



Bachelor of Science in Biology

TRINE UNIVERSITY

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TRANSFER OVERVIEW		Credit Hours
Finlandia University – BA/BS Biology credits transferred		90
Trine BS in Biology remaining credits to complete		30
Total Credits		120

Trine Bachelor of Science in Biology degree - 120 credit hours

General Education Requirements – 32 hours			Transfer Institution Information	
Communication – 9 hours			Finlandia University	Credits
ENG 143	College Composition	3	ENG 104 College English II	3
HUM 203	Humanities Seminar	3	ENG 103 College English I (sub)*	3
SP 203	Effective Speaking	3	COM 108 Fund of Public Speaking	3
Humanities and Social Science – 9 hours				
PSY 113	Principle of Psychology	3	PSY 101 Intro to Psychology – Soc Sci Elect	3
	Social Science Elective	3	Social Science Elective	3
	Humanities Elective	3	REL/FNS Religion or Finnish Studies	3
Mathematics and Science – 14 hours				
MA 113	College Algebra	3	MAT 191 Calculus I	3
MA 123	Trigonometry	3		
CH 104	General Chemistry I	4	CHM 115 General Chemistry I	4
CH 114	General Chemistry II	4	CHM 116 General Chemistry II	4
Biology Core – 51 hours				
UE 101	University Experience	1	UNS 115 Sisu Seminar	1
BIO 114	Principles of Biology I	4	BIO 111 Biology: Essentials for Life	4
BIO 124	Principles of Biology II	4	BIO 113 Biology: Diversity of Life	4
BIO 202	Intro to Biological Literature & Comm	2		
BIO 233	Cell Biology	3	BIO 330 Cell Biology	3
BIO 273 – or – MA 253	Analysis of Biological Data – or – Statistics	3	BIO 453 Research Methods & Biostatistics	3
BIO 274	General Ecology	4	BIO 300 Ecology	4
BIO 302	Professional Practice in Science	2		
BIO 304 – or – BIO 314	Plant Biology – or – Animal Biology	4	BIO 251 Animal Physiology	4
BIO 324	Microbiology	4	BIO 273 Microbiology	4
BIO 334 – or – BIO 214	Environmental Biology – or – Conservation	4		
BIO 414	Genetics	4	BIO 320 Genetics	4
CH 204	Organic Chemistry I	4	CHM 215 Organic Chemistry	4
CH 154	College Physic I	4	PHS 105 College Physics I	4
SCI 412 & SCI 422 Or SCI 434	Senior Research Seminar & Project Or Science Internship	4		
Biology Tracks – 37 hours				
Traditional Track				
	300/400 Level BIO Elective	10	Complete from undistributed credits where applicable. Total transfer credit not to exceed 90 credits.	
	Math or Science Elective	8		
	General Elective	19		
Physician Assistant Track				
BIO 163	Medical Terminology	3		
BIO 364 – or – BIO 454	Toxicology – or – Molecular Biology	4		
BIO 383 – or – BIO 443	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 Elective	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		
	300/400 Level BIO Elective	3		
	General Elective	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		
	300/400 Level BIO Elective	6		
	General Elective	9		
	TOTAL	120	Transfer Total	90

*HUM 203 Humanities Seminar has a residency requirement with no substitutions or transfers. This will be waived for Finlandia students who have successfully completed ENG 103 College English I.

Finlandia Undistributed Credits
MAT 191 Calculus I (split 1)
BIO 241 Comparative Vertebrate Anatomy
CHM 216 Organic Chemistry II
PHS 106 College Physics II
Social Science Elective (3)
Humanities Electives (9)
BIO 100 The Biology Major
BIO 382 Junior Seminar
BIO 495 Capstone Prep Course
BIO 499 Senior Capstone
Open Electives (22)