

Psychology

Chair, Professor M. Cosgrove
Professors J. Lund, V. Maloney, S. Snyder
Associate Professor D. Dungan
Assistant Professors D. Johnson, S. Moeschberger, C. Sisson

Psychology involves the systematic study of human behavior and the mental and physiological processes that underlie it. Each course seeks to integrate psychological data with major biblical beliefs. The aim of the department is to train Christian psychology students who upon graduation are prepared for further academic studies or professional responsibilities.

The bachelor of arts degree requires completion of two years of one foreign language. The bachelor of science degree must be combined with curriculum requirements in systems analysis. Psychology may also be selected as at least one of three blocks in the social studies education major (see page 106-108 or education department for detailed curriculum guides).

Psychology (BA)

The bachelor of arts degree with a major in psychology requires 38 hours.

Major Requirements

PSY 110	3	Foundations of Psychology
PSY 125	2	Intrapersonal Psychology
PSY 210	2	Ethics in Psychology
PSY 250	3	Life Span Development
PSY 272	3	Research in Psychology
PSY 310	3	Integration of Psychology and Christianity
PSY 321	3	Social Psychology
PSY 480	3	Psychology Seminar

Select one course from the following:

PSY 370	3	Research Lab
PSY 370	3	Advanced Research
PSY 393	3	Practicum
PSY 450	3	Directed Research

PSY 393 or a research experience course may be used as an elective if not used in the core.

PSY 200 and 240 may not count for elective hours in the major.

PSY 393 and a research experience course may be used only once to meet major requirements.

By permission only, an additional 1-3 hours of research credit beyond 3 hours of any research experience may be taken for elective credit.

Electives

Select a minimum of four courses totaling at least 12 elective hours from the following:

PSY 140	2	Applied Psychology
PSY 220	3	Sport Psychology
PSY 300	4	Abnormal Psychology
PSY 330	3	Statistics and Design in Psychological Research
PSY 331	3	Biblical Psychology
PSY 360	1-4	Independent Study
PSY 370	1-4	Selected Topics
PSY 390	3	Christian Marriage
PSY 400	3	Theories of Personality
PSY 410	3	Motivation
PSY 411	3	Learning: Theory and Application
PSY 420	3	Cognition
PSY 422	3	Psychological Testing
PSY 441	3	Physiological Psychology
PSY 461	3	Fundamentals of Counseling
PSY 490	1-2	Honors

Students who anticipate attending graduate school are encouraged to complete the following:

PSY 300	4	Abnormal Psychology
PSY 330	3	Statistics and Design in Psychological Research
PSY 422	3	Psychological Testing
PSY 441	3	Physiological Psychology

Psychology/Pre-Medicine Concentration (BA)

The bachelor of arts degree with a major in psychology/pre-medicine concentration consists of the 38-hour psychology major requirements and the following pre-medicine concentration requirements.

Concentration Requirements

Biology Courses

BIO 101	4	Principles of Cell Biology
BIO 203	4	Principles of Genetics
BIO 312	4	Cellular and Molecular

Select one course from the following:

BIO 331	4	Comparative Anatomy
BIO 452	4	Animal Physiology

Chemistry Courses

CHE 211	4	College Chemistry I
CHE 212	4	College Chemistry II
CHE 311	4	Organic Chemistry I
CHE 312	4	Organic Chemistry II

Math Courses

MAT 230	4	Calculus II
---------	---	-------------

Select one option from the following:

MAT 151	4	Calculus I
---------	---	------------

iMAT 145	3	Introduction to Functions and Calculus
and		
iMAT 146	3	Functions and Calculus

iMAT 145 & 146 count as one option.

Physics Courses

PHY 203	4	General Physics I
PHY 204	4	General Physics II

Psychology Course (strongly recommended)

PSY 330	3	Statistics and Design in Psychological Research
---------	---	---

Psychology/Systems (BS)

The bachelor of science degree with a major in psychology/systems consists of the 38-hour major and curriculum requirements in systems analysis. All systems curriculum courses must be completed with a grade of C- or better.

Systems Curriculum Requirements

COS 120	4	Introduction to Computer Science I
IAS 330	3	Human Relations in Organizations
MAT 151	4	Calculus I
MAT 382	3	Advanced Statistical Methods
SYS 101	3	Introduction to Systems
SYS 390	3	Information Systems Analysis
SYS 392	1	Systems Seminar
SYS 394	3	Information Systems Design
PSY 393	3-4	Practicum

Select one course from the following:

SYS 401	4	Operations Research
SYS 402	4	Modeling and Simulation

Select one course from the following:

COS 121	4	Introduction to Computer Science II
COS 240	3	Business Application Programming

Select one course from the following:

MAT 210	4	Introductory Statistics
MAT 352	4	Mathematical Statistics

Systems Electives

Select at least three hours of electives, in addition to those required in the major or systems.

