

PSYCHOLOGY

Overview

Psychology is the scientific study and application of knowledge related to the behavioral and cognitive processes of humans and other animals. Students in the New College psychology program will develop familiarity with existing knowledge of at least four broad subfields within psychology, as well as develop depth of knowledge in an area of their choosing. Classes will provide students with a critical and methodological framework to evaluate this body of existing knowledge, and the statistics, methods, and lab courses will provide multiple opportunities for them to acquire and practice the skills they need to create new knowledge in the field. The program is designed to give students the tools needed to think critically about psychological concepts, whether as careful consumers of scientific information in everyday life or as researchers creating new knowledge in a laboratory. Graduates are able to apply their psychological knowledge and skills having developed greater insight into individual and group behavior.

The Area of Concentration (AOC) in Psychology is designed both for students wishing to pursue graduate work in the field and for students who need to gain skills appropriate for meaningful work. The program includes courses often listed as prerequisites for graduate schools in the discipline as well as an emphasis on critical thinking, clear speaking and writing, project management, data analysis, and fruitful collaboration. The major also provides the breadth characteristic of a liberal arts education.

Labs are offered in five main areas: Developmental Psychology, Cognitive Psychology, Social and Personality Psychology, Biological Psychology, and Neuroscience and Behavior. Topics within each area vary; students can choose between labs that focus on humans, other animals, or comparative labs studying both humans and other animals.

Faculty in Psychology

Michelle Barton (<https://www.ncf.edu/directory/michelle-e-barton/>),

Associate Professor of Psychology

Gordon Bauer (<https://www.ncf.edu/directory/gordon-bauer/>), Professor

Emeritus/Visiting Professor of Psychology

Kathleen Casto (<https://www.ncf.edu/directory/kathleen-casto/>),

Assistant Professor of Psychology (On Leave)

Peter Cook (<https://www.ncf.edu/directory/peter-cook/>), Associate

Professor of Psychology

Catherine Cottrell (<https://www.ncf.edu/directory/catherine-cottrell/>),

Associate Professor of Psychology (On Leave)

Heidi Harley (<https://www.ncf.edu/directory/heidi-e-harley/>), Professor of

Psychology/Peg Scripps Buzzelli Chair/Director of Environmental Studies Program

Steven Graham (<https://www.ncf.edu/directory/steven-m-graham/>),

Associate Professor of Psychology

Requirements for the AOC in Psychology

A minimum of twelve (12) academic units.

Code	Title
Introductory Course	
Select one of the following:	
PSYC 2050	Introductory Psychology Seminar: General*
PSYC 2100	Introductory Psychology

PSYC 2110	Introductory Psychology Seminar: Perception and Action*
PSYC 2115	Introductory Psychology Seminar: The Embodied Mind*
PSYC 2122	Introductory Psychology Seminar: Social Cognition*
PSYC 2130	Introductory Psychology Seminar: Social Influence*
PSYC 2135	Introductory Psychology Seminar: The Sensory World of Animals*
PSYC 2140	Introductory Psychology Seminar: Animal Thinking*
PSYC 2160	Introductory Psychology Seminar: Memory Development*
PSYC 2170	Introduction to Psychology Seminar: The Exotic Sensory World of Animals*
PSYC 2020	Introductory Psychology Seminar: Memories - True, False, and Distorted

Intermediate Courses

Select **four** of the following:

PSYC 3000	Behavioral Endocrinology
PSYC 3025	Educational Psychology from a Developmental Perspective
PSYC 3100	Psychology of Mental Health
PSYC 3350	Personality Psychology
PSYC 3400	Cognitive Psychology
PSYC 3550	Social Psychology
PSYC 3560	Biological Psychology
PSYC 3600	Developmental Psychology

Advanced Courses

Select **two** of the following:

PSYC 3200	Psychology of Religion
PSYC 3420	Animal Learning and Cognition: Contemporary Approaches
PSYC 3890	The Art of Presenting Psychological Sciences
PSYC 4100	Neuroscience of Sport and Exercise
PSYC 4120	Infant and Early Childhood Development Across Cultures
PSYC 4240	Impression Management
PSYC 4250	Psychology of Good and Evil
PSYC 4350	Stigma and Prejudice
PSYC 4475	Advanced Topics in Cognitive Neuroscience
PSYC 4488	Positive Psychology
PSYC 4500	Self and Identity
PSYC 4510	Biopsychology of Sex, Gender, and Sexual Behavior
PSYC 4525	Close Relationships
PSYC 4545	Drugs and Behavior
PSYC 4800	Humans and Other Animals: Exploration of a Complex Relationship

