Psychology

Majors:

• Bachelor of Arts, Psychology (p. 1)
• Bachelor of Science, Psychology (p. 2)

Minor:

• Psychology (p. 3)

Psychology is the scientific study of mind, brain and behavior. It is a diverse field that touches all aspects of our lives.

The Department of Psychology offers a Bachelor of Arts (B.A.) and a Bachelor of Science (B.S.) in Psychology. The department encourages students who are interested in preparation for graduate school or a career in a particular area of psychology to consult with their faculty advisor regarding courses that would be recommended for preparation in that area. Some examples of such areas include clinical, developmental, cognitive, and social psychology.

Each psychology major must complete: PSY 101, PSY 201, PSY 216, and PSY 217 early in his or her academic career. Specifically, PSY 101 is required prior to taking most psychology courses. Further, students can take no more than 6 credit hours prior to enrolling in PSY 216, and no more than 15 hours before enrolling in PSY 217. The remaining requirements are stated in the outline below. Exceptions to these requirements must be approved by the department chairperson.

Completion of PSY 101 with a C- or better and enrollment in PSY 216 is required to transfer into the major. Students who do not earn a C- or better in PSY 216 after two attempts will be required to meet with the department chairperson.

Psychology majors are required to attain grades of C- or better in the following courses:

PSY 101 Introduction Psychology 3
PSY 201 Sophomore Seminar: Psychology as a Science and Profession 1
PSY 216 Elementary Statistics 3
PSY 217 Research Methods 3

and any two courses from each of the two core groupings:

PSY 321 Cognition 3
PSY 322 Learning 3
PSY 323 Psychology of Perception 3
PSY 422 Biopsychology 3
PSY 341 Social Psychology 3
PSY 351 Child Psychology 3
PSY 361 Personality 3
PSY 363 Abnormal Psychology 3

If a C- or better is not attained, courses will have to be retaken if they are used to satisfy the psychology major.

A minor in psychology consists of eighteen semester hours, including PSY 101, one course from each of the core groupings, and three electives.

Faculty
Lee Dixon, Chairperson
Professors Emeriti: Allik, Biers, Butler, DaPolito, Eggemeyer, Katsuyama, Korte, Kunz, Moroney, Polzella
Professors: Bauer, Reeb, Zois
Associate Professors: Crutcher, Dixon, Elvers, Fuhs, Goodnight, B. Kunz, E. Kunz, Roecker Phelps
Assistant Professors: Albaugh, Butler, Davis, Walsh-Messinger, Zhao
Visiting Assistant Professor: Berry
Lecturers: Engle, Layman-Guadalupe, Rodriguez

Bachelor of Arts, Psychology (PSY) minimum 124 hours

Common Academic Program (CAP) 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HST 103</td>
<td>The West &amp; the World</td>
<td>12 cr. hrs.</td>
</tr>
<tr>
<td>REL 103</td>
<td>Introduction to Religious and Theological Studies</td>
<td></td>
</tr>
<tr>
<td>PHL 103</td>
<td>Introduction to Philosophy</td>
<td></td>
</tr>
<tr>
<td>ENG 100</td>
<td>Writing Seminar I</td>
<td>0-3 cr. hrs.</td>
</tr>
<tr>
<td>ENG 200</td>
<td>Writing Seminar II</td>
<td>3 cr. hrs.</td>
</tr>
<tr>
<td>CMM 100</td>
<td>Principles of Oral Communication</td>
<td>3 cr. hrs.</td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
<td>3 cr. hrs.</td>
</tr>
<tr>
<td>Social Science</td>
<td></td>
<td>3 cr. hrs.</td>
</tr>
<tr>
<td>SSC 200</td>
<td>Social Science Integrated</td>
<td></td>
</tr>
<tr>
<td>Arts</td>
<td></td>
<td>3 cr. hrs.</td>
</tr>
<tr>
<td>Natural Sciences</td>
<td></td>
<td>7 cr. hrs.</td>
</tr>
<tr>
<td>Crossing Boundaries</td>
<td></td>
<td>up to 12 cr. hrs.</td>
</tr>
<tr>
<td>Faith Traditions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Practical Ethical Action</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inquiry</td>
<td></td>
<td>5 cr. hrs.</td>
</tr>
<tr>
<td>Integrative</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced Study</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Philosophy and/or Religious Studies (6 cr. hrs.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Historical Studies (3 cr. hrs.)</td>
<td></td>
<td>7 cr. hrs.</td>
</tr>
</tbody>
</table>
Diversity and Social Justice 8 3 cr. hrs.
Major Capstone 9 0-6 cr. hrs.

