Aquinas, Luther, Machiavelli, Hobbes, Locke, the American founding fathers, and Marx. Thinkers and systems are examined in the light of biblical principles and insights, especially those emanating from the Reformed tradition such as Calvin, Rutherford, A. Kuyper, and Dooyeweerd. Students also compare the significant insights available within Roman Catholic, Lutheran, and Anabaptist communions. Prerequisite: PLSC 121.

**PLSC 338 Envisioning America: The U.S. since the 1920s (3)**  
*Spring, Odd*

This course will examine the competing political worldviews that have shaped American cultural development and public policy since 1920. This course will also offer Christian critique of these diverse ideologies. This course is identical to HIST 338.

**PLSC 410 Senior Seminar (3)**  
*Varies*

The senior seminar in political science examines alternate theoretical perspectives on the discipline of political science. The course offers a place to undertake Christian reflection on a Reformed vision for political science and to apply that vision to a variety of vocations. This course fulfills the capstone requirement for this major.

**PSYC PSYCHOLOGY**

**PSYC 121 Introduction to Psychology (3)**  
*Fall, Spring*

This introductory course examines critically the assumptions and methods in psychology. Such topics as anxiety, defenses, body image, self, aggression, and mental illness are studied. Some emphasis is placed upon career uses of psychology. Fulfills the social science Foundations requirement.

**PSYC 122 Basic Research Skills (3)**  
*Spring*

The focus of this course is an explanation of the experimental method as a tool for examining causation, and will cover (1) the purpose and use of basic research designs, (2) the role of statistical analysis in research, (3) the use of library resources, both print and computer, for conducting thorough literature reviews, and (4) the rationale for the standard research report format and proper use of the APA writing style. There will also be a unit on the role of graduate studies in the development and training of research skills.

**PSYC 123 Life Span Development (3)**  
*Fall, Spring*

This course is a study of the developmental characteristics of the human life-cycle from birth to old age and an introduction to the major psychological theories of development. Fulfills the social science Foundations requirement.

**PSYC 201 Psychology of Personal Growth (3)**  
*Spring*

This investigation of the dynamics of personal functioning and change includes an examination of the relationship between attitudes, emotions, and behaviors. Major approaches to personal growth are studied. Students are required to reflect on their personal history and apply their learning to their own personal growth. Prerequisite: PSYC 121.

**PSYC 202 Interpersonal Relations (3)**  
*Fall*

This course examines perspectives on relationships between persons and the process of interpersonal communication. Through small group interaction students develop insight into styles of relating and communicating with others. This course is identical to COMM 202.

**PSYC 211 Basic Helping Skills (3)**  
*Spring*

Students study and evaluate the essentials of helping relationships and the behaviors, attitudes, and emotions that promote helping. Students are required to practice the various skills discussed in class, such as attending, empathy, genuineness, and confrontation. Case studies of major psychotherapeutic approaches are also examined. Prerequisites: sophomore standing or above, and PSYC 121. Recommended: PSYC 201 or 202.

**PSYC 217 Psychological Tests and Measurements (3)**  
*Spring, Odd*

An introduction to psychological procedures and assessment will be the focus of this course. The course will focus upon principles of construction, administration, and interpretation of standardized psychological tests as well as clinical techniques for assessment of normal and abnormal psychological processes. Attention will be given to statistical concepts in test construction and interpretation. Ethical standards and issues associated with psychological testing will be addressed. Prerequisite: PSYC 121.

**PSYC 222 Stat. Reasoning for Behavioral Sciences (3)**  
*Fall*

This class will cover statistical concepts and their use in the analysis of data and making causal/functional inferences within behavioral science research. Topics to be covered include: the experimental method, research ethics, variability, characteristics of the normal distribution and standard scores, correlation, statistical inference, theory formation, hypothesis testing, z scores, t tests, and analysis of variance. The importance of research methodology to clinical and applied areas of psychology will be discussed. Prerequisite: PSYC 121 and 122.

