Department of Psychology

FACULTY  Professors Etaugh, Huffcutt, D.E. Montgomery, Schmitt (chair); Associate Professors D.A. Montgomery, Roberts, Schweigert; Assistant Professor Koelzow.

Psychology is the scientific study of behavior. Our program emphasizes both knowledge of the specific subject areas of psychology and the way of thinking that characterizes the field. The undergraduate degree in psychology provides the foundation for a variety of industrial or human service positions and also serves as preparation for advanced study leading to master’s, doctoral, or professional degrees.

Facilities for students include research laboratories, such as the Child Study Center for research on children under four years of age, and a student resource room with wireless laptop availability. Faculty research areas include child development, human sexuality, psychology of women, personnel selection, health behavior change, behavioral pharmacology, and psycholinguistics. Undergraduate students frequently work with faculty on research projects; internships for course credit also are available at local mental health facilities.

Students transferring into Psychology from other Bradley majors must have a GPA of 2.5 or greater.

Psychology Major
To major in psychology the student must complete a minimum of 34 hours that will include:

1. PSY 104 (with a grade of C or better).
2. PSY 205 (with a grade of C or better).
3. PSY 306.
4. A minimum of one course from the each of the following categories. Only jr.-sr. level classes may be transferred from other institutions as category requirements.

   **Category A: Social & Cognitive Bases**
   - PSY 304 Developmental Psychology
   - PSY 307 Cognitive Psychology
   - PSY 308 Social Psychology

   **Category B: Biological Bases**
   - PSY 302 Psychology of Learning
   - PSY 403 Physiological Psychology
   - PSY 404 Sensation and Perception

   **Category C: Applications**
   - PSY 310 Industrial and Organizational Psychology
   - PSY 320 Human Factors
   - PSY 345 Abnormal Psychology
   - PSY 410 Health Psychology

   **Category D: Quantitative and Integrative**
   - PSY 411 Tests and Measurement
   - PSY 415 Intermediate Statistics
   - PSY 439 History of Psychology
   - PSY 452 Personality Theories & Theorists

5. BIO 121, 122, or 200 (3 semester hours).
6. Nine additional semester hours (three courses) from any of the psychology course offerings (including those listed under item 4 above).
7. Only six hours of individual study courses (PSY 380, 481, 491) will count toward the major.
8. Completion of Psychology Department senior assessment survey and standardized exam within the final semester at Bradley as an undergraduate.

Psychology Minor
To minor in psychology the student must complete a minimum of 18 hours which will include:

1. PSY 104 (with a grade of C or better)
2. One from the following core academic courses—PSY 302, 304, 307, 308, 345, 403, 404, 439;
3. Four other courses (12 semester hours) from the Psychology Department course offerings
4. Nine hours of psychology courses must be at the 300 level or above

   Student may not count both PSY 206 and PSY 207; and (b) individual study courses (PSY 380, 481, 491).
Course Descriptions

PSY 104  Principles of Psychology: Social Forces and Individual Behavior  3 hrs. (Gen. Ed. SF)
Impact of social forces and institutions on individual behavior; interaction between individual and social environment.

PSY 200  Evolutionary Psychology  3 hrs.
Fossil evidence for human evolution; impact of evolutionary history on the development of human behavior; how evolutionary theory can be applied to understanding human behavior in contemporary society. Prerequisites: PSY 104; or consent of instructor.

PSY 205  Quantitative Methods  3 hrs.
Introduction to applied statistical analysis: data reduction and representation; frequency distributions and their measures; probability; sampling theory; tests of significance. Not open to non-majors with credit in QM 262, QM 263, or MTH 111. Prerequisite: 3 hours of college mathematics or consent of instructor.

PSY 206  Behavior Analysis in Perspective  3 hrs.
Principles of operant psychology applied to human behavior, with psychoanalysis and other systems presented for contrast and historical context. Prerequisites: PSY 104.

PSY 207  Analysis of Behavior  4 hrs.
Environmental factors applied to specification and understanding of behavior. Laboratory work with animals. Prerequisite: PSY 104.

PSY 245  Personality and Adjustment  3 hrs.
Human adjustment and factors in mental health. Prerequisite: PSY 104.

PSY 300  Psychology of Women  3 hrs. (Gen. Ed. CD)
Women and their behavior: influence of psychological, social, and biological factors. Prerequisite: PSY 104.

PSY 302  Psychology of Learning  3 hrs.
Variables and conditions that affect the learning process; theories of learning. Prerequisite: PSY 104.

PSY 304  Developmental Psychology  3 hrs.
Mental, physical, and social development from birth to adulthood. Prerequisite: PSY 104.

PSY 306  Experimental Psychology  4 hrs.
Basic principles of research design and interpretation; emphasis on experimental method. Laboratory work in human learning. Prerequisite: PSY 205 or consent of instructor.

