

Accelerated BS-MS Biological Sciences

The BS-MS accelerated degree program allows undergraduate students in the Biology program to begin coursework towards the non-thesis option of the Master of Science in Biology program during their senior year at Texas A&M University-Commerce. Students can earn a B.S. and M.S. degree in five years upon completion of degree requirements for both degrees. For this accelerated program, 6 credits of graduate coursework can be applied to the undergraduate degree. To be admitted to the BS/MS Accelerated program in Biology, the candidate must be a Biology major with an overall Undergraduate GPA of 3.25. Students must apply for the accelerated program during the semester they will earn 90 semester hours or more towards their bachelors program. Once admitted, the BS/MS candidate must maintain a 3.25 Undergraduate GPA.

Core Curriculum Courses

See the Core Curriculum Requirements (<http://coursecatalog.tamuc.edu/undergrad/core-curriculum-requirements/>) 42

Required courses in the major 30

BSC 1406	Introductory Biology I	4
BSC 1407	Introductory Biology II	4
BSC 303	Cell Biology	4
BSC 304	Genetics	4
BSC 305	General Physiology	4
BSC 306	Applied Microbiology	4
BSC 307	Ecology	3
BSC 401	Research Literature and Seminar	3

Required support courses 26

CHEM 1311	General and Quantitative Chemistry I *	
CHEM 1111	General and Quantitative Chemistry Laboratory I	1
CHEM 101	General Chemistry Tutorial I	1
CHEM 1312	General and Quantitative Chemistry II *	
CHEM 1112	General and Quantitative Chemistry Laboratory II	1
CHEM 102	General Chemistry Tutorial II	1
CHEM 2323	Organic Chemistry I	3
CHEM 2123	Organic Chemistry Laboratory I	1
CHEM 2325	Organic Chemistry II	3
CHEM 2125	Organic Chemistry Laboratory II	1
PHYS 1401	College Physics I	4
or PHYS 2425	University Physics I	
PHYS 1402	College Physics II	4
or PHYS 2426	University Physics II	
SOC 1301	Introduction to Sociology *	

Plus 6 sequential sh from:

MATH 1314	College Algebra *	
MATH 2312	Pre-Calculus *	
MATH 2413	Calculus I *	
MATH 2414	Calculus II	4

Plus one course from:

HHPH 331	Nutrition *	
or PSY 2301	Introduction to Psychology	

Plus one course from:

BSC 504A	Advanced Biostatistics	
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Advanced Courses Required 22

BSC 515A	Advanced Cell Biology	
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Plus 19 sh from 300 or 400 upper level BSC courses other than the required courses in the major.

Total Hours

120