1 The credit hours listed reflect what is needed to complete each CAP component. However, they should not be viewed as a cumulative addition to a student's degree requirements because many CAP courses are designed to satisfy more than one CAP component (e.g., Crossing Boundaries and Advanced Studies) and may also satisfy requirements in the student's major.

2 May be completed with ASI 110 and ASI 120 through the Core Program.

3 May be completed with ENG 100A and ENG 100B, by placement.

4 May be completed with ENG 114 or ENG 198 or ASI 120.

5 Must include two different disciplines and at least one accompanying lab.

6 U.S. History AP and CLEP credit will not satisfy this requirement.

7 May be completed with ASI 110 and ASI 120 through the Core Program. U.S. History AP and CLEP credit will not satisfy this requirement.

8 May not double count with First-Year Humanities Commons, Second-Year Writing, Oral Communication, Social Science, Arts, or Natural Sciences CAP components, but may double count with courses taken to satisfy other CAP components and/or courses taken in the student's major.

9 The course or experience is designed by faculty in each major; it may, or may not, be assigned credit hours.

**Liberal Studies Curriculum**

<table>
<thead>
<tr>
<th>Creative and Performing Arts (May include CAP Arts)</th>
<th>3 cr. hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>L2 Proficiency (Proficiency in a language other than English)</td>
<td>0-11 cr. hrs.</td>
</tr>
<tr>
<td>Literature (May include CAP Components)</td>
<td>3 cr. hrs.</td>
</tr>
<tr>
<td>Mathematics (Satisfies CAP Mathematics)</td>
<td>3 cr. hrs.</td>
</tr>
</tbody>
</table>

Select one mathematics course from:

- MTH 114 Contemporary Mathematics
- MTH 148 Introductory Calculus I
- MTH 168 Analytic Geometry & Calculus I

**Natural Sciences (Satisfies CAP Natural Sciences)** 11 cr. hrs.

- BIO 151 Concepts of Biology I: Cellular & Molecular Biology
- BIO 151L Concepts of Biology Laboratory I: Cellular & Molecular Biology
- BIO 152 Concepts of Biology II: Evolution & Ecology
- BIO 152L Concepts of Biology Laboratory II: Evolution & Ecology
- CAP Natural Science lecture (specified for science majors, excluding BIO)

**Social Sciences, excluding PSY courses (Includes CAP Social Science)** 12 cr. hrs.

**Total Hours** 32-43 cr. hrs.

**Major Requirements** 37 cr. hrs.

- PSY 101 Introductory Psychology 3 cr. hrs.
- PSY 201 Sophomore Seminar: Psychology as a Science and Profession 1 cr. hrs.
- PSY 216 Elementary Statistics 3 cr. hrs.
- PSY 217 Research Methods 3 cr. hrs.

Select two courses from:

- PSY 321 Cognition
- PSY 322 Learning
- PSY 323 Psychology of Perception
- PSY 422 Biopsychology

Select two courses from:

- PSY 341 Social Psychology
- PSY 351 Child Psychology
- PSY 361 Personality
- PSY 363 Abnormal Psychology

Select one course from: (Satisfies CAP Major Capstone) 3 cr. hrs.