COS 265	3	Data Structures and Algorithms
COS 382	3	Language Structures
MAT 230	4	Calculus II
MAT 240	4	Calculus III
MAT 245	4	Linear Algebra
MAT 251	4	Differential Equations
SYS 214	3	Principles of Human Computer Interaction
SYS 310	3	E-Commerce
SYS 401	4	Operations Research
SYS 402	4	Modeling and Simulation
SYS 403	3	Operations Management

Psychology Minor

A minor in psychology requires 18 hours.

Minor Requirements

Select one course from the following:

PSY 110	3	Foundations of Psychology
PSY 200	3	Introduction to Psychology

Electives

Select an additional 15 hours of psychology electives.

PSY 110 or 200 may not count in the elective hours for the minor.

Only one developmental class may be taken for the minor (PSY 240, 250, 340, or 350).

Psychology Courses

PSY 110 3 hours

Foundations of Psychology

An historical and philosophical introduction to the discipline of psychology. Topics include worldviews in psychology, history of psychology, current perspectives in psychology and models of integration of psychology and Christianity. Meets general education general social science requirement.

PSY 125 2 hours

Intrapersonal Psychology

The study of how to process the emotional dynamics of anger, guilt, anxiety and grief while becoming mature, emotionally integrated social beings.

PSY 140 2 hours

Applied Psychology

This is an introduction to practical uses and applications in psychology. Topics covered range from industrial psychology to legal issues.

PSY 170 1-4 hours

Selected Topics

A course offered on a subject of interest but not listed as a regular course offering. May count toward the departmental major and general education requirements.

PSY 200 3 hours

Introduction to Psychology

An introduction to the subject matter and methods of psychology. Topics on human development, personality, learning, sensation, perception, motivation, emotion, mental health and social psychology are considered. Meets general education general social science requirement.

PSY 210 2 hours

Ethics in Psychology

A study of various models of ethics, with a desire to develop a Christian model. The Christian model is then applied to various issues in counseling, psychopathology, research, human development, law, and educational psychology. Prerequisite: PSY 110 or 200.

PSY 220 3 hours

Sport Psychology

This course investigates the interpersonal, societal, and cultural variables that surround athletics and sports in our contemporary culture. Topics include personality variables of the successful athlete; anxiety and arousal in sports, as well as strategies to assist in the control of these states; motivation; casual attributions for success and failure in athletes and coaches; the role of the direct and indirect contexts of sports and competition; and exercise psychology.

PSY 240 3 hours

Child Psychology

This course deals with the subject matter of developmental psychology (cognitive, physical, and socio-emotional development) and also applies the subject matter to those actively working with children, including parents, teachers, coaches, etc. Meets general education general social science requirement. Does not count in psychology major.

PSY 250 3 hours

Life Span Development

This course is designed to provide a general overview of the developmental process in humans from conception through death and dying. Included is attention to the physical, cognitive psychosocial and spiritual developments. Meets general education general social science requirement.

PSY 270 1-4 hours

Selected Topics

A course offered on a subject of interest but not listed as a regular course offering. May count toward the departmental major and general education requirements.

PSY 272 3 hours

Research in Psychology

Research methods in psychology are studied and critiqued. Students are involved in practical research and writing assignments. Prerequisite: PSY 110 or 200.

