements

- Complete the General University Requirements for Baccalaureate Degrees (http://catalog.uaa.alaska.edu/undergraduateprograms/baccalaureaterequirements/).
- Complete the General Education Requirements for Baccalaureate Degrees (http://catalog.uaa.alaska.edu/undergraduateprograms/baccalaureaterequirements/gers/).
- All psychology majors are required to take the exit examination, a standardized test of knowledge of psychology approved by the Department of Psychology. There is no minimum score required for graduation. The exam is taken in the UAA Testing Center, and a fee will be charged to students.
- Complete the following major requirements:
  - All prerequisites for required psychology courses must be completed with a minimum grade of C. Students who audit or are unable to earn a minimum grade of C in a lower-division (100- or 200-level) PSY course may repeat the course two additional times on a space-available basis. Students who audit or wish to repeat an upper-division (300- or 400-level) PSY course may repeat the course one additional time on a space-available basis. Students repeating a course are required to complete all components of that course during the semester in which the course is retaken. When repeating a course with a lecture and laboratory component, both components must be repeated.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY A111</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY A150</td>
<td>Lifespan Development</td>
<td>3</td>
</tr>
<tr>
<td>PSY A200</td>
<td>Introduction to Behavior Analysis</td>
<td>3</td>
</tr>
<tr>
<td>PSY A260</td>
<td>Statistics for Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY A260L</td>
<td>Statistics for Psychology Lab</td>
<td>1</td>
</tr>
<tr>
<td>PSY A261</td>
<td>Research Methods in Psychology</td>
<td>4</td>
</tr>
<tr>
<td>&amp; A261L</td>
<td>and Research Methods in Psychology Laboratory</td>
<td></td>
</tr>
<tr>
<td>PSY A345</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY A370</td>
<td>Behavioral Neuroscience</td>
<td>3</td>
</tr>
<tr>
<td>PSY A375</td>
<td>Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY A468</td>
<td>Learning and Behavior</td>
<td>4</td>
</tr>
<tr>
<td>&amp; A468L</td>
<td>and Learning and Behavior Laboratory</td>
<td></td>
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</tbody>
</table>

Psychology Capstone Requirement

Each capstone option is designed to synthesize and apply material from the psychology major. Choice of a capstone should be based, at least in part, on the student's future career plans. Students planning to work in human service jobs following graduation should consider taking PSY A495A. Students planning on graduate work in psychology should consider taking PSY A412, PSY A428, PSY A499A, or PSY A499. Students may elect to take all of these courses as upper-division electives.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>PSY A412</td>
<td>History of Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY A428</td>
<td>Evolutionary Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY A495A</td>
<td>Psychology Practicum</td>
<td></td>
</tr>
<tr>
<td>PSY A499A</td>
<td>Developing Psychological Research</td>
<td></td>
</tr>
<tr>
<td>PSY A499</td>
<td>Senior Thesis</td>
<td></td>
</tr>
</tbody>
</table>

Psychology Electives

Complete an additional 9 credits of upper-division psychology courses.

Writing

WRTG A213 Writing and the Sciences 3

Mathematics and Statistics

Complete two of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH A121</td>
<td>College Algebra for Managerial and Social Sciences</td>
<td></td>
</tr>
<tr>
<td>or MATH A151</td>
<td>College Algebra for Calculus</td>
<td></td>
</tr>
<tr>
<td>MATH A221</td>
<td>Applied Calculus for Managerial and Social Sciences</td>
<td></td>
</tr>
<tr>
<td>SOC A462</td>
<td>Social Science Statistics</td>
<td></td>
</tr>
<tr>
<td>STAT A200</td>
<td>Elementary Statistics</td>
<td></td>
</tr>
<tr>
<td>STAT A253</td>
<td>Applied Statistics for the Sciences</td>
<td></td>
</tr>
</tbody>
</table>

Biology

Complete at least two of the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL A102</td>
<td>Introductory Biology</td>
<td></td>
</tr>
<tr>
<td>or BIOL A108</td>
<td>Principles and Methods in Biology</td>
<td></td>
</tr>
<tr>
<td>BIOL A111</td>
<td>Human Anatomy and Physiology I</td>
<td></td>
</tr>
<tr>
<td>BIOL A112</td>
<td>Human Anatomy and Physiology II</td>
<td></td>
</tr>
<tr>
<td>BIOL A200</td>
<td>Introduction to Complexity</td>
<td></td>
</tr>
<tr>
<td>BIOL A240</td>
<td>Introductory Microbiology for Health Sciences</td>
<td></td>
</tr>
</tbody>
</table>
Bachelor of Science in Psychology