- PSY 471 History of Psychology
- PSY 478 Honors Thesis Project
- PSY 480 Senior Seminar in Psychology
- PSY 496 Capstone Special Topics in Psychology
- PSY 499 Independent Research Capstone

**PSY courses (300/400 level)** 12-24 cr. hrs.

**Breadth**

<table>
<thead>
<tr>
<th>ASI 150 Introduction to the University Experience</th>
<th>1 cr. hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Hours to total at least</td>
<td>124 cr. hrs.</td>
</tr>
</tbody>
</table>

1 No more than a total of six hours of PSY 477, PSY 490, PSY 493, PSY 494 and/or PSY 497 may count toward the thirty-seven semester hours required in PSY for the major.

2 May include CAP Components.

**Bachelor of Science, Psychology (PSY) minimum 120 hours**

**Common Academic Program (CAP)**

<table>
<thead>
<tr>
<th>HST 103 The West &amp; the World</th>
<th>12 cr. hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL 103 Introduction to Religious and Theological Studies</td>
<td>3 cr. hrs.</td>
</tr>
<tr>
<td>PHL 103 Introduction to Philosophy</td>
<td>3 cr. hrs.</td>
</tr>
<tr>
<td>ENG 100 Writing Seminar I</td>
<td>0-3 cr. hrs.</td>
</tr>
</tbody>
</table>

**Second-Year Writing Seminar** 4 cr. hrs.

**Oral Communication** 3 cr. hrs.

<table>
<thead>
<tr>
<th>CMM 100 Principles of Oral Communication</th>
<th>3 cr. hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>3 cr. hrs.</td>
</tr>
<tr>
<td>Social Science</td>
<td>3 cr. hrs.</td>
</tr>
<tr>
<td>SSC 200 Social Science Integrated</td>
<td>3 cr. hrs.</td>
</tr>
</tbody>
</table>
### Psychology

**Arts**
- 3 cr. hrs.

**Natural Sciences**
- 7 cr. hrs.

**Crossing Boundaries**
- up to 12 cr. hrs.

**Faith Traditions**
**Practical Ethical Action Inquiry**
**Integrative Advanced Study**
- Philosophy and/or Religious Studies (6 cr. hrs.)
- Historical Studies (3 cr. hrs.)

**Diversity and Social Justice**
- 3 cr. hrs.

**Major Capstone**
- 0-6 cr. hrs.

---

The credit hours listed reflect what is needed to complete each CAP component. However, they should not be viewed as a cumulative addition to a student’s degree requirements because many CAP courses are designed to satisfy more than one CAP component (e.g., Crossing Boundaries and Advanced Studies) and may also satisfy requirements in the student’s major.

May be completed with ASI 110 and ASI 120 through the Core Program.

May be completed with ENG 100A and ENG 100B, by placement.

May be completed with ENG 114 or ENG 198 or ASI 120.

Must include two different disciplines and at least one accompanying lab.

U.S. History AP and CLEP credit will not satisfy this requirement.

May be completed with ASI 110 and ASI 120 through the Core Program. U.S. History AP and CLEP credit will not satisfy this requirement.

May not double count with First-Year Humanities Commons, Second-Year Writing, Oral Communication, Social Science, Arts, or Natural Sciences CAP components, but may double count with courses taken to satisfy other CAP components and/or courses taken in the student’s major.

The course or experience is designed by faculty in each major; it may, or may not, be assigned credit hours.

### Science Breadth Requirements
Satisfies CAP Mathematics and CAP Natural Science

**Mathematics**
- 6-8

Select one mathematics sequence from:
- MTH 137 & MTH 138: Calculus I with Review
- MTH 148 & MTH 149: Introductory Calculus I and Introductory Calculus II
- MTH 168 & MTH 169: Analytic Geometry & Calculus I and Analytic Geometry & Calculus II