- PSY 300** 4 hours
Abnormal Psychology
A study of the nature, causes, and treatment of maladaptive behavior, with special consideration given to the symptoms and dynamics of psychological disorders. *Prerequisite: PSY 110 or 200.*
- PSY 310** 3 hours
Integration of Psychology and Christianity
An examination of the relationship between psychology and Christian beliefs about human nature. Topics involve the presuppositions of modern psychology, the Christian view of the person, and tension areas between psychology and theology. *Prerequisite: PSY 110 or 200.*
- PSY 321** 3 hours
Social Psychology
A study of how the thought, feeling, or behavior of individuals is influenced by the actual, imagined, or implied presence of others. Topics include social perception, conformity prejudice, aggression, attitudes and their change, affiliation, and altruism. *Prerequisites: PSY 110 or 200; PSY 250 and 272.*
- PSY 330** 3 hours
Statistics and Design in Psychological Research
Introductory course that surveys common statistical concepts in psychological research. It also examines and critiques the major research designs used in psychology today. *Prerequisites: PSY 110 or 200; and PSY 272.*
- PSY 331** 3 hours
Biblical Psychology
A survey of biblical teaching on the nature of the person, its relationship to emotional and behavioral problems, and solutions to those problems. *Offered spring semester.*
- PSY 340** 3 hours
Adolescent Psychology
This course deals with the problems of adolescent development and resulting issues, including peer pressure and conformity, adult-adolescent conflicts, cognitive changes, adjustments to physical changes, struggles with identity, etc. Contemporary issues, including drug and alcohol use, eating disorders, and teen sexuality are also discussed. The focus is on a practical application of research literature with an integration of biblical principles. *Meets general education general social science requirement. Offered spring semester.*
- PSY 350** 3 hours
Child and Adolescent Psychology
This course surveys the characteristics of growth and development of children through adolescence, including physical, psychological, social, cognitive, and emotional aspects. School-related contemporary issues such as child abuse, drug and alcohol use, peer pressure, and teenage sexuality are discussed. *Meets general education general social science requirement. Does not count in psychology major. Offered fall semester.*
- PSY 357** 3 hours
Peace, Reconciliation, and Justice
This course provides a basic introduction to the role of psychology in helping to establish peaceful societies around the world. It will seek to integrate a Christian worldview with current trends in peacemaking, including topics such as forgiveness, reconciliation, and social justice. Attention will be given to ethnopolitical conflicts from a multi-disciplinary perspective.
- PSY 360** 1-4 hours
Independent Study
An individualized, directed study involving a specified topic.
- PSY 370** 1-4 hours
Selected Topics
A course offered on a subject of interest but not listed as a regular course offering. *May count toward the departmental major and general education requirements.*
- PSY 390** 3 hours
Christian Marriage
A practical and applied course that integrates psychological literature and biblical teaching in the subject areas of the marriage relationship. These areas include marriage foundations, dating and engagement, premarital sexual behavior, singleness, mate selection, marriage success and satisfaction, love and infatuation, marriage roles, communication and conflict and divorce.
- PSY 393** 1-4 hours
Practicum
Supervised learning involving a first-hand field experience or a project. Generally, one hour of credit is awarded for a minimum of 40 hours of practicum experience. *Offered primarily during summer.*
- PSY 400** 3 hours
Theories of Personality
A study of the major current systematic psychological theories of personality. Consideration is given to their underlying assumptions and usefulness for research and therapeutic practice. *Prerequisites: PSY 110 or 200; and three additional hours in psychology or social work.*
- PSY 410** 3 hours
Motivation
This course is designed to provide a theoretical, Christian, practical understanding of motivation. Motivation is addressed by looking at its historical development and models of volition, affection, intellect, and biology. *Prerequisites: PSY 110 or 200; and six additional hours in psychology. Offered fall semester of every other year.*
- PSY 411** 3 hours
Learning: Theory and Application
The study of major learning theories and their application to advertising, education, counseling, and daily problems of life. *Prerequisite: PSY 110 or 200.*
- PSY 420** 3 hours
Cognition
The scientific study of the cognitive functions of memory, attention, perception, learning styles, imagery, decision making, problem solving, and metacognition, with application for implementing this information. *Prerequisites: PSY 110 or 200; and six additional hours in psychology. Offered fall semester of every other year.*
- PSY 422** 3 hours
Psychological Testing
A study of the principles of psychological testing, considering both the theoretical and practical foundations underlying the construction, use, and interpretation of various psychometric instruments. The student is given opportunity to administer, score, and interpret selected instruments. *Prerequisites: PSY 110 or 200; and PSY 330. Offered spring semester.*
- PSY 441** 3 hours
Physiological Psychology
A study of the neurophysiology underlying human behavior. Emphasis is given to central nervous system mechanisms that mediate sensation, consciousness, learning, motivation, and emotional behavior. *Offered spring semester.*
- PSY 450** 1-4 hours
Directed Research
Investigative learning involving closely directed research and the use of such facilities as the library or laboratory.
- PSY 461** 3 hours
Fundamentals of Counseling
An analysis of the major theories and approaches to counseling, correlating them with counterpart theories of personality and learning. Each major theory is dealt with in the light of biblical revelation. As a result, the student is encouraged to formulate a tentative theory of counseling consistent with biblical truth. *Prerequisites: PSY 110 or 200; PSY 310.*
- PSY 480** 3 hours
Psychology Seminar
Required for senior psychology majors with an emphasis on directed readings and discussion. The content of the readings and discussions will focus on integrative material in the discipline, as well as contemporary issues confronting not only professional psychologists, but lay persons as well. *Offered January interterm.*
- PSY 490** 1-2 hours
Honors
Individualized study or research of an advanced topic within a student's major. Open to students with a minimum GPA of 3.00 in the major field.