**PSYC 226 Psychology of Death and Dying (3)**  
*Spring, Odd*

This study of the experience of dying, including the social and personal response to death, and the impact of religious belief upon the dying person, emphasizes the interpersonal skills for relating in the situation of death.
PSYC 242 Human Sexuality (3)  
*Spring, Odd*  
Students study the anatomy, physiology, and attitudes and behaviors of human sexual response. Specific attention is given to the place and function of sexuality in the life of the Christian.

PSYC 243 Group Dynamics (3)  
*Varies*  
This course uses the “self-analytic group” to study the group as a phenomenon distinct from the individual, the institution, and the crowd. It probes the foundation of human interaction and communication in face-to-face settings. Students analyze: group structure; physical formations; emotional factors and attachments; and evolution of leadership functions, norms, values, and procedures. This course is identical to COMM 243 and SOC 243. Prerequisite: sophomore standing.

PSYC 244 Behavior Analysis and Therapy (3)  
*Spring, Even*  
Students study and evaluate the assumptions and methods of behavior analysis and behavior modification techniques. Research findings related to the behavior therapies, including techniques based on associative and operant conditioning and more recent “cognitive” or language-based behavioral therapies, will be addressed, and students will be exposed to behaviorally based models of mental and behavioral disorders. Prerequisite: PSYC 121.

PSYC 250 Psychology of Learning and Memory (3)  
*Spring, Odd*  
This course will focus on the principles of learning, memory, and behavior as derived from the experimental literature--classical and instrumental conditioning, acquisition, extinction, punishment, generalization, discrimination, motivation, drives, and incentives as well as their possible neurobiological mechanisms or correlates. Coverage also will be given to the learning of more complex behavioral and cognitive processes in mammalian and non-mammalian species, such as concept formation and language comprehension, as well as clinical disorders related to learning and memory. Prerequisite: PSYC 121.

PSYC 251 Cognitive Psychology (3)  
*Fall, Odd*  
This course introduces the theory and research concerning human cognition. Various models of human cognition are considered in the context of perception, memory, thinking, and problem solving. In addition, students examine the process of cognitive development with particular attention to childhood. Prerequisite: PSYC 121.

PSYC 252 Cross Cultural Psychology—CCS (3)  
*Fall*  
This course examines the relationships between culture, personality, and human behavior. Psychological theories and research aimed toward the understanding of human behavior in the context of cultural and ethnic diversity are the primary focus of the course. Special attention will be given to intercultural communication and counseling in the multicultural context. Fulfills one of the cross-cultural studies Foundations requirements. Prerequisite: PSYC 121 or 123.

PSYC 253 Multicultural Counseling & Psychotherapy—CCS (3)  
*Fall, Even*  
The course will examine the issues of counseling persons from various cultural backgrounds. There will be an emphasis on the politics of privilege, oppression, and racism in our culture and the implications this has on the practice of psychotherapy. There also will be consideration given to gender as a part of cultural diversity. Fulfills one of the cross-cultural studies Foundations requirements. Prerequisite: PSYC 121.

PSYC 256 Industrial and Organizational Psychology (3)  
*Spring, Even*  
This course will examine the major themes of industrial organization psychology, which is the branch of psychology that deals with the structures, processes, and behaviors in work organizations. Particular attention will be given to the assessment and evaluation of job performance and the work environment. The course will also look at the organization structure of groups and group process in industrial/organizational settings. These issues and topics will be assessed from a Christian perspective. Prerequisite: PSYC 121.

PSYC 257 Psychology of Gender (3)  
*Spring, Odd*  
This course will survey a variety of psychological theories and research on gender. The course will examine psychological approaches from a Christian perspective on gender reconciliation. The course format will focus on reading, group discussions, reflective writing, and small research projects. Prerequisite: PSYC 121 or PSYC 123.

PSYC 258 Advanced General Psychology (3)  
*Fall, Spring*  
This comprehensive survey of psychology is for the advanced psychology major who plans to go to graduate school. Such basic areas as perception, learning, development, motivation, psychopathology, and therapeutic treatment are studied. Open only to psychology majors. Students preparing for the GRE should take this course in the junior year. Offered by arrangement. Prerequisite: PSYC 121.