Natural Sciences
- 17

**Major Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 101</td>
<td>Introductory Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 201</td>
<td>Sophomore Seminar: Psychology as a Science and Profession</td>
<td>1</td>
</tr>
<tr>
<td>PSY 216</td>
<td>Elementary Statistics</td>
<td>3</td>
</tr>
<tr>
<td>PSY 217</td>
<td>Research Methods</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select two courses from:</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>PSY 321 Cognition</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PSY 322 Learning</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PSY 323 Psychology of Perception</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PSY 422 Biopsychology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select two courses from:</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>PSY 341 Social Psychology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PSY 351 Child Psychology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PSY 361 Personality</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PSY 363 Abnormal Psychology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select one course from:</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PSY 471 History of Psychology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PSY 478 Honors Thesis Project</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PSY 480 Senior Seminar in Psychology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PSY 496 Capstone Special Topics in Psychology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PSY 499 Independent Research Capstone</td>
<td></td>
</tr>
</tbody>
</table>

**PSY courses (300/400 level)**
- 12-24

### Breadth

**ASI 150** Introduction to the University Experience
- 1

Social and Behavioral Science, excluding PSY courses (Includes CAP Social Science)
- 12

**Total Hours to total at least**
- 120

1 Bio 151 and Bio 152 with accompanying labs are required. The remaining 9 hours may be fulfilled by courses in BIO, CHM, GEO, PHY, and CPS courses as well as by MTH courses beyond the departmental MTH requirement.

No more than a total of six hours of PSY 477, PSY 490, PSY 493, PSY 494 and/or PSY 497 may count toward the thirty-seven semester hours required in PSY for the major.

### Minor in Psychology (PSY)

**Psychology**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 101</td>
<td>Introductory Psychology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select one course from:</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PSY 321 Cognition</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PSY 322 Learning</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PSY 323 Psychology of Perception</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PSY 422 Biopsychology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select one course from:</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PSY 341 Social Psychology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PSY 351 Child Psychology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PSY 361 Personality</td>
<td></td>
</tr>
</tbody>
</table>
Select three PSY courses (300/400 level) ¹

Total Hours 18

¹ Only three semester hours of PSY 490, PSY 493, PSY 494, and/or PSY 497 may count toward the minor.

• Bachelor of Arts, Psychology (p. 1)
• Bachelor of Science, Psychology (p. 2)

Bachelor of Arts, Psychology

First Year
Fall
ASI 150
PSY 101

Language 101

Second Year
Fall
HST 103 (CAP Humanities Commons)
ENG 200 (CAP Writing Seminar)
PSY 217

Language 201 or contextual course
REL 103

Third Year
Fall
PSY 341, 351, 361, or 363
PSY 321, 322, 323, or 422
Social Science - intro level not PSY

CAP Arts / Creative and Performing
CAP Faith Traditions

Fourth Year
Fall
PSY at 300 or 400 level

Total credit hours: 123

Bachelor of Science, Psychology

First Year
Fall
ASI 150
BIO 151 & 151L (CAP Natural Science w/lab)
MTH 114 or 148 (Satisfies CAP Mathematics)

Language 101

Second Year
Fall
PSY 201
PSY 321, 322, 323 or 422

Social Science - intro level not PSY

CAP Practical Ethical Action, Advanced Philosophy/Religious Studies

CAP Integrative

CAP Diversity and Social Justice

CAP Faith Traditions

CAP Practical Ethical Action
Natural Science elective

General Elective

Total Hours Spring Hours
1 3 PSY 471, 478, 480, 496, or 499 (Satisfies CAP Major Capstone) 3
3 PSY at 300 or 400 level 3
3 Social Science - elective not PSY 3

15 15

15
16
15
PSY 101. Introductory Psychology. 3 Hours
Study of human behavior including development, motivation, emotion, personality, learning, perception; general application of psychological principles to personal, social, and industrial problems. Students must participate in departmental research.

PSY 201. Sophomore Seminar: Psychology as a Science and Profession. 1 Hour
Introduction to the science and profession of psychology including the nature and breadth of psychological study and career exploration. Prerequisite(s): PSY 101. Co-requisite(s): Must be a Psychology major of sophomore status (based on credit hours earned).

PSY 216. Elementary Statistics. 3 Hours
Basic probability and applied statistics: measures of central tendency and dispersion, sampling, estimation, hypothesis testing, tests between means, linear regression, correlation, and ANOVA. Prerequisite(s): PSY 101; MTH 114, 116, 148, or 168.