PSYC 4810 Humans and Other Animals: Welfare and Emotions

Laboratory Course

Select **one** of the following:

PSYC 2300	Animal Behavior Processes Laboratory: Goldfish Learning and Cognition
PSYC 4200	Laboratory in Comparative Brain Connectivity
PSYC 4400	Cognitive Laboratory in Parallel Approaches to Facilitating Wellbeing Across Species
PSYC 4600	fNIRS Neuroimaging
PSYC 4610	Developmental Psychology Laboratory: Analyzing Conversation
PSYC 4612	Laboratory in Developmental Psychology
PSYC 4650	Laboratory in Social and Personality Psychology

Statistics and Methodology

Both the statistics course and the research methods course are required:

STAT 2100	Introduction to Applied Statistics* ¹
PSYC 4550	Research Methods in Psychology

Additional Requirements

Both senior seminars are required, along with the thesis and baccalaureate exam:

PSYC 4998	Psychology Senior Seminar ²
PSYC 4999	Psychology Senior Seminar II

Senior Thesis in Psychology and Baccalaureate Exam

Optional Electives

PSYC 2200	Careers and Graduate Study in Psychology
PSYC 3450	Industrial and Organizational Psychology
PSYC 3700	Advanced Statistics for Psychology
PSYC 3800	Introduction to Animal Well-Being

¹ Formerly known as PSYC 2100 Introduction to Statistics. An alternative statistics course may fulfill this requirement if approved in advance by the Psychology faculty.

² In exceptional circumstances and on a case-by-case basis with prior approval from the student's thesis sponsor, tutorials may be used to fulfill the Senior Seminars requirement.

Requirements for the Joint AOC in Psychology

A minimum of seven and one-half (7.5) academic units.

Code **Title**

Introductory Course

Select **one** of the following:

PSYC 2050	Introductory Psychology Seminar: General*
PSYC 2100	Introductory Psychology

PSYC 2110 Introductory Psychology Seminar: Perception and Action*

PSYC 2115 Introductory Psychology Seminar: The Embodied Mind*

PSYC 2122 Introductory Psychology Seminar: Social Cognition*

PSYC 2130 Introductory Psychology Seminar: Social Influence*

PSYC 2135 Introductory Psychology Seminar: The Sensory World of Animals*

PSYC 2140 Introductory Psychology Seminar: Animal Thinking*

PSYC 2160 Introductory Psychology Seminar: Memory Development*

PSYC 2170 Introduction to Psychology Seminar: The Exotic Sensory World of Animals*

PSYC 2020 Introductory Psychology Seminar: Memories - True, False, and Distorted

PSYC 2015 Motivated Minds

Intermediate Courses

Select **three** of the following:

PSYC 3000	Behavioral Endocrinology
PSYC 3025	Educational Psychology from a Developmental Perspective
PSYC 3100	Psychology of Mental Health
PSYC 3350	Personality Psychology
PSYC 3400	Cognitive Psychology
PSYC 3550	Social Psychology
PSYC 3560	Biological Psychology
PSYC 3600	Developmental Psychology

Advanced Course

Select **one** of the following:

PSYC 3200	Psychology of Religion
PSYC 3420	Animal Learning and Cognition: Contemporary Approaches
PSYC 3890	The Art of Presenting Psychological Sciences
PSYC 4100	Neuroscience of Sport and Exercise
PSYC 4120	Infant and Early Childhood Development Across Cultures
PSYC 4240	Impression Management
PSYC 4250	Psychology of Good and Evil
PSYC 4350	Stigma and Prejudice
PSYC 4475	Advanced Topics in Cognitive Neuroscience
PSYC 4488	Positive Psychology
PSYC 4500	Self and Identity
PSYC 4510	Biopsychology of Sex, Gender, and Sexual Behavior
PSYC 4525	Close Relationships
PSYC 4545	Drugs and Behavior

PSYC 4800	Humans and Other Animals: Exploration of a Complex Relationship
PSYC 4810	Humans and Other Animals: Welfare and Emotions

Laboratory Course

Only one module (1/2 academic unit) of lab is required for the Joint AOC, to be negotiated with a sponsor and completed via tutorial. One of the following full-semester labs can also fulfill this requirement but students must then complete the entire semester-long course:

PSYC 2300	Animal Behavior Processes Laboratory: Goldfish Learning and Cognition
PSYC 4200	Laboratory in Comparative Brain Connectivity
PSYC 4400	Cognitive Laboratory in Parallel Approaches to Facilitating Wellbeing Across Species
PSYC 4600	fNIRS Neuroimaging
PSYC 4610	Developmental Psychology Laboratory: Analyzing Conversation
PSYC 4612	Laboratory in Developmental Psychology
PSYC 4650	Laboratory in Social and Personality Psychology