PSY 307  Cognitive Psychology  3 hrs.
Attention, memory, language use, problem solving, and artificial intelligence. Prerequisite: PSY 104.

PSY 308  Social Psychology  3 hrs.
Theories, research finding, and methods of social psychology. Topics include person perception, attitude change, interpersonal attraction, aggression, competition, group processes, and leadership. Prerequisite: PSY 104 or equivalent.

PSY 310  Industrial and Organizational Psychology  3 hrs.
Job analysis, psychological testing, interviewing, performance appraisal, employment law, leadership, motivation, training, job satisfaction, organizational theory, and research methods. Prerequisites: PSY 104; PSY 205 or equivalent.

PSY 314  Adult Development and Aging  3 hrs.
Introduction to conceptual issues, research methods, and available data in adult development and aging. Prerequisite: PSY 104.

PSY 320  Human Factors Psychology  3 hrs.
Introduction to psychological concepts and methods relevant to human-machine system design. Emphasis on issues related to human sensory, perceptual, cognitive, and motor performance. Survey of current areas of application. Prerequisites: PSY 104; PSY 205 or equivalent.

PSY 334  Motivation and Emotion  3 hrs.
Current theory and research in motivation and emotion. Prerequisite: 6 hours of psychology.

PSY 345  Abnormal Psychology  3 hrs.
Psychological disorders of adulthood, including psychotic, affective, anxiety, substance-related, and personality disorders. Current knowledge of symptoms, prevalence, course, etiology, treatment, and prevention. Prerequisite: 6 hours of psychology or consent of instructor.

PSY 380  Undergraduate Practicum  1-3 hrs.
Supervised work in applied settings such as mental health clinics, preschool classrooms, and counseling centers; qualified students may assist in psychology laboratory courses. May be repeated for maximum of 6 hours credit. Prerequisites for each section: 01, Child Study Center, PSY 304; 02, Classroom Assistance, PSY 206 or 207; 03, Community Agency, junior standing in psychology and consent of instructor.

PSY 400  Honors Research  3 hrs.
Completion of an honors thesis proposal in psychology. Topics include preparing a literature review, design and methods in psychology, hypothesis testing using statistical analyses, ethics in research, and professional issues pertaining to psychological research. Prerequisites: PSY 306; junior standing; honors program participant or instructor consent.

PSY 402  Human Sexuality  3 hrs.
Current knowledge concerning human sexuality. Prerequisite: 6 hours of psychology or consent of instructor.
PSY 403 Physiological Psychology 3 hrs.
Physiological bases of behavior; emphasis on the neural structure and functional concomitants of receptor and effector processes, motivation, emotion, and learning. Prerequisites: 6 hours of psychology; 3 hours of biology or consent of instructor.

PSY 404 Sensation and Perception 3 hrs.
Physiology of the senses; processes by which sensory stimulation produces perceptual experiences. Prerequisites: 6 hours of psychology; 6 hours of biology; or consent of instructor.

PSY 405 Issues in Applied Psychology 1-3 hrs.
Study of special issues related to applied psychology, which may vary each time the course is offered. Topic stated in current Schedule of Classes. May be repeated under a different topic for a maximum of 6 hours credit. Prerequisite: 9 hrs. of psychology.

PSY 406 Issues in Theoretical Psychology 1-3 hrs.
Study of special issues related to theoretical and experimental psychology, which may vary each time the course is offered. Topic stated in current Schedule of Classes. May be repeated under different topics for a maximum of 6 hours of credit. Prerequisites: 9 hours of psychology or consent of the instructor.

PSY 410 Health Psychology 3 hrs.
Biological, psychological, and social interactions that influence an individual's state of health and illness. Stress, pain, cardiovascular risk, cancer, chronic illness, addictive behaviors. Prerequisites: 6 hours of psychology and 3 hours of biology.

PSY 411 Tests and Measurement 3 hrs.
Types of psychological tests, psychometric properties of tests, development and analysis of test items. Prerequisites: PSY 205 or equivalent; junior/senior standing.

PSY 414 Cognitive Development 3 hrs.
Provides an overview of cognitive change during childhood. Theoretical perspectives and research findings in major areas such as infant cognition, memory, language, concept formation, number, problem-solving, and social cognition. Applied issues pertaining to developmental disabilities and education will also be considered. Prerequisite: PSY 304 or ETE 225; 9 hours of psychology.

PSY 415 Intermediate Statistics for Psychology 3 hrs.
Conceptual foundations of hypothesis testing, introduction to meta-analysis and its procedures, exploration of multiple regression/correlation and related applications such as factor analysis. Prerequisite: PSY 205 or MTH 111 or QM 262 or equivalent.

PSY 439 History of Psychology 3 hrs.
Conceptual origins, problems and controversies, and ideas that gave rise to modern psychology. Prerequisite: 15 hours of psychology or consent of instructor.