

Psychology

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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 proficiency 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 a concentration in the Social Studies Education major; for detailed curriculum, refer to **Social Studies Education** on page 103.

Pre-Art Therapy (BA or BS)

Pre-Art Therapy is an interdisciplinary major offered jointly by the Psychology Department and the Art, Film, and Media Department. For program details, refer to **Pre-Art Therapy** on page 68.

Psychology (BA)

The Bachelor of Arts degree with a major in Psychology requires two years of one foreign language and 44 major hours. All major courses must be completed with a grade of C- or better and are included in the major GPA.

Major Requirements

PSY 100	3	Introductory Psychology
PSY 105	3	Foundations and Applications of Psychology
PSY 272	4	Introduction to Research Methods and Data Analysis
PSY 325	1	Career and Vocational Issues Seminar
PSY 495	3	Integration of Psychology and Christianity

Select one developmental course from the following:

PSY 240	3	Child Psychology
PSY 250	3	Life Span Development
PSY 340	3	Adolescent Psychology
PSY 350	3	Child and Adolescent Psychology

Select one personal course from the following:

PSY 300	3	Abnormal Psychology
PSY 305	3	Behavior Problems of Child and Adolescence
PSY 400	3	Theories of Personality
PSY 461	3	Fundamentals of Counseling

Select one biological course from the following:

PSY 341	3	Neuroscience and the Soul
PSY 395	3	Health Psychology
PSY 441	3	Physiological Psychology

Select one cognition or learning course from the following:

PSY 410	3	Motivation
PSY 411	3	Learning: Theory and Application
PSY 420	3	Cognition

Select two sociocultural courses from the following:

PSY 320	3	Multicultural Psychology
PSY 321	3	Social Psychology
PSY 357	3	Peace, Reconciliation, and Justice

Select 3 credit hours from the following:

PSY 345	3	Applied Research Lab
PSY 393	3	Practicum
PSY 450	3	Directed Research

Electives

Select three psychology courses totaling at least 9 hours

Psychology/Pre-Medicine Concentration (BA)

The Bachelor of Arts degree with a major in Psychology/Pre-Medicine concentration consists of two years of one foreign language and 92-94 major hours including the 44-hour major requirements listed above and the following 48-50 hours of Pre-Medicine concentration requirements. All major courses, including those in the concentration, must be completed with a grade of C- or better and are included in the major GPA.

Concentration Requirements

Biology Courses

BIO 201	4	Biology I: Foundations of Cell Biology and Genetics
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
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Select one option from the following:

MAT 151	4	Calculus I
MAT 145 [†]	3	Introduction to Functions and Calculus
and		
MAT 146 [†]	3	Functions and Calculus

[†]MAT 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	Applied Psychological Statistics
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Psychology/Systems (BS)

The Bachelor of Science degree with a major in Psychology/Systems consists of the 44-hour major and curriculum requirements in systems analysis. All major courses, including systems curriculum courses, must be completed with a grade of C- or better and are included in the major GPA.

Systems Curriculum Requirements

MAT 151	4	Calculus I
SYS 101	3	Introduction to Systems
SYS 120	4	Introduction to Problem Solving
SYS 330	3	Human Relations in Organizations
SYS 390	3	Information Systems Analysis
SYS 392	1	Systems Seminar
SYS 394	3	Information Systems Design
SYS 403	3	Operations Management

Select one course from the following:

COS 121	4	Foundations of Computer Science
COS 143	3	Interactive Webpage Design

Select one course from the following:

MAT 210	4	Introductory Statistics
MAT 352	4	Mathematical Statistics

Select one course from the following:

SYS 401*	3	Operations Research
SYS 402*	3	Modeling and Simulation

Select one course from the following:

PSY 393	3-4	Practicum
SYS 393	3-4	Practicum

Systems Electives

Select at least 3 hours of electives, in addition to those required in the major or systems:

ENT 422	3	New Venture Planning
MAT 382	3	Advanced Statistical Methods
MGT 201	3	Introduction to Business
SYS 214	3	Principles of Human Computer Interaction
SYS 310	3	E-Commerce
SYS 401*	3	Operations Research
SYS 402*	3	Modeling and Simulation

*Courses in both areas may count only once.

