Psychology (PSY)

The Department of Psychology offers a major that leads to the Bachelor of Science degree. Students majoring in Psychology are also eligible to complete the Program in Neuroscience or the Emphasis in Computational Science. The program in Neuroscience is an interdisciplinary examination of the nervous system and its regulation of behavior. It is administered by both the departments of Biology and Psychology. Many of the required courses will apply to both fields of study. A description of the Neuroscience (http://catalog.wofford.edu/courses-programs-departments/neuroscience/) program requirements can be found the Catalog. The Emphasis in Computational Science is an interdisciplinary field which applies computer science and mathematics to psychology and other natural sciences. For requirements, see the Computational Science (http://catalog.wofford.edu/courses-programs-departments/computer-science/) section of the Catalog.

Honors Courses

The Department of Psychology encourages its students to undertake honors work. For further information, students should review the section on Honors Courses (http://catalog.wofford.edu/academics/academic-honors/honors-courses/) in this Catalog.

Chair

Cecile M. Nowatka

Professors

Kara L. Bopp
Crystal C. Carr
Dane C. Hilton
John C. Lefebvre
Dawn E. McQuiston
David W. Pittman
Katherine M. Steinmetz

Requirements for the Major in Psychology

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<tr>
<th>Course</th>
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<th>Hours</th>
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<td>Select one course from the following:</td>
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<tr>
<td>BIO 150</td>
<td>Biological Inquiry (with lab)</td>
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<tr>
<td>CHEM 104</td>
<td>Chemistry: Concepts &amp; Methods (with lab)</td>
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<td>CHEM 123</td>
<td>General Chemistry I (with lab)</td>
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<tr>
<td>ENVS 150</td>
<td>Introduction to Earth System Science (with lab)</td>
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<td>ENVS 160</td>
<td>Introduction to Sustainability Science (with lab)</td>
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<tr>
<td>PHY 104</td>
<td>Physics: Concepts &amp; Methods (with lab)</td>
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<td>PHY 108</td>
<td>Astronomy (with lab)</td>
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<td>PHY 121</td>
<td>General Physics I (with lab)</td>
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<tr>
<td>PHY 141</td>
<td>Physics for Science &amp; Engineering I (with lab)</td>
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PSY 150. Introduction to Psychological Science (with lab). 4 Hours.
Identical to PSY 110 with a lab component. This course will provide
students with a broad knowledge base of the major concepts, theories,
and research methods in the field of psychology. Emphasis will be
placed on the use of critical thinking skills, and how students can apply
psychological principles to their lives. The laboratory section will provide
the opportunity to collect, analyze, and interpret data. Student will also
understand and develop scientific writing and oral communication skills
through revised APA style report and a presentation. Students may not
earn credit for both PSY 110 and PSY 150.

PSY 160. Introduction to Statistics in Psychology. 3 Hours.
Students will learn basic concepts in descriptive and inferential statistics,
emphasizing applications to psychology. The course will also focus on
the use of appropriate statistical methods when conducting research,
assessing the validity of statistical results in scientific work, and writing
scientific results using APA guidelines. Students will learn the necessary
fundamental knowledge needed to complete further psychology
laboratory courses.
Prerequisite: PSY 110 with a minimum grade of D or PSY 150 with a
minimum grade of D.

PSY 161. Research Methods in Psychology. 3 Hours.
Course is designed to acquaint students with scientific methods used
in psychology. Students will acquire skills necessary to design reliable
and valid experiments, interpret data, and write scientific reports using
APA (American Psychological Association) guidelines. The course covers
fundamental methodological, statistical, and writing skills necessary for
further laboratory courses.
Prerequisite: PSY 160 with a minimum grade of C.

PSY 220. Abnormal Psychology. 3 Hours.
The study of the causes of inappropriate behaviors and cognitions
(including mental illness) and techniques for redirecting such behaviors
and cognitions.

PSY 230. Biological Psychology (with lab). 4 Hours.
An introduction to the concepts and experimental techniques of biological
psychology. This course covers the scope of genetic, neural, and
hormonal processes that underlie behavior.
Prerequisite: PSY 161 with a minimum grade of C or PSY 200 with a
minimum grade of C.

PSY 240. Child & Adolescent Development. 3 Hours.
A survey of child and adolescent development. Major theories about and
influences on cognitive, emotional, physical, and moral development are
explored.

PSY 250. Social Psychology. 3 Hours.
An exploration of the basic questions addressed by social psychology
(e.g., how people influence each other) and the classic experiments
directed to test the theories.

PSY 255. Introduction to Research. 1 to 3 Hours.
Research experience is an integral skill required in the field of
psychology. This course provides an opportunity for students to become
engaged in research projects in the Department of Psychology early in
their undergraduate education.