PSY 217. Research Methods. 3 Hours
Basic concepts of scientific methods as applied to psychological problems. Experiments to familiarize students with application of scientific methodology to study of human psychological processes. Required of all psychology majors. Prerequisite(s): PSY 101, PSY 216.

PSY 251. Human Growth & Development. 3 Hours
Focuses on stages of human development from infancy through the aging adult. Emphasis is on various theoretical approaches and the development associated with each stage. Psychology majors may not take for credit toward major. Prerequisite(s): PSY 101.

PSY 317. Advanced Research Methods. 3 Hours
Advanced application of statistical and research methods learned in PSY 216 and PSY 217 to the design, analysis, and write-up of an original empirical study. Research area will vary according to instructor expertise. Prerequisite(s): PSY 217.

PSY 321. Cognition. 3 Hours
Information-processing approach to attention, perception, memory, imagery, and thought. Theoretical structures including neuron modeling of higher cognitive and experimental processes. Prerequisite(s): PSY 101.

PSY 322. Learning. 3 Hours
Foundations of the learning process. Classical and instrumental paradigms and variants of each considered in preparation for investigations of complex learning. Prerequisite(s): PSY 101.

PSY 323. Psychology of Perception. 3 Hours
Introduction to major theoretical and experimental work in perception, including visual, auditory, proprioceptive, and other sensory systems. Prerequisite(s): PSY 101.

PSY 333. Psychological Tests & Measurements. 3 Hours
Survey of major tests of intelligence, aptitude, interest, and personality presently used in clinics, schools, personnel offices, and research settings. Emphasis on evaluation and comparison, rationale of construction, ethical considerations. Prerequisite(s): (PSY 101, PSY 216) or equivalent.

PSY 334. Industrial Psychology. 3 Hours
Introduction to modern efforts to improve human performance in industrial organizations and society; selection and placement of employees, morale, training, and incentives. Prerequisite(s): PSY 101.

PSY 341. Social Psychology. 3 Hours
Survey of major theoretical and experimental work in the field; attitudes, conformity, emotions, group dynamics, and topics related to diversity such as racism and sexism. Prerequisite(s): PSY 101.

PSY 344. Interpersonal Relationships. 3 Hours
Social psychological research in nonverbal behavior, social exchange, self-disclosure, and interpersonal attraction and how these are related to developing relationships. Prerequisite(s): PSY 101.

PSY 351. Child Psychology. 3 Hours
Study of psychological processes from the developmental point of view; changes in perception, cognition, emotion, and social behavior from infancy to adolescence. Prerequisite(s): PSY 101.

PSY 353. The Psychology of Adult Development & Aging. 3 Hours
Provides a general introduction to the multi-disciplinary field of adulthood and aging with a specific focus on aspects of interest to psychologists: cognitive, intellectual, personality, and biological changes across adult development. Prerequisite(s): PSY 101.

PSY 355. Developmental Psychopathology. 3 Hours
Survey of developmental theory and research related to the psychopathology of infants, children, and adolescents. Focus is on etiology, identification, and intervention. Prerequisite(s): (PSY 101, PSY 351) or permission of instructor.

PSY 361. Personality. 3 Hours
Introduction to the study of personality through analysis of such major theories as those of Freud, Skinner, Maslow, and Rogers. The development of personality and the stability of personality characteristics over time. Review of clinical and experimental findings. Prerequisite(s): PSY 101.

PSY 363. Abnormal Psychology. 3 Hours
Patterns of disordered behavior; social, psychological, and physiological factors; theoretical explanations of abnormal behavior; stigma associated with psychological disorders. Prerequisite(s): PSY 101.

PSY 364. Psychotherapy. 3 Hours
Survey of current types of psychotherapy. Emphasis on similarities and differences in underlying theories of behavioral change and associated techniques. Prerequisite(s): PSY 101.
PSY 366. Health Psychology. 3 Hours
Explores psychological research, theory, and techniques in health-related areas, such as health promotion, the identification of contributors to illness, illness prevention, stress and coping, stress management, changing health beliefs and behavior, pain and its management, and the management of chronic and terminal illnesses.