Psychology Minor

A minor in Psychology requires 18 hours. All minor courses must be completed with a grade of C- or better and are included in the minor GPA.

Minor Requirements

PSY 100	3	Introductory Psychology
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Electives

Select an additional 15 hours* of psychology electives.

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

Psychology Courses

PSY 100 3 hours

Introductory 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 *foundational core general social science requirement*.

PSY 105 3 hours

Foundations and Applications of Psychology

An exploration of worldviews and philosophical views in psychology, current perspectives and ethical issues in psychology, and models of integration of psychology and Christianity. Self-reflection and development of a sense of calling/vocation in psychology are explored as the breadth and depth of the field are introduced. Does not meet a *foundational core requirement*. Prerequisite: PSY 100 or instructor's permission.

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 170 1-4 hours

Selected Topics

A course offered on a subject of interest but not listed as a regular course offering.

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 100.

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. Prerequisite: PSY 100.

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 *foundational core general social science requirement*.

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 *foundational core general social science requirement*.

PSY 251 1 hour

Life Span Development: Adolescence, Adulthood, and Aging

This course is designed to provide a general overview of the developmental processes in humans from adolescence through, adulthood, aging and the dying process. Included is attention to the physical, cognitive, psychosocial and spiritual developments. Intended for majors and non-majors (e.g., Social Work, Christian Ministries, Exercise Science) who have taken Child Psychology (PSY 240) or Child and Adolescent Psychology (PSY 350) but need a life span perspective as required by their program or as recommended for their future graduate school plans. The class meets with PSY 250 for the second half of the semester. Does not meet a *foundational core requirement*. Prerequisite: PSY 240 or 350.