PSY 256. Introduction to Research II. 1 to 3 Hours.
Research experience is an integral skill required in the field of
psychology. This course provides an opportunity for students to become
engaged in research projects in the Department of Psychology early in
their undergraduate education.

PSY 260. Personality. 3 Hours.
The development and identification of personality from an experimental/
empirical standpoint.

PSY 270. Health Psychology. 3 Hours.
An introduction to the rapidly developing field of health psychology.
Our thoughts, feelings, motives, and behaviors influence our physical
health, and they are involved in the causes and maintenance of various
potentially fatal diseases. This course explores how psychology
contributes to an understanding of the genesis, treatment, maintenance,
and prevention of a number of medical conditions, as well as implications
for health care practice and policy.

PSY 280. Selected Topics in Psychology. 0 to 4 Hours.
Selected topics in psychology at the introductory or intermediate level.

PSY 300. Learning & Adaptive Behavior (with lab). 4 Hours.
A survey of the general principles of learning and adaptive behavior in
humans and lower animals. The course emphasizes the evolution of
these mechanisms, their current adaptive function, and current models of
learning processes.
Prerequisite: PSY 230 with a minimum grade of D.

A survey of the experimental analysis of how the mind works, including
the topics of perception, attention, human memory, language, imagery,
problem solving and decision making.
Prerequisite: PSY 230 with a minimum grade of D.

PSY 315. Sensation & Perception (with lab). 4 Hours.
A study of how the mind processes incoming sensory neural signals
in order to create our perception of the world, including topics of
transduction, neural coding, and the influence of cognitive processes
such as attention, memory and experience.
Prerequisite: PSY 230 with a minimum grade of D.

PSY 325. Abnormal Child Psychology. 3 Hours.
A seminar course designed to synthesize the various problematic
behaviors, cognitions, and emotion in children. Students will integrate the
major issues in the assessment, classification, and treatment of childhood
disorders as well as evaluate the current scientific literature related to
these disorders. An emphasis will be placed on class participation, writing
assignments, and reading original journal articles.
Prerequisite: (PSY 160 with a minimum grade of C or PSY 200 with
a minimum grade of C) and (PSY 220 with a minimum grade of C or
PSY 240 with a minimum grade of C).

PSY 330. Behavioral Neuroscience. 3 Hours.
An advanced study of the relationship between the human nervous
system and behavior. Both case studies and primary research will be
used as a model to explore a wide spectrum of behaviors and neural
systems not including neurological disorders. The optional lab provides
an opportunity to gain expertise in the quantification and analysis of
animal behavior as well as advanced electrophysiological techniques
such as EEG, EOG, integrated whole nerve recordings, and single
neuron recordings in both human and animal models. Students with
the appropriate academic background may be exempted from the
prerequisite by the instructor.
Prerequisite: PSY 230 with a minimum grade of D.
PSY 333. Clinical Neuroscience. 3 Hours.
An advanced study of the relationship between the human nervous system and behavior using neurological disorders as the model. Both case studies and primary research will be used to explore a wide spectrum of neurological disorders. Students with the appropriate academic background may be exempted from the prerequisite by the course instructor.
Prerequisite: PSY 230 with a minimum grade of D.

PSY 335. Affective Neuroscience. 3 Hours.
Affective neuroscience refers to the study of the brain's role in processing emotions, moods and attitudes. In addition to providing an overview of the methods used in affective neuroscience, this course will explore topics including, how emotions are used to make decisions, how emotional responses can be regulated, and how emotional experiences are perceived, attended to and remembered. This course will also examine how these processes break down in affective disorders such as depression, anxiety disorders and post-traumatic stress disorder.
Prerequisite: PSY 230 with a minimum grade of D.

PSY 337. Human Memory. 3 Hours.
A seminar course designed to examine specific research questions, methods, findings and conclusions about human memory. Students will read, analyze and discuss current and classic original journal articles. Emphasis will be placed on improving skills of critical thinking, article reading, APA style writing, and public speaking in the context of memory research.
Prerequisite: PSY 230 with a minimum grade of D.

PSY 340. Adult Development and Aging. 3 Hours.
A study of development (cognitive, emotional, and social, through adulthood and aging) and of relevant issues such as Alzheimer's disease and death.
Prerequisite: PSY 230 with a minimum grade of D and PSY 240 with a minimum grade of D.

PSY 350. Social Psychology (with lab). 4 Hours.
A survey and experiential laboratory course that explores the concepts, theories, and methods in social psychology (e.g., how people influence each other). Students may take PSY 230 concurrently.
Prerequisite: PSY 161 with a minimum grade of C and PSY 230 with a minimum grade of D.

