



# Biology

## Bachelor of Science in

# TRINE UNIVERSITY

Transfer Overview	Credits
Notre Dame College - BA/BS Biology credits transferred	90
Trine BS, Biology remaining credits to complete	30
<b>Total Credits</b>	<b>120</b>

## Trine Bachelor of Science in Biology - 120 Credit Hours

General Education Requirements - 32 Hours			Transfer Institution Information	
Communication - 9 hours		Credits	Notre Dame College	Credits
ENG 143	College Composition	3	ENG 100 College Composition I	3
HUM 203	Humanities Seminar	3	ENG 101 College Composition II (SUB)*	3
SP 203	Effective Speaking	3	CA 100 Speech	3
Humanities and Social Science - 9 hours				
PSY 113	Principles of Psychology	3	PY 201 General Psychology	3
	Humanities Elective	3	Creative, Theological, Philosophical, or Literary Inquiry	3
	Social Science Elective	3	Global Learning - EC, HI, or PO	3
Mathematics and Science - 14 hours				
MA 113	College Algebra	3	MA 110 Intermediate Algebra	3
MA 123	Trigonometry	3	MA 144 Precalculus Mathematics	3
CH 104	General Chemistry I	4	CH 118/119 General Chemistry I & Lab	4
CH 114	General Chemistry II	4	CH 120/121 General Chemistry II & Lab	4
Biology Core - 51 hours				
UE 101	University Experience	1	FYF 100 First Year	1
BIO 114	Principles of Biology I	4	BIO 114/115 General Biology I & Lab	4
BIO 124	Principles of Biology II	4	BIO 116/117 General Biology II & Lab	4
BIO 202	Intro to Biological Lit & Comm	2		
BIO 233	Cell Biology	3	BI 307/L Cell & Molecular Biology & Lab	4
MA 253	Statistics	3	MA 221 Statistics	3
BIO 274	General Ecology	4	BI 310/311 Ecology & Lab	4
BIO 302	Professional Practice	2		
BIO 304 or BIO 314	Plant Biology or Animal Biology	4	BI 317/L Plant Biology & Lab	4
BIO 324	Microbiology	4	BI 360/361 Microbiology & Lab	4
BIO 334 or BIO 424	Environmental Biology or Conservation	4	BI 200/201 Environmental Science & Lab or BI 445 Wildlife Conservation & Mgt & Lab	4
BIO 414	Genetics	4		
CH 204	Organic Chemistry I	4	CH 211/213 Organic Chemistry I	4
PH 154	College Physics I (algebra based)	4	PS 180/181 Basic Physics I & Lab	4
SCI 412 and SCI 422 or SCI 434	Senior Research Seminar and Science Research Project or Science Internship	4		
Biology Tracks - 37 hours				
Traditional Track				
	BIO 300-400 Level Elective	10	Complete with applicable courses from undistributed credits in guidance with the Science department.	
	Math or Science Elective	8	Complete with applicable courses from undistributed credits in guidance with the Science department.	
	General Electives	19	Complete from undistributed credits. Total transfer credit not to exceed 90 credits.	

Physician Assistant Track				
BIO 163	Medical Terminology	3		
BIO 364 or BIO 454	Toxicology or Molecular Biology	4		
BIO 383 or BIO 433	Intro to Pharmacology or Pathology	3		
BIO 384	Human Anatomy & Physiology I	4		
BIO 394	Human Anatomy & Physiology II	4		
BIO 434	Biochemistry I	4		
	General Electives	15		
Physical Therapy Track				
ENG 453	Advanced Composition	3		
BIO 364	Toxicology	4		
BIO 384	Human Anatomy & Physiology I	4		
BIO 394	Human Anatomy & Physiology II	4		
PH 164	College Physics II	4		
	BIO 300-400 Level Elective	3		
	General Electives	15		
Pre-Medical Track				
BIO 434	Biochemistry I	4		
CH 214	Organic Chemistry II	4		
MA 134	Calculus I	4		
PH 164	College Physics II	4		
PHL 313	Ethics	3		
SOC 103	Principles of Sociology	3		
	BIO 300-400 Level Elective	6		
	General Electives	9		
	<b>Total</b>	<b>120</b>	<b>Transfer Total</b>	<b>90</b>

\*HUM 203 Humanities Seminar has a residency requirement with no substitutions or transfers. This will be waived for Notre Dame College students who have successfully completed ENG 101 College Composition II.

#### Transfer Policy

1. An official college/university transcript sent or scores from the transferring college to Trine University.
2. A grade of "C" or higher was earned in the transferring course.
3. Credits are from a regionally accredited or DOE institution.
4. Courses are 100-level or higher (not pre-college, remedial, developmental, preparatory, or credits through testing or assessed learning).