PSYC 310 Theories of Psychotherapy (3)  
*Spring, Odd*  
Students examine several theories of psychotherapy in terms of constituent concepts and basic assumptions. A variety of current approaches are investigated from a critically Christian perspective. This is a companion course to PSYC 211. Prerequisite: PSYC 121.
PSYC 322 Psychopathology (3)  
*Fall, Odd*

Students study the symptoms, causes, and treatments of persons suffering from neurotic or psychotic disorders, paying special attention to the major theories concerning psychopathology and the types of therapy employed. Prerequisite: PSYC 121.

PSYC 323 Theories of Personality (3)  
*Spring, Even*

This critical exposition of the personality theories of Freud, Jung, Adler, Horney, Sullivan, Rogers, and others includes a further consideration of the development of a Christian anthropology, especially in relation to personality, psychical disorders, and psychotherapeutic counseling. Prerequisite: PSYC 121.

PSYC 331 Psychology of Religion (3)  
*Spring, Even*

This is a study of the history of the relationships between psychology and religion and of the relationship between religion and current knowledge on personal and interpersonal functioning. Prerequisite: PSYC 121.

PSYC 332 Social Psychology (3)  
*Fall, Even*

This course considers the nature and the psychology of different social relationships. Such topics as attraction, cooperation, person perception, bargaining, and social influence are investigated. This course is identical to SOC 332. Prerequisite: PSYC 121 or SOC 121.

PSYC 340 Emotion and Motivation (3)  
*Spring, Odd*

This course will examine variables affecting emotional processes and motivation in animals and humans. Topics include motivation based on social and cultural processes, cognitive goals, as well as those based on biological needs. Prerequisite: PSYC 121.

PSYC 345 History and Systems of Psychology (3)  
*Fall, Odd*

This course is an advanced study of the development of psychology as a science and slated professional disciplines such as psychotherapy and psychological testing. Students examine the historical roots of specific problems in contemporary psychology. Prerequisite: PSYC 121.

PSYC 352 Behavioral Pharmacology (3)  
*Fall, Odd*

This course will provide a survey of research on the effects of drugs on the behavior of humans and animals, concentrating on the relationship between drug influences on behavior and their effects on the central nervous system. Therapeutic/psychiatric uses of psychoactive substances will be examined, as will the neurological and behavioral effects of common recreational drugs. Approaches to treating drug addiction will be discussed. Prerequisite: PSYCH 121, BIOL 100, BIOL 101, or BIOL 110.

PSYC 353 Brain and Cognition: Human Neuropsychology (3)  
*Spring, Odd*

This course will focus on the role of human functioning in cognitive and psychological processes. Main topics will include the basic cortical areas of the human brain, how various cognitive functions are currently thought to relate to specific brain regions, and the relationship between damage to the regions and the resulting cognitive, emotional, and behavioral changes. Prerequisite: PSYC 121 or BIOL 101.

PSYC 355 Neuroscience and Behavior (3)  
*Spring, Even*

This course will focus on the role of biological processes in the behavioral and cognitive functioning of humans and other species. Topics will include the structure and function of nerve cells, basic structure of the human nervous system, psychopharmacology, sensory and motor systems, motivation, emotion and reinforcement, learning and memory, and discussions of the relationship between brain functioning and psychopathology. Prerequisites: PSYC 121 or BIOL 101.

PSYC 356 Topics in Psychology (3)  
*Fall, Even*

This course is a systematic examination of key issues and movements within the discipline of psychology. Selected topics vary according to current interests and discussion within psychology, including clinical and theoretical areas of concern to an emerging Christian perspective on psychology. Prerequisites: PSYC 121.

PSYC 358 Capstone Course (3)  
*Fall*

In this course psychology majors will reflect and articulate an understanding of psychology from the philosophical, ethical and historical aspects of a Christian worldview. Students will prepare a thesis paper which they will present in a public forum. Students will also explore their participation in psychology by identifying, clarifying and planning for their post-college career goals. Prerequisite: senior status.

