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.

Licensure and/or Certification

This program is designed to meet the educational requirements for professional licensure or certification in the State of Alaska. However, the program might not meet the educational requirements for professional licensure or certification in other states. Please see UAA's Licensure and Certification website (https://www.uaa.alaska.edu/academics/office-of-academic-affairs/licensure.cshtml) for more information.

Admission Requirements

• Complete the Admission Requirements for Baccalaureate Degrees (http://catalog.uaa.alaska.edu/academicpoliciesprocesses/admissions/undergraduate/).
• 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/baccalaureatrequirements/).
• Complete the General Education Requirements for Baccalaureate Degrees (http://catalog.uaa.alaska.edu/undergraduateprograms/baccalaureatrequirements/ger/).
• 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 with a minimum cumulative GPA of 2.00 (C):

<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 &amp; A261L</td>
<td>Research Methods in Psychology and Research Methods in Psychology Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>PSY A345</td>
<td>Psychopathology</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 &amp; A468L</td>
<td>Learning and Behavior Laboratory</td>
<td>4</td>
</tr>
</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, 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>
</tr>
</thead>
<tbody>
<tr>
<td>PSY A412</td>
<td>History of Psychology</td>
</tr>
<tr>
<td>PSY A428</td>
<td>Evolutionary Psychology</td>
</tr>
<tr>
<td>PSY A495A</td>
<td>Psychology Practicum</td>
</tr>
<tr>
<td>PSY A499</td>
<td>Senior Thesis</td>
</tr>
</tbody>
</table>

Psychology Electives

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

Writing

WRTG A213 Writing and the Sciences

Mathematics and Statistics

Complete two of the following:

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

Biology

Complete at least two of the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL A111 &amp; A111L</td>
<td>Human Anatomy and Physiology I and Human Anatomy and Physiology I Lab</td>
</tr>
<tr>
<td>BIOL A112 &amp; A112L</td>
<td>Human Anatomy and Physiology II and Human Anatomy and Physiology II Lab</td>
</tr>
<tr>
<td>BIOL A200</td>
<td>Introduction to Complexity</td>
</tr>
</tbody>
</table>
Bachelor of Science in Psychology

BIOL A240 & A240L Introductory Microbiology for Health Sciences and Introductory Microbiology for Health Sciences Laboratory

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 A415 Comparative Animal Physiology

BIOL A417 Applied Kinesiology and Exercise Physiology

BIOL A418 Fish Physiology

BIOL A419 Sleep and Chronobiology

BIOL A423 Ichthyology

BIOL A424 Experiential Learning: 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 A463 Molecular Biology of Cancer

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 A481 Marine Biology

BIOL A483 Exploration Ecology

BIOL A484 Experiential Learning: Exploration Ecology Field Study

BIOL A486 Evolutionary Ecology

BIOL A487 Comparative Anatomy of Vertebrates

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

Total 64-76

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 39 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.

This program is designed to meet the requirements for professional licensure or certification in the State of Alaska. However, the program might not meet the educational requirements for professional licensure or certification in other states. Please see UAA's Licensure and Certification website (https://www.uaa.alaska.edu/academics/office-of-academic-affairs/licensure.cshtml/) for more information.

<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>PSY A447</td>
<td>Behavioral Treatment of Autism Spectrum Disorder</td>
<td>6</td>
</tr>
</tbody>
</table>

Concentration requirements:
Honors in Psychology

The Bachelor of Science in Psychology recognizes distinguished achievement by conferring programmatic honors in psychology. In order to receive honors in psychology, a student must meet the following requirements:

- Satisfy all requirements for a Bachelor of Science in Psychology;
- Maintain a minimum overall and psychology specific GPA of 3.50;
- Complete a total of three capstone courses:
  - One Psychology Capstone taken to meet the degree requirements.
  - PSY A499. The thesis project must be approved by the Undergraduate Studies Committee and carried out by following applicable departmental guidelines.
  - One additional Psychology Capstone course or a second term of PSY A499.
- 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.