PSY 260 Applied Psychology An introduction to practical uses and applications of psychology. Topics cover a variety of fields of psychology (e.g., industrial/organizational psychology, educational psychology, clinical/counseling psychology) and applications within each field with different psychological degrees, developing a career identity that intersects with values and beliefs.	3 hours	PSY 341 Neuroscience and the Soul This course is a study of the human brain and the question of the existence of a soul or immaterial mind. Content to be studied will include areas of the brain related to this question of the existence of the soul. The course will study leading researchers in neuroscience as well as key experiments examining the issue. Parallel to this search on neuroscience, the class will also examine some philosophy, theology, and the biblical content in order to keep the larger question of the immortal soul in view.	3 hours
PSY 270 Selected Topics A course offered on a subject of interest but not listed as a regular course offering.	1-4 hours	PSY 345 Applied Research This lab experience allows students to apply their research and statistical skills on meaningful service learning projects. <i>Prerequisite: PSY 272; Prerequisite or Corequisite: PSY 330.</i>	3 hours
PSY 272 Introduction to Research Methods and Data Analysis Research methods in psychology are studied and critiqued. Students are involved in practical research and writing assignments. Students will also cover an introduction to basic statistical procedures and tests. <i>Prerequisites: PSY 100 and 105.</i>	4 hours	PSY 350 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. <i>Meets foundational core general social science requirement.</i>	3 hours
PSY 300 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. <i>Prerequisites: PSY 100 and 105 or instructor's permission.</i>	3 hours	PSY 357 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. <i>Prerequisites: PSY 100, 105, and 272 or instructor's permission.</i>	3 hours
PSY 305 Behavior Problems of Children and Adolescents A study of major behavioral disorders, with emphasis on empirical research and clinical description, relative to etiology, assessment, prognosis, and treatment. Cultural influences on child and adolescent behavioral disorders will also be explored. <i>Prerequisite: PSY 240 or PSY 250 or PSY 350.</i>	3 hours	PSY 360 Independent Study An individualized, directed study involving a specified topic.	1-4 hours
PSY 315 Working with Orphans and Vulnerable Children This course provides a basic introduction to the study of orphans and vulnerable children (OVC). Significant attention will be given to researching effective programs and interventions that work with this population. A developmental framework will be used to understand and analyze programs and needs. <i>Meets foundational core civic engagement or general social science requirement. Prerequisite: PSY 240 or PSY 250 or PSY 350.</i>	3 hours	PSY 370 Selected Topics A course offered on a subject of interest but not listed as a regular course offering.	1-4 hours
PSY 320 Multicultural Psychology An introduction to the psychological development of differences in worldviews; cultural identity development; discrimination & racism; acculturation processes, and building multicultural skills and competence. The course provides students an opportunity to begin to build knowledge, skill, and awareness in serving, working, and/or being with individuals of different ethnic and cultural groups from a psychological and Christian worldview. The goal of this course is to facilitate self-reflection and self-growth among participants, preparing them to more critically, actively, and effectively participate in a diverse environment. <i>Prerequisites: PSY 100, 105, and 272 or instructor's permission.</i>	3 hours	PSY 390 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.	3 hours
PSY 321 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. <i>Prerequisites: PSY 100, 105, and 272 or instructor's permission.</i>	3 hours	PSY 393 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. <i>Offered primarily during summer.</i>	1-4 hours
PSY 325 Career and Vocational Issues Seminar A career and vocational seminar with an emphasis on reading and discussion. <i>Prerequisites: PSY 100, 105, and 272; junior standing required.</i>	1 hour	PSY 395 Health Psychology This course provides an overview of the research and practice of psychology as applied to health and health systems. Topics include the biopsychosocial model, personality and psychological issues related to health behaviors, stress and coping, patient-provider relationships, use of health services, pain management, chronic illness, advancing and terminal illness, heart disease, hypertension, stroke, diabetes, psychoneuroimmunology, aids, cancer and arthritis. Students also explore psychological issues related to personal health behavior change.	3 hours
PSY 330 Applied Psychological Statistics Introductory course that surveys common statistical concepts in psychological research. It also examines and critiques the major research designs used in psychology today. <i>Prerequisites: PSY 100, 105, and 272.</i>	3 hours	PSY 400 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. <i>Prerequisites: PSY 100 and three additional hours in psychology or social work.</i>	3 hours
PSY 331 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.	3 hours	PSY 410 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. <i>Prerequisites: PSY 100 and six additional hours in psychology or instructor's permission.</i>	3 hours
PSY 340 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. <i>Meets foundational core general social science requirement.</i>	3 hours	PSY 411 Learning: Theory and Application The study of major learning theories and their application to advertising, education, counseling, and daily problems of life. <i>Prerequisite: PSY 100 and 105.</i>	3 hours

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 100, 105, and six additional hours in psychology.*

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 100, 105, and 330.*

PSY 435 **3 hours**
Applied Advanced Psychological Statistics
The course provides students with knowledge of statistical methods, how to effectively use them in real world settings doing meaningful projects and when to use the methods based on the data and research design that is utilized. The SPSS statistical package is integrated into the structure of the course content that includes Repeating Measures ANOVA; multiple comparison tests; Two-Way and Three-Way ANOVA Independent groups; One-Way and Two-Way ANCOVA; Simple and Multiple Regression; One-Way, Two-Way, and Mixed factors MANOVA; Point Biserial Correlation; statistics for validity and reliability; Path Analysis; and effect sizes that these statistics tests. *Prerequisite: PSY 330.*

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.

PSY 450 **1-4 hours**
Directed Research
Investigative learning involving closely directed research and the use of such facilities as the library or laboratory. *Prerequisites: PSY 100, 105, and 272.*

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 100 and 105 or instructor's permission.*

PSY 480 **3 hours**
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 at least a 3.00 GPA in the major field.*

PSY 495 **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. *Prerequisites: PSY 100, 105, and completion of 38 total hours in the major.*

Notes