PSYC 399 Independent Study (1)  
*Fall, Spring*

Students who have done advanced work in psychology may study a particular subject independently under the direct supervision of the department. Arrangements must be made with an individual faculty member.

PSYC 400 Supervised Field Education (3)  
*Fall, Spring*

Students engage in a paraprofessional work experience in a setting off campus. The setting is determined by the faculty supervisor on the basis of student’s career objectives and his or her current level of experience. Application must be made with the Psychology Department before the beginning of the term in which the student intends to register.
PSYC 401 Advanced Research Practicum (3)
Fall, Spring
This course will give students the opportunity to complete supervised quantitative research projects using experimental methodology, correlational techniques, or survey research (or a combination of the three) in order to address theoretical questions that arise from the academic interests of the student. Weekly seminars will focus on issues of scientific theory in areas of student interest, the relationship between the scientific process and Christian worldview, experimental design, research methodology, and proper statistical analysis of collected project data. A research paper or equivalent will be required. This course can also be used to fulfill the field education requirement. Prerequisite: senior psychology majors and consent of instructor. Prerequisites: senior psychology major, PSYC 122, PSYC 222, and consent of instructor.

PSYC 402 Seminar in Professional Development (2)
Fall, Spring
In this professional development seminar, students will explore the profession of psychology, including its values, practices, empirical base and ethics. Students will develop a collaborative environment with a focus on the practice of psychology from both a clinical and research based perspective. Attention to the role of diversity and the development of a professional Christian worldview will be emphasized. Prerequisite: Senior status. Concurrent enrollment in PSYC 400 or 401 required.

SCI 288 Elementary Science Methods (3)
Fall, Spring
In this course, students will study and implement a variety of pedagogical methods for teaching and learning of Science. Students will analyze sample mathematical learning activities and create their own learning tasks to satisfy criteria including mathematical significance, problem-solving, communication, and connections within Science and among other disciplines. Issues including the role of technology, equity and diversity, and assessment will be addressed. Note: Due to overlap in course content, credit cannot be earned for both SCI 288 and SCI 289. Prerequisites: admission to the teacher education program and 9 hours of coursework in biology, geology, or physics, with coursework in at least two of these subject areas.

SCI 290 Middle Grades Science Methods II (3)
Varies
This course focuses on the teaching methods for middle grades and the characteristics of science from a Christian worldview. This course will cover teaching methods pertaining to biology, chemistry, and physics. This course will be based on inquiry, with lecture, discussion, reflection, laboratory, and presentation components. Students will become familiar with standards for middle grades science, will use technology in the classroom and laboratory, will design and conduct experiments, and will plan and teach classroom and laboratory lessons. Students will become acquainted with source materials, laboratory safety practices and good laboratory management. This course is normally taken during the senior year, the semester prior to student teaching. Note: Due to overlap in course content, credit cannot be earned for both SCI 290 and SCI 380. Prerequisites: admission to the teacher education program and 24 hours of science content.

SCI 380 Secondary Science Methods (3)
Varies
This course focuses on the teaching methods and the characteristics of science from a Christian worldview. This course will cover teaching methods pertaining to biology, chemistry, and physics, with the primary focus on biology and chemistry methods. This course will be based on inquiry, with lecture, discussion, reflection, laboratory, and presentation components. Students will become familiar with standards for secondary science, will use technology in the classroom and laboratory, will design and conduct experiments, and will plan and teach classroom and laboratory lessons. Students will become acquainted with source materials, laboratory safety practices and good laboratory management. Note: Due to overlap in course content, credit cannot be earned for both SCI 290 and SCI 380. Prerequisites: EDUC 203 and completed course work or concurrent enrollment in biology, chemistry, and physics.

SIS 101 Beginning Spanish I (4)
Fall, Spring
Basic structures are introduced gradually with intensive practice in the use and comprehension of oral and written Spanish.