PSY 351. Psychopharmacology. 3 Hours.
A study of the actions of psychoactive drugs on the nervous system and behavior. Some prior acquaintance with basic neuroanatomy, neurophysiology, and behavioral techniques is suggested.
Prerequisite: PSY 230 with a minimum grade of D.

PSY 355. Industrial Psychology. 3 Hours.
A general course designed to acquaint students with the uses of psychology in industrial applications. Emphasis on interviewing, motivating, selling, brainstorming, and related aspects of social psychological processes in industrial settings. Of special interest to students of business, law, and the ministry.
Prerequisite: PSY 161 with a minimum grade of D or PSY 200 with a minimum grade of D.

PSY 360. Applied Statistics for Psychology. 3 Hours.
A course in statistics and other quantitative methods applied to psychology.
Prerequisite: MATH 140 with a minimum grade of D and (PSY 161 with a minimum grade of D or PSY 200 with a minimum grade of D).

PSY 365. Psychology & the Law. 3 Hours.
A seminar course designed to examine empirical research and procedural/investigative issues in the interface of psychology and law. This course will explore standard practices in the criminal justice system and psychological research devoted to investigating and improving those practices.
Prerequisite: PSY 110 with a minimum grade of D or PSY 150 with a minimum grade of D.

PSY 420. Clinical Psychology. 3 Hours.
A course teaching techniques of interviewing clients to diagnose problems, types of therapy and their appropriateness for the various types of problems, the distinction between ineffective and effective therapeutic techniques, and the measurement of the effectiveness of an intervention. This course exposes students to the research, teaching, and clinical service roles performed by clinical psychologists.
Prerequisite: (PSY 160 with a minimum grade of D or PSY 200 with a minimum grade of D) and PSY 220 with a minimum grade of D and (PSY 250 with a minimum grade of D or PSY 260 with a minimum grade of D or PSY 270 with a minimum grade of D).

PSY 430. Psychological Assessment. 3 Hours.
A study of the function, construction, and application of standardized tests as part of a broader approach to the assessment of the individual. Special emphasis on intelligence testing.
Prerequisite: (PSY 161 with a minimum grade of D or PSY 200 with a minimum grade of D) and PSY 220 with a minimum grade of D.

PSY 448. Internship. 3 Hours.
A course in which students become involved in the practical application of psychological training. Students work a minimum of ten hours a week in a community program under supervision at such agencies as the Spartanburg Mental Health Center, Broughton State Hospital, Charles Lea Center, or Spartanburg Alcohol and Drug Abuse Commission. Open only to students majoring in Psychology.

PSY 450. Comparative Cognition. 3 Hours.
A seminar designed to examine specific research questions, methods, findings, and conclusions about comparative cognition. Students will learn about specific topics within animal cognition by reading, analyzing, and discussing current and classic original journal articles. The course emphasizes improving skills of critical thinking, article reading, writing in APA style, and public speaking in the context of research in comparative cognition. Instructor permission required.
Prerequisite: PSY 300 with a minimum grade of D.

PSY 451. Senior Thesis I. 4 Hours.
A research-oriented seminar focusing on the mechanisms of behavior, cognition, perception, or social interaction. Students conduct a major experiment with human or animal subjects and present their findings in a written report meeting American Psychological Association journal form requirements. A comprehensive written review of the professional literature in the student's area of research is also required. Students must complete either 451 or 452, but they may complete both courses.
Prerequisite: PSY 300 with a minimum grade of D or PSY 310 with a minimum grade of D or PSY 315 with a minimum grade of D.
PSY 452. Senior Thesis II. 4 Hours.
A research-oriented seminar focusing on the mechanisms of behavior, cognition, perception, or social interaction. Students conduct a major experiment with human or animal subjects and present their findings in a written report meeting American Psychological Association journal form requirements. A comprehensive written review of the professional literature in the student's area of research is also required. Students must complete either 451 or 452, but they may complete both courses. **Prerequisite:** PSY 300 with a minimum grade of D or PSY 310 with a minimum grade of D or PSY 315 with a minimum grade of D.

PSY 460. Advanced Research. 0 to 4 Hours.
This course is designed to permit students to learn independent research techniques through actually planning and conducting an experiment. A final paper meeting American Psychological Association journal form requirements completes the experiment. Open only to students majoring in Psychology.

PSY 480. Advanced Topics in Psychology. 1 to 4 Hours.
An intensive examination of an advanced area of psychology. Specific content is designed to meet the needs and interests of students. Open only to students majoring in psychology.

PSY 500. Honors Course. 3 Hours.
At the discretion of the faculty, students may undertake a six-hour independent course of study in the senior year in order to broaden their educational experience within their major area of study. Students must meet specific GPA standards and arrange a faculty sponsor. The honors course criteria are outlined in the Academic Honors portion of the catalog.