PSY 368. Community Psychology. 3 Hours
The application of psychological principles to the understanding and prevention of prevalent community problems including teen pregnancy, school violence, mental illness, substance abuse, homelessness and poverty. Prerequisite(s): SSC 200.

PSY 375. Psychology of the Arts. 3 Hours
Explores the psychological experiences associated with the creation and appreciation of music, art, and literature. Course content is presented in terms of the theories, methods, and research findings in the fields of perception, cognition, and development.

PSY 390. Forensic Psychology. 3 Hours
Explores the psychological experiences associated with the creation and appreciation of music, art, and literature. Course content is presented in terms of the theories, methods, and research findings in the fields of perception, cognition, and development.

PSY 401. Questionnaire Design. 3 Hours
Students will learn about critical issues in questionnaire design and use, the advantages/disadvantages of questionnaires, types of questionnaires, questionnaire development strategies, scale selection, and how to evaluate questionnaires. Students will develop, test and evaluate a questionnaire in a domain of interest to them. Depending on the size of the effort, students may work in teams.

PSY 422. Biopsychology. 3 Hours
Neurophysiological analysis of attention, sensation, perception, emotion, motivation, and learning. Prerequisite(s): PSY 101.

PSY 431. Interviewing & Counseling. 3 Hours
Integrated approach to the theory, techniques, skills, and values of interviewing and counseling. Practice through written assignments, self study, classroom exercises, and role-playing. Prerequisite(s): PSY 101.

PSY 435. Human Factors. 3 Hours
Students learn methods to improve the interface between humans and their environment. Human characteristics are studied to determine the best way to design the task, product, workstation, or other environmental features to accommodate the human. Students in the School of Engineering must have junior or senior status.

PSY 443. Women, Gender, and Psychology. 3 Hours
Survey of a wide range of topics pertaining to women, and gender more broadly. Such topics include, but are not limited to gender role development, gender differences and similarities, sexual orientation, mental health, interpersonal relationships, and victimization. The format of this course is a combination of lectures, group activities, and out-of-class experiential learning. This course fulfills the CAP Diversity and Social Justice Requirement and one of the requirements for both the Women’s and Gender Studies Minor and Major. Prerequisite(s): SSC 200.

PSY 444. Environmental Psychology. 3 Hours
Study of the effects of the physical and social environment on human behaviors, attitudes, and affective responses. Prerequisite(s): (PSY 101, PSY 341) or permission of instructor.

PSY 445. Technology, Environment & Behavior. 3 Hours
Examines the cultural bases for the individual and societal choices which humans make about their use of technology. Technology is broadly defined to include human-machine systems.

PSY 450. Psychology for Ministry. 3 Hours
Human development and adjustment, interpersonal communication, and the psychology of religion. Prerequisite(s): Acceptance into the Lay Ministry Program or permission of instructor.

PSY 451. Psychology of Religion. 3 Hours
Addresses the psychological study of the nature of religion and religious experience; explores the development of internalized beliefs, attitudes, and values and the effect they have on individual functioning. An introductory course in psychology is highly recommended. Prerequisite(s): Junior or senior standing.

PSY 452. Cognitive Development in Children. 3 Hours
Major approaches to the study of cognitive development; attentional and mediational development in children's learning, memory, and problem solving; language development and Piaget's theory. Prerequisite(s): (PSY 101, PSY 351) or permission of instructor.

PSY 461. Current Implications of Drug Dependency. 3 Hours
Survey of effects, symptoms, treatment, causalities, and myths associated with drug use and abuse. Emphasis on existing treatment methods and psychological implications of drug dependency. Prerequisite(s): PSY 101.

PSY 462. Human Sexuality. 3 Hours
Psychological factors in human sexuality including developmental, biological, and social perspectives. Such topics as sexual orientation, gender identity and roles, sexual relationships, sexual dysfunction, power and violence, and commercialization.