Statistics and Methodology

Both the statistics course and the research methods course are required:

STAT 2100	Introduction to Applied Statistics* ¹
PSYC 4550	Research Methods in Psychology

Optional Electives

PSYC 2200	Careers and Graduate Study in Psychology
PSYC 3450	Industrial and Organizational Psychology
PSYC 3700	Advanced Statistics for Psychology
PSYC 3800	Introduction to Animal Well-Being

¹ Formerly known as PSYC 2100 Introduction to Statistics. An alternative statistics course may fulfill this requirement if approved in advance by the Psychology faculty.

Requirements for a Secondary Field in Psychology

A minimum of six (6) academic units.

Code	Title
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Introductory Course

Select **one** of the following:

PSYC 2050	Introductory Psychology Seminar: General*
PSYC 2100	Introductory Psychology
PSYC 2110	Introductory Psychology Seminar: Perception and Action*
PSYC 2115	Introductory Psychology Seminar: The Embodied Mind*

PSYC 2122	Introductory Psychology Seminar: Social Cognition*
PSYC 2130	Introductory Psychology Seminar: Social Influence*
PSYC 2135	Introductory Psychology Seminar: The Sensory World of Animals*
PSYC 2140	Introductory Psychology Seminar: Animal Thinking*
PSYC 2160	Introductory Psychology Seminar: Memory Development*
PSYC 2170	Introduction to Psychology Seminar: The Exotic Sensory World of Animals*
PSYC 2020	Introductory Psychology Seminar: Memories - True, False, and Distorted
PSYC 2015	Motivated Minds

Intermediate or Advanced Courses

Select **four** of the following:

PSYC 3000	Behavioral Endocrinology
PSYC 3025	Educational Psychology from a Developmental Perspective
PSYC 3100	Psychology of Mental Health
PSYC 3200	Psychology of Religion
PSYC 3350	Personality Psychology
PSYC 3400	Cognitive Psychology
PSYC 3550	Social Psychology
PSYC 3560	Biological Psychology
PSYC 3600	Developmental Psychology
PSYC 3800	Introduction to Animal Well-Being
PSYC 2200	Careers and Graduate Study in Psychology
PSYC 3420	Animal Learning and Cognition: Contemporary Approaches
PSYC 3450	Industrial and Organizational Psychology
PSYC 3890	The Art of Presenting Psychological Sciences
PSYC 4100	Neuroscience of Sport and Exercise
PSYC 4240	Impression Management
PSYC 4250	Psychology of Good and Evil
PSYC 4350	Stigma and Prejudice
PSYC 4475	Advanced Topics in Cognitive Neuroscience
PSYC 4488	Positive Psychology
PSYC 4500	Self and Identity
PSYC 4510	Biopsychology of Sex, Gender, and Sexual Behavior
PSYC 4525	Close Relationships
PSYC 4545	Drugs and Behavior
PSYC 4800	Humans and Other Animals: Exploration of a Complex Relationship
PSYC 4810	Humans and Other Animals: Welfare and Emotions

Statistics

STAT 2100	Introduction to Applied Statistics* ¹
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Optional Elective

PSYC 3700	Advanced Statistics for Psychology
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¹ Formerly known as PSYC 2100 Introduction to Statistics. An alternative statistics course may fulfill this requirement if approved in advance by the Psychology faculty.

Other Recommended Courses

In order to provide additional breadth and perspective, psychology students are encouraged to take courses in other disciplines that will complement their programs of study. Recommended courses include those from philosophy, mathematics, computer science, biology, physics, anthropology, sociology, political science, and religion.

Representative Senior Theses in Psychology

- Academic Satisfaction in College Students and Relatedness to Instructors, Parents, and Peers
- Associations of Executive Function and Bilingualism to Programming Skills in Children Aged 5-6
- Do Children Who Know More, Care More? Environmental Knowledge and Scope of Justice
- Serial Position Learning in Honeybees
- Recovery From Rape-Related Post-Traumatic Stress Disorder
- Synchrony Between a Mother-Calf Pair of Bottlenose Dolphins (*Tursiops truncatus*)
- Rhythm Discrimination in the Bottlenose Dolphin
- The Strong and the Silent: Young Men and Emotional Intimacy
- Basic Husbandry Training of Two West Indian Manatees (*Trichechus manatus latirostris*)
- Exploring the Influence of Language on Pitch Perception: The Tritone Paradox in Spanish-Speaking, English-Speaking and Bilingual Populations