

Bachelor Science in Biology to Master of Science in Biology Fast Track

About This Program

Bachelor of Science in Biology to Master of Science in Biology Fast Track will enable outstanding senior undergraduate Biology students to satisfy degree requirements leading to a master's degree in Biology while completing their undergraduate studies.

Undergraduate Biology students will apply when they are within 30 hours of completing their bachelor's degrees. They must have completed at least 30 hours at UTA, achieving a GPA of at least 3.3 in those courses, have an overall GPA of 3.3 or better in all department courses, and have a GPA of at least 3.3 in all biology courses taken at UTA. Additionally, they must have completed 13 hours of specified undergraduate fast track foundation courses at UTA with a minimum GPA of 3.5 in these courses. If one of these courses is transferred from another school it will not be included, and an equivalent course determined by the undergraduate advisor will be used as a fast track foundation course.

ASSOCIATED PROGRAMS

For detailed information about the programs associated with this Fast Track, refer to their individual degree pages.

Biology BS (<https://catalog.uta.edu/science/biology/undergraduate/bio-bs/>)

Biology MS (<https://catalog.uta.edu/science/biology/graduate/bio-thesis-ms/>)

Admissions Criteria

For admission to the fast track program undergraduates should:

- be within 30 hours of graduation
- have completed 30 hours at UTA
- have earned a GPA of at least 3.3 overall and in Biology
- have completed the following courses with GPA of at least 3.0:
 - BIOL 2300 BIOSTATISTICS
 - BIOL 3315 GENETICS
 - BIOL 3301 CELL PHYSIOLOGY
- have completed BIOL 2444 GENERAL MICROBIOLOGY with a 4.0.

BIOL students pursuing the fast track will be allowed to take BIOL 5309, BIOL 5304, and BIOL 5314 in place of advanced undergraduate biology electives.

Curriculum

BS Foundations

General Core Requirements (<https://catalog.uta.edu/academicregulations/degree requirements/generalcore requirements/>)

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Students must complete specific courses in certain core areas.

For Communication select:

ENGL 1301	RHETORIC AND COMPOSITION I
ENGL 1302	RHETORIC AND COMPOSITION II

For Life & Physical Sciences select:

PHYS 1441	GENERAL COLLEGE PHYSICS I
PHYS 1442	GENERAL COLLEGE PHYSICS II

For Mathematics select:

MATH 1421	PREPARATION FOR CALCULUS
MATH 1426	CALCULUS I

Biology Foundations

Additional hours required in core.		4
BIOL 1131	BIOLOGY FOUNDATIONS	1
COMS 2302	PROFESSIONAL AND TECHNICAL COMMUNICATION FOR SCIENCE AND ENGINEERING	3
CHEM 1441	GENERAL CHEMISTRY I	4
CHEM 1442	GENERAL CHEMISTRY II	4

CHEM 2321	ORGANIC CHEMISTRY I	3
CHEM 2322	ORGANIC CHEMISTRY II	3
CHEM 2181	ORGANIC CHEMISTRY I LABORATORY	1
CHEM 2182	ORGANIC CHEMISTRY II LABORATORY	1
Select courses at any level sufficient to complete 111 undergraduate hours.		3
Select three 3000/4000 level courses.		9
Biology Specialization		
BIOL 1441	BIOLOGY I FOR SCIENCE MAJORS: CELL AND MOLECULAR BIOLOGY	4
BIOL 1442	BIOLOGY II FOR SCIENCE MAJORS: ECOLOGY AND EVOLUTION	4
BIOL 2300	BIostatISTICS	3
BIOL 2444	GENERAL MICROBIOLOGY	4
BIOL 3315	GENETICS	3
BIOL 3301	CELL PHYSIOLOGY	3
BIOL 3454	GENERAL ZOOLOGY	4
or BIOL 3427	PLANT SCIENCE	
BIOL 3442	HUMAN PHYSIOLOGY	4
or BIOL 3446	HUMAN ANATOMY	
BIOL 3310	SELECTED TOPICS IN BIOLOGY	3
BIOL 3101	CURRENT TOPICS IN BIOLOGY	1
MS Program		
BIOL 5309	IMMUNOLOGY	3
BIOL 5304	VIROLOGY	3
BIOL 5311	EVOLUTION	3
BIOL 5314	BIOMETRY	3
BIOL 5317	BACTERIAL PATHOGENESIS	3
BIOL 5319	HUMAN GENETICS	3
BIOL 5335	ESSENTIALS OF GENOMICS	3
BIOL 5340	BIOINFORMATICS	3
BIOL 5354	LIMNOLOGY	3
BIOL 5310	SELECTED TOPICS IN BIOLOGY	3
Total Hours		141

This program consists of 111 undergraduate credit hours, plus 30 graduate credit hours.

SUGGESTED COURSE SEQUENCE

First Year

First Semester	Hours	Second Semester	Hours
BIOL 1441		4 BIOL 1442	4
CHEM 1441		4 CHEM 1442	4
ENGL 1301		3 ENGL 1302	3
BIOL 1131		1 POLS 2312	3
POLS 2311		3	
		15	14

Second Year

First Semester	Hours	Second Semester	Hours
BIOL 2300		3 BIOL 2444	4
CHEM 2321 & CHEM 2181		4 CHEM 2322 & CHEM 2182	4
HIST 1301 or 1331		3 MATH 1426	4
MATH 1421		4 HIST 1302 or 1332	3
COMS 2302		3	
		17	15

Third Year

First Semester	Hours	Second Semester	Hours
BIOL 3315		3 BIOL 3301	3
BIOL 3454 or 3427		4 BIOL 3442 or 3446	4

BIOL 3101		1 PHYS 1442	4
PHYS 1441		4 Social Science	3
Language, Phil and Culture		3	
		15	14
Fourth Year			
First Semester	Hours	Second Semester	Hours
BIOL 5309		3 BIOL 5304	3
BIOL 5314		3 BIOL 3310	3
Creative Arts		3 Any level Elective	3
Foundational Component Core Elective		3 Advanced Electives	6
Advanced Elective		3	
		15	15
Fifth Year			
First Semester	Hours	Second Semester	Hours
BIOL 5340		3 BIOL 5311	3
BIOL 5310		3 BIOL 5317	3
BIOL 5354		3 BIOL 5319	3
		BIOL 5335	3
		9	12
Total Hours: 141			

Advising Resources

Biology department advising is available for transfer students, prospective students, and first time in college students after meeting transition criteria.

Location:

Life Science Building 3rd floor - 345, 347, 349, 351

Email:

Find advisor emails at link below.

Phone:

817-272-2408

Web:

Contact your advisor - schedule an appointment (<https://www.uta.edu/academics/schools-colleges/science/departments/biology/advising/>)