PSY 471. History of Psychology. 3 Hours
The evolution of psychology from its origins in philosophy, science, clinical, and applied settings. Emphasis on integrating these systems and schools of thought with modern psychology. Students will produce a scholarly work which will be presented publicly. Students will reflect on how the various schools of thought influence the purpose of their life, their proposed work and how they, in the profession of Psychology, might serve the community. Prerequisite(s): PSY 101; At least three of PSY 321, PSY 322, PSY 323, PSY 422, PSY 341, PSY 351, PSY 361, PSY 363 (the core areas of psychology); Seniors only.

PSY 477. Honors Thesis Project. 3 Hours
First of two courses leading to the selection, design, investigation, and completion of an independent, original Honors Thesis project under the guidance of a faculty research advisor. Restricted to students in the University Honors Program with permission of the program director and department chairperson. Students pursuing an interdisciplinary thesis topic may register for three semester hours each in two separate disciplines in consultation with the department chairpersons. Prerequisite(s): Approval of University Honors Program.
PSY 478. Honors Thesis Project. 3 Hours
Second of two courses leading to the selection, design, investigation, completion and presentation in a public forum of an independent, original Honors Thesis project under the guidance of a faculty research advisor. Restricted to students in the University Honors Program with permission of the program director and department chairperson. Students will reflect on how psychological research will influence their professional life as a psychologist, the implications of that for their own life, and how they, in the profession of Psychology, serve the community. Students pursuing an interdisciplinary thesis topic may register for three semester hours each in two separate disciplines in consultation with the department chairpersons. PSY 478H and PSY 499 cannot both be taken for credit. Prerequisite(s): PSY 217 and PSY 477 and Senior status.

PSY 480. Senior Seminar in Psychology. 3 Hours
Advanced exploration of the meaning of scholarship to the vocation of psychology. Students will engage in critical review of readings in psychology and develop a scholarly project consistent with discipline standards and suited to the professional goals of the student. This course is for Senior Psychology majors only. Prerequisite(s): PSY 217.

PSY 490. Internship in Psychology. 1-6 Hours
Supervised experience arranged on an individual basis in appropriate settings. For junior or senior psychology majors who have completed prescribed course work only. Consult internship director for details. May be repeated up to six semester hours. Grade Option Two only.

PSY 493. Independent Study. 0-6 Hours
Problems of special interest investigated under faculty direction. Area and criteria for evaluation to be specified prior to registration. May be repeated up to six semester hours. Prerequisite(s): Permission of instructor.

PSY 494. Readings in Psychology. 1-6 Hours
Directed reading in a specific area of interest, under faculty supervision. Topic and criteria for evaluation to be specified prior to registration. May be repeated up to six semester hours. Prerequisite(s): Permission of instructor.

PSY 495. Special Topics in Psychology. 1-3 Hours
Topics of special interest to faculty and students; intensive critical evaluation of appropriate literature. Prerequisite(s): Permission of instructor.

PSY 496. Capstone Special Topics in Psychology. 3 Hours
Topics of special interest to faculty and students; intensive critical evaluation of appropriate literature. Development and public presentation of a scholarly project. Reflection on the meaning of scholarship to the vocation of psychology. Permission of instructor. Must be a psychology major of senior status based on credit hours earned.

PSY 497. Service Learning Experience. 1 Hour
Supervised community research or service experience that complements a specific upper division course in Psychology. Repeatable up to three semester hours. Corequisite(s): A 300-400 level Psychology course.

PSY 499. Independent Research Capstone. 3 Hours
Project and presentation of special interest investigated under faculty direction. Students will produce a scholarly work which will be presented publicly. Students will reflect on how psychological research will influence their professional life as a psychologist, the implications of that for their own life, and how they, in the profession of Psychology, serve the community. PSY 478H and PSY 499 cannot both be taken for credit. Prerequisite(s): PSY 216; PSY 217; At least three of PSY 321, PSY 322, PSY 323, PSY 422, PSY 341, PSY 351, PSY 361, PSY 363 (the core areas of psychology); Seniors only.