

Bachelor of Science in Psychology with Teaching Certification in Mathematics (Grades 7-12)

About This Program

Bachelor of Science in Psychology with Teaching Certification in Mathematics (Grades 7-12) is intended for those students preparing for work and study in fields requiring more mathematics and sciences. It is also suitable for pre-medical and pre-dental students. Students preparing for study in the health professions including medicine, dentistry, pharmacology, optometry, occupational therapy, and veterinary medicine should also be advised by the Health Professions Advisor in order to meet the requirements of the corresponding professional schools.

Competencies

1. Upon completion, students will demonstrate critical thinking skills and be familiar with the major concepts, theories, and historical trends in psychology.
2. Upon completion, students will be able to design, conduct, analyze, and interpret empirical research addressing psychological questions.
3. Upon completion, students will have a clear understanding of fundamental concepts in a breadth of topics in mathematics.
4. Upon completion, students will be familiar with effective pedagogical practices and be prepared to teach mathematics at the secondary level.

Admissions Criteria

Students who wish to apply for major status in psychology must first meet the University and College of Science requirements for admission to major status and the specific requirements of the Department of Psychology listed below.

Overall and Psychology GPA of at least 2.25. To be changed to full major you must first complete [PSYC 2300](https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%202300) (<https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%202300>), [PSYC 3200](https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%203200) (<https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%203200>) and [PSYC 3300](https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%203300) (<https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%203300>) with a C or better in each course.

ADMISSION TO UPPER-LEVEL LABORATORY COURSES

To enroll in the Advanced Topic courses the student must make a C or better in both [PSYC 2300](https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%202300) (<https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%202300>), [PSYC 3200](https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%203200) (<https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%203200>) and [PSYC 3300](https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%203300) (<https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%203300>) or equivalent courses and must have completed the associated upper-division lecture course.

Advanced Topic courses: [PSYC 4410](https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%204410) (<https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%204410>), [PSYC 4411](https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%204411) (<https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%204411>), [PSYC 4412](https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%204412) (<https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%204412>), [PSYC 4415](https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%204415) (<https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%204415>), [PSYC 4420](https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%204420) (<https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%204420>), [PSYC 4421](https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%204421) (<https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%204421>), [PSYC 4430](https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%204430) (<https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%204430>), [PSYC 4431](https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%204431) (<https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%204431>), [PSYC 4432](https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%204432) (<https://catalog.uta.edu/archives/2025-2026/search/?P=PSYC%204432>), [PSYC 4433](https://catalog.uta.edu/archives/2025-2026/coursedescriptions/psyc/) (<https://catalog.uta.edu/archives/2025-2026/coursedescriptions/psyc/>).

Curriculum

A Bachelor of Science in Psychology can be achieved by completing a minor in a different discipline or by completing 18 hours of Psychology electives. Please consult with the Psychology undergraduate advisor before choosing one of these options.

Foundations

[General Core Requirements](https://catalog.uta.edu/academicregulations/degree/requirements/general/core/requirements/) (<https://catalog.uta.edu/academicregulations/degree/requirements/general/core/requirements/>)

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Students must complete specific courses in certain core areas.

For Communication select:

ENGL 1301 & ENGL 1302	RHETORIC AND COMPOSITION I and RHETORIC AND COMPOSITION II
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For Life & Physical Science select:

BIOL 1441 & BIOL 1442	BIOLOGY I FOR SCIENCE MAJORS: CELL AND MOLECULAR BIOLOGY and BIOLOGY II FOR SCIENCE MAJORS: ECOLOGY AND EVOLUTION
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For Mathematics select:

MATH 1426	CALCULUS I
MATH 2425	CALCULUS II

For Social and Behavioral Sciences, select:

PSYC 1315	INTRODUCTION TO PSYCHOLOGY
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For Foundational Component Area Option select 1 from the following:

CHEM 1441	GENERAL CHEMISTRY I	
CHEM 1442	GENERAL CHEMISTRY II	
GEOL 1301	EARTH SYSTEMS	
GEOL 1302	EARTH HISTORY	
PHYS 1441	GENERAL COLLEGE PHYSICS I	
PHYS 1442	GENERAL COLLEGE PHYSICS II	
PHYS 1443	GENERAL TECHNICAL PHYSICS I	
PHYS 1444	GENERAL TECHNICAL PHYSICS II	

Psychology Foundations

Additional hours in math and science required in general education core. 4

PSYC 2315	STUDENT SUCCESS IN PSYCHOLOGY	3
PSYC 3360	CAREERS IN PSYCHOLOGY	3

For computer literacy select:

SCIE 4331	KNOWING AND LEARNING IN STEM	3
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Psychology Specialization

PSYC 2300	STATISTICS IN PSYCHOLOGY	3
PSYC 3300	RESEARCH METHODS IN PSYCHOLOGY	3
PSYC 3200	EXPERIENCING RESEARCH IN PSYCHOLOGY	2

