



Bachelor of Science in Biology

TRINE UNIVERSITY

Transfer Overview	Credit Hours
Iowa Wesleyan University - BS Biology credits transferred	90
Trine BS Biology remaining credits to complete	30
Total Credits	120

Trine Bachelor of Science in Biology - 120 Credit Hours

General Education Requirements - 33 Hours		Transfer Institution Information		
Communication - 9 hours		Credits	Iowa Wesleyan University	Credits
ENG 143	College Composition	3	ENG 110 College Research	3
HUM 203	Humanities Seminar	3	ENG 109 College Composition (SUB)*	3
SP 203	Effective Speaking	3	COMM 147 Intro to Public Speaking	3
Humanities and Social Science - 9 hours				
PSY 113	Principles of Psychology	3	PSYC 131 General Psychology	3
	Humanities Elective	3	Humanities	3
	Social Science Elective	3	Social Science	3
Mathematics and Science - 14 hours				
MA 113	College Algebra	3		
MA 123	Trigonometry	3	MATH 201 Pre-Calculus	3
CH 104	General Chemistry I	4	CHEM 175 General Chemistry I	4
CH 114	General Chemistry II	4	CHEM 176 General Chemistry II	4
Biology Core - 51 hours				
UE 101	University Experience	1	WS 147 Tiger Perspectives	1
BIO 114	Principles of Biology I	4	BIO 105 General Biology I	4
BIO 124	Principles of Biology II	4	BIO 205 General Biology II	4
BIO 202	Intro to Biological Lit & Comm	3		
BIO 233	Cell Biology	3		
MA 253	Statistics	3	MATH 171 Elementary Statistics	4
BIO 274	General Ecology	4		
BIO 302	Professional Practice	2		
BIO 304 or BIO 314	Plant Biology or Animal Biology	4		
BIO 324	Microbiology	4	BIO 350 Microbiology	4
BIO 334 or BIO 214	Environmental Biology or Conservation	4		
BIO 414	Genetics	4		
CH 204	Organic Chemistry I	4	CHEM 355 Organic Chemistry I	4
PH 154	College Physics I (algebra based)	4	PHYS 210 General Physics I	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		
	Total	120	Transfer Total	90

*HUM 203 Humanities Seminar has a residency requirement with no substitutions or transfers. This will be waived for Iowa Wesleyan University students who have successfully completed ENG 109 College Composition.

Undistributed Credits	Credits
WS 148 Tiger Expeditions	1
Humanities Electives	3
Culture & Diversity	3
BIO 241 Anatomy & Physiology I or BIO 242 Anatomy & Physiology II	4
BIO 260 Ecology & Conservation	4
BIO 355 Genetics	3
BIO 495 Research in Biology or Chemistry	1
BIO 498 Internship in Biology	6
BIO 499 Biology Seminar I	1
Biology Concentration	23-33

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).