BIOL A242 Fundamentals of Cell Biology
BIOL A252 Principles of Genetics
BIOL A273 Experiential Learning: Ecology and Evolution
BIOL A288 Principles of Evolution
BIOL A311 Experiential Learning: Animal Physiology
BIOL A320 Vertebrate Biology
BIOL A321 Experiential Learning: Vertebrate Biology
BIOL A412 Behavioral Endocrinology
BIOL A413 Neurophysiology
BIOL A414
BIOL A415 Comparative Animal Physiology
BIOL A417 Applied Kinesiology and Exercise Physiology
BIOL A418 Fish Physiology
BIOL A423 Ichthyology
BIOL A427 Marine Invertebrate Biology
BIOL A430 Marine Mammal Biology
BIOL A441 Animal Behavior
BIOL A442 Experiential Learning: Animal Behavior
BIOL A452 Human Genome
BIOL A455 Experiential Learning: Bioinformatics
BIOL A461 Molecular Biology
BIOL A464 Metals in Biology
BIOL A463 Molecular Biology of Cancer
BIOL A466
BIOL A467 Wildlife Ecology
BIOL/ CHEM A471 Immunology
BIOL A472 Biogeography
BIOL A473 Conservation Biology
BIOL/ CHEM A474 Ecotoxicology
BIOL A477 Tundra and Taiga Ecosystems
BIOL A480
BIOL A481 Marine Biology
BIOL A482
BIOL A483 Exploration Ecology
BIOL A484 Experiential Learning: Exploration Ecology Field Study
BIOL A486 Evolutionary Ecology
BIOL A487 Comparative Anatomy of Vertebrates
BIOL A489 Population Genetics and Evolutionary Processes

Experimental and Scientific Foundations 6-7

Complete two of the following:

ANTH A205 Biological Anthropology
ANTH A452 Culture and Human Biodiversity
ANTH A455 Culture and Health
CHEM A103 Introduction to General Chemistry
CHEM A104 Introduction to Organic and Biochemistry
CHEM A105 General Chemistry I
CHEM A106 General Chemistry II
CHEM A321 Organic Chemistry I
CHEM A322 Organic Chemistry II
CHEM A441 Principles of Biochemistry I
CHEM A442 Principles of Biochemistry II
CS A109 Computer Programming (Languages Vary)
ECON A101 Principles of Microeconomics
ECON A102 Principles of Macroeconomics
ECON A333 Experimental Economics
ECON A456 Behavioral Economics
ECON A459 Industrial Organization and Public Policy

Total 64-76

1 All of the above psychology capstone courses have rigorous prerequisites. Minimum grades of C in these prerequisites are required for admission into psychology’s capstone courses.

A minimum of 120 credits is required for this degree, of which 42 credits must be upper-division.

Concentration in Behavior Analysis

This concentration provides foundational knowledge and professional skills to apply the science of behavior analysis across a range of settings and client populations, including staff in the workplace, children and adults with intellectual and cognitive disabilities, and individuals with autism spectrum disorder. Completing the coursework below, in addition to required supervised practicum experience with a Board Certified Behavior Analyst, helps prepare students to apply for the Behavior Analysis Certification Board examination for becoming a Board Certified Assistant Behavior Analyst. Please go to UAA’s Authorization by State (https://www.uaa.alaska.edu/academics/office-of-academic-affairs/provost_office/uaa-state-authorization/authorization.cshtml/) website for information about licensure or certification in a state other than Alaska.

Concentration requirements:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY A200</td>
<td>Introduction to Behavior Analysis</td>
<td>3</td>
</tr>
<tr>
<td>PSY A400</td>
<td>Strategies of Behavior Change</td>
<td>3</td>
</tr>
<tr>
<td>PSY A495A</td>
<td>Psychology Practicum</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Complete a minimum of 6 credits of the following:</td>
<td>6</td>
</tr>
<tr>
<td>PSY A447</td>
<td>Behavioral Treatment of Autism Spectrum Disorder</td>
<td></td>
</tr>
<tr>
<td>PSY A455</td>
<td>Interventions for Challenging Behavior</td>
<td></td>
</tr>
</tbody>
</table>

Complete two of the following:

- PSY A200 Introduction to Behavior Analysis
- PSY A400 Strategies of Behavior Change
- PSY A495A Psychology Practicum
- Complete a minimum of 6 credits of the following:
  - PSY A447 Behavioral Treatment of Autism Spectrum Disorder
  - PSY A455 Interventions for Challenging Behavior
Honors in Psychology

The Department of Psychology recognizes exceptional undergraduate students by awarding them departmental honors in psychology. To graduate with departmental honors, the student must be a declared psychology major and meet the following requirements:

1. Satisfy all requirements for a Bachelor of Arts or Bachelor of Science in Psychology.
2. Maintain an overall and psychology specific GPA of 3.50.
3. Complete one additional 3-credit Psychology Capstone option other than PSY A499.
4. Complete PSY A499. The thesis project must be approved in advance by the Undergraduate Studies Committee and carried out by following applicable departmental guidelines.
5. Students intending to graduate with departmental honors must notify the Departmental Honors Committee in writing on or before the date they file their Application for Graduation with the Office of the Registrar.

Honors Student Learning Outcomes

Students graduating with departmental honors in psychology will possess:

- An advanced understanding and application of descriptive and inferential statistics and use of statistical software in data analysis.
- A broad knowledge of psychology’s historical foundation.
- The ability to conduct a critical review and analysis of existing psychological literature.
- The ability to design and execute empirical research that tests clearly stated hypotheses or addresses clearly articulated research questions.
- A clear understanding of research ethics and the responsible conduct of research in the field of psychology.
- The ability to communicate effectively in writing, in poster format, and in oral presentations, including mastery of APA style.
- The ability to draw conclusions from research findings, including recognition of the limitations, applications, and implications of the data, and a discussion of alternative explanations of the results.