Core Lectures

PSYC 3315	SOCIAL PSYCHOLOGY	3
PSYC 3322	BRAIN AND BEHAVIOR	3
PSYC 3334	COGNITIVE PROCESSES	3
PSYC 3302	BUSINESS PSYCHOLOGY	3

Lecture Groups

Select one three-hour lecture course from each of the following groups:

Group I 3

PSYC 2317	BASIC CONCEPTS IN HUMAN SEXUALITY	
PSYC 3303	DRUGS AND BEHAVIOR	
PSYC 3314	PSYCHOLOGY OF PERSONALITY	
PSYC 3325	DATA SCIENCE IN PSYCHOLOGY	
PSYC 3357	CYBERPSYCHOLOGY BASIC CONCEPTS	
PSYC 3358	CYBERPSYCHOLOGY APPLICATIONS	
PSYC 3359	POLITICAL PSYCHOLOGY FOR THE INTERNET	
PSYC 4339	PSYCHOLOGY OF JUDGMENT AND CHOICE	
PSYC 4359	SELECTED TOPICS IN PSYCHOLOGY	

Group II 3

PSYC 3304	ANALYSIS & MANAGEMENT OF BEHAVIOR	
PSYC 3320	BEHAVIOR AND MOTIVATION	
PSYC 3326	ANIMAL BEHAVIOR	
PSYC 3356	EVOLUTIONARY PSYCHOLOGY	
PSYC 4301	PRINCIPLES OF NEUROSCIENCE	
PSYC 4309	NEUROPHARMACOLOGY	
PSYC 4315	HORMONES AND BEHAVIOR	
PSYC 4327	BEHAVIORAL GENETICS	
PSYC 4332	THEORIES OF HUMAN LEARNING AND MEMORY	
PSYC 4334	SENSATION AND PERCEPTION	
PSYC 4335	COGNITIVE DEVELOPMENT	
PSYC 4338	COGNITIVE NEUROSCIENCE	

Group III 3

PSYC 3310	DEVELOPMENTAL PSYCHOLOGY	
PSYC 3312	SOCIAL & PERSONALITY DEVELOPMENT	

PSYC 3317	INTRODUCTION TO CLINICAL AND COUNSELING PSYCHOLOGY	
PSYC 3318	ABNORMAL PSYCHOLOGY	
PSYC 3319	PSYCHOLOGY OF ADOLESCENCE	
PSYC 4357	HEALTH PSYCHOLOGY	
Group IV		3
PSYC 3301	PSYCHOLOGY OF HUMAN RELATIONS	
PSYC 3305	PSYCHOLOGY OF EMPLOYEE TRAINING	
PSYC 3306	PSYCHOLOGY OF CREATIVITY AND CREATIVE THINKING	
Advanced Topics Course		
Select one of the following:		4
PSYC 4410	ADVANCED TOPICS IN DEVELOPMENTAL PSYCHOLOGY	
PSYC 4411	ADVANCED TOPICS IN PERSONALITY	
PSYC 4412	ADVANCED TOPICS IN SOCIAL PSYCHOLOGY	
PSYC 4420	EXPERIMENTAL ANALYSIS OF BEHAVIOR	
PSYC 4421	ADVANCED TOPICS IN NEUROSCIENCE	
PSYC 4415	INTERNSHIP IN PSYCHOLOGY	
PSYC 4430	ADVANCED TOPICS IN CLINICAL COUNSELING	
PSYC 4431	ADVANCED TOPICS IN COGNITIVE SCIENCE	
PSYC 4432	ADVANCED TOPICS IN HEALTH	
Teaching Component		
SCIE 1334	STEP 1 & 2 COMBO: INQUIRY APPROACHES TO TEACHING & LESSON DESIGN	3
SCIE 4332	CLASSROOM INTERACTIONS	3
PHIL 2314	PERSPECTIVES ON SCIENCE AND MATHEMATICS	3
SCIE 4333	MULTIPLE TEACHING PRACTICES	3
SCIE 4607	CAPSTONE TEACHING EXPERIENCE FOR STEM SECONDARY GRADES	6
SCIE 4107	CAPSTONE TEACHING EXPERIENCE SEMINAR	1
Mathematics Minor		
MATH 2330	FUNCTIONS AND MODELING	3
MATH 3301	FOUNDATIONS OF GEOMETRY	3
MATH 3307	ELEMENTARY NUMBER THEORY	3
MATH 3314	DISCRETE MATHEMATICS	3
Total Hours		122

Advising Resources

Psychology Advisors are available to meet with:

1. Non-freshman students who have met the College of Science transition criteria to be advised in the College of Science
2. Transfer students
3. Students who wish to minor in Psychology

EMAIL:

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PHONE:

817-272-2281

WEB:

Psychology Advising (<https://www.uta.edu/academics/schools-colleges/science/departments/psychology/advising/>)