

BACHELOR OF SCIENCE

BIOLOGY/PRE-PHYSICIAN ASSISTANT TRACK



THOMAS MORE
UNIVERSITY

Approved Sample Curriculum

The curriculum in Biology, formulated according to both classical and contemporary biological concepts, prepares the student for continuing intellectual growth and professional development in the life sciences. The major program in Biology meets the requirements for most graduate programs in biology and the requirements for Physical Therapy other medically-related programs. Students interested in pursuing any of these programs should consult the Pre-Physical Therapy advisor.

First Year

Fall	CR	Spring	CR
FYE150 First-Year Seminar	1	History Core	3
BIO101/101L General Biology I	4	BIO102/102L General Biology II	4
CHE111/111L General Chemistry I	4	CHE113/113L General Chemistry II	4
CIS111 Introduction to Computer Info Systems	3	SOC105 Principles of Sociology	3
ENG150 Literature, Writing and Research	3	MAT115 Pre-calculus OR MAT143 Elements of Calculus**	3-4
Subtotal		Subtotal	
15		17-18	

Second Year

Fall	CR	Spring	CR
BIO211/211L Anatomy and Physiology I	4	BIO212/212L Anatomy and Physiology II	4
BIO204 Evolution Seminar	3	BIO206/206L Genetics	4
CHE220/220L Organic Chemistry I	4	CHE240/240L Organic Chemistry II	4
BIO205 Biological Literature	3	MAT205 Statistics	3
MAT 143 Element of Calculus** OR Elective	3		
Subtotal		Subtotal	
17		15	

Third Year

Fall	CR	Spring	CR
BIO3XX Biology Elective ***	4	BIO305/305L Microbiology OR BIO330/330L Biochemistry *	4
PHY121/121L Elements of Physics I	4	PHY122/122L Elements of Physics II	4
PSY105 General Psychology	3	ENG 200+ (English Literature)	3
Foreign Language	3	COM105 Fundamentals of Public Speaking	3
Outer Core Elective (Minor, Second Major, or Outer core sequence)	3	Outer Core Elective (Minor, Second Major, or Outer core sequence)	3
Subtotal		Subtotal	
17		17	

Fourth Year

Fall	CR	Spring	CR
BIO3XX Biology Elective ("C" ecological course) ***	4	BIO489 Biology Seminar	3
Philosophy Core #1 – Ethics, preferred	1-3	BIO305/305L Microbiology OR BIO330/330L Biochemistry *	4
PSY214 Lifespan Development	3	BIO207 Medical Terminology	2
Fine Arts Core	3	Philosophy Core #2	1-3
Theology Core	3	Theology Core	3
		Outer Core Elective (Minor, Second Major, or Outer core sequence)	3-4
Subtotal		Subtotal	
14-16		16-17	

Total Credits: 128-132

Italics: Additional courses needed by many PA programs, **Bold:** need for a BS in Biology

* Position of Microbiology and Biochemistry in curriculum depends on year it is offered. All PA programs require Microbiology; some require Biochemistry.

** Important note: it is highly recommended that students take MAT143 in their first year. If fewer credit hours are to be taken, students should postpone a core course (e.g., HIS 101).

*** Various PA programs require various courses. Be sure to check the PA programs to which you are applying.

Updated: Spring 2024

Please note: No student earning a BS in Biology may graduate with more than one "C-" in an Biology (BIO) course required for their major.

BACHELOR OF ARTS

BIOLOGY/PRE-PHYSICIAN ASSISTANT TRACK



THOMAS MORE
UNIVERSITY

Approved Sample Curriculum

The curriculum in Biology, formulated according to both classical and contemporary biological concepts, prepares the student for continuing intellectual growth and professional development in the life sciences. The major program in Biology meets the requirements for most graduate programs in biology and the requirements for Physical Therapy other medically-related programs. Students interested in pursuing any of these programs should consult the Pre-Physical Therapy advisor.

First Year

Fall	CR	Spring	CR
FYE150 First-Year Seminar	1	History Core	3
BIO101/101L General Biology I	4	BIO102/102L General Biology II	4
CHE111/111L General Chemistry I	4	CHE113/113L General Chemistry II	4
ENG150 Literature, Writing and Research	3	COM105 Foundations of Public Speaking	3
CIS111 Introduction to Computer Info Systems	3		
Subtotal	15	Subtotal	14

Second Year

Fall	CR	Spring	CR
BIO211/211L Anatomy and Physiology I	4	BIO212/212L Anatomy and Physiology II	4
BIO204 Evolution Seminar	3	BIO206/206L Genetics	4
BIO205 Biological Literature	3	Foreign Language	3
CHE220/220L Organic Chemistry I	4	CHE220/220L Organic Chemistry II **	4
PSY105 Psychology	3		
Subtotal	17	Subtotal	15

Third Year

Fall	CR	Spring	CR
BIO3XX Biology Elective ***	4	BIO305/305L Microbiology OR BIO330/330L Biochemistry *	4
PSY214 Lifespan Development	3	BIO207 Medical Terminology	2
Theology Core	3	Philosophy Core #1 – Ethics preferred	1-3
MAT205 Statistics	3	SOC105 Sociology	3
Outer Core Elective (Minor, Second Major, or Outer core sequence)	3-4	Elective or BIO Concentration Course	3-4
Subtotal	16-17	Subtotal	13-16

Fourth Year

Fall	CR	Spring	CR
BIO3XX Biology Elective ("C" ecological course) ***	4	BIO305/305L Microbiology OR BIO330/330L Biochemistry *	4
Fine Arts Core	3	BIO489 Biology Seminar	3
Philosophy Core #2	1-3	Theology Core	3
Outer Core Elective (Minor, Second Major, or Outer core sequence)	3-4	Elective or BIO Concentration Course	3-4
ENG250+ English Literature	3	Outer Core Elective (Minor, Second Major, or Outer core sequence)	3-4
Subtotal	14 - 17	Subtotal	16 - 17

Total Credits: 120 - 128

Italics: Additional courses needed by many PA programs, **Bold:** need for a BA in Biology

* Position of Microbiology and Biochemistry in curriculum depends on year it is offered. All PA programs require Microbiology; some require Biochemistry.

** May substitute Physics I in Fall of third year, but more PA programs typically require Organic Chemistry than Physics.

*** Various PA programs require various courses. Be sure to check the PA programs to which you are applying.

Updated: Spring 2024

Please note: No student earning a BS in Biology may graduate with more than one "C-" in an Biology (BIO) course required for their major