TRINE UNIVERSITY

Siena Heights Transfer Guide to BS - Mathematics

72 hours total eligible for transfer. Only 48 hours left to complete 120 hours of program requirements.

TRINE UNIVERSITY BACHELOR OF SCIENCE IN MATHEMATICS (120 HRS)				
Siena Heights University BS - Mathematics				72
Trine University BS - Mathematics				48
			Total Credits	120
General Education Requirements – 33 hours			**Transfer Institution Information**	
Communication – 12 hrs.		**Credits**	**Siena Heights Univ**	**Credits**
ENG 143	College Composition	3	ENG 102	3
HUM 203	Humanities Seminar	3		
SP 203	Effective Speaking	3	TSD 101	3
Humanities and Social Science – 9 hrs.				
PHL 343	Logic	3	PHI 311	3
	Social Science Elective	3	SOCIAL SCIENCE ELECTIVE	3
	Humanities or Social Science Elective	3	PHILOSOPHY or RELIGIOUS STUDIES	3
Mathematics and Science – 12 hrs.				
MA 134	Calculus I	4	MAT 181	4
Complete 1 set of BIO, CH, or PH				
BIO 114 & BIO 124	Principles of Biology I & Principles of Biology II	8		
OR				
CH 104 & CH 114	General Chemistry I & General Chemistry II	8		
OR				
PH 224 & PH 234	University Physics I & University Physics II	8	PHYS 161 PHYS 162	8
Additional Requirements - 1 hrs.				
UE 101	University Experience	1		
Mathematics Content Area - 37 hrs.				
MA 143	Discrete Mathematics	3		
MA 164	Calculus II	4	MAT 182	4
MA 213	Calculus III	3	MAT 292	3
MA 233	Differential Equations	3	MAT 282	3
MA 313	Introduction to Linear Algebra	3	MAT 345	3
MA 343	Introduction to Proofs	3		
MA 453	Point-Set Topology	3		
MA 4013	Abstract Algebra	3	MAT 442	3
MA 403	Real Analysis	3	MAT 462	3
MA 423	Complex Variables	3		
MA 473	Graph Theory & Combinatorics	3		
MA 483	Mathematics Capstone I	3		
Choose 9 credits from below:				
MA 333	Number Theory	3		
MA 353	Vector Analysis	3		
MA 363	Advanced Differential Equations	3		
MA 3093	Probability	3		
MA 393	Probability & Statistics	3		
MA 3003	Topics in Mathematics	3		
MA 3193	Financial Mathematics	3		
MA 3293	Advanced Probability & Statistics	3		
MA 413	Advanced Linear Algebra	3		
MA 4003	Special Problems in Mathematics	3		
Electives – 40 hrs.				
	Elective	3	MAT 149	3
	Elective	3	MAT 174	3
	Elective	1	MAT 295	1
	Elective	1	MAT 296	1
	Elective	1	MAT 396	1
	Elective	1	MAT 495	1
	Elective	1	MAT 496	1
	Elective	3	MAT 350	3
	Elective	3	MAT 352	3
	Elective	3	MAT 356	3
	Elective	3	FINE & PERFORMING ARTS	3
	Elective	3	ENG 101	3
	Elective	3		
	Elective	3		
	Elective	3		
	Elective	3		
	Elective	2		
	TOTAL	**120**		**72**

Transfer Policy

- Official transcripts and scores sent to Trine University.
- A grade of “C” or higher earned.