



TRINE UNIVERSITY

Siena Heights Transfer Guide to BS - Mathematics Education (5-12)

85 hours total eligible for transfer. Only 35 hours left to complete 120 hours of program requirements.

TRINE UNIVERSITY BACHELOR OF SCIENCE IN MATHEMATICS EDUCATION (120 HRS)			
Siena Heights University BA - Mathematics, Secondary Educator Certification			85
Trine University BS - Mathematics Education (5-12)			35
Total Credits			120
General Education Requirements – 30 hours		Transfer Institution Information	
Communication – 12 hrs.		Credits	Credits
ENG 143	College Composition	3	ENG 102
HUM 203	Humanities Seminar	3	
SP 203	Effective Speaking	3	EDU 205
Humanities and Social Science – 9 hrs.			
PSY 113	Principles of Psychology	3	PSY 111
EDU 273	Issues in American Education	3	EDU 201
ENG 153	Introduction to Literature	3	ENG 113
Mathematics and Science – 9 hrs.			
MA 134	Calculus I	4	MAT 181
	Science Elective	3	BIO 141 or CHE 141 or ENV 110 or PHY 161
	Math or Science Elective	2	MATH OR SCIENCE ELECTIVE
Other - 3 hrs.			
EDU 463	Educational Media & Technology	3	EDU 320
Additional Requirements - 1 hrs.			
UE 101	University Experience	1	
Mathematics Content Area - 28 hrs.			
MA 164	Calculus II	4	MAT 182
MA 213	Calculus III	3	
MA 233	Differential Equations	3	
MA 303	College Geometry	3	MAT 352
MA 313	Introduction to Linear Algebra	3	MAT 345
MA 343	Introduction to Proofs	3	
MA 4013	Abstract Algebra	3	MAT 261 OR MAT 442
MA 393	Probability & Statistics	3	
MA 473	Graph Theory & Combinatorics	3	
Professional Education Core – 39 hrs.			
EDU 111	Education Exploration	1	EDU 150
EDU 211	Education Immersion	1	EDU 250
EDU 232	Educational Psychology for Mid/Sec Teacher	2	EDU 115
EDU 301	Instructional Design Clinical Experience	1	EDU 350
EDU 303	Instructional Design	3	
EDU 312	Exceptional Learners	2	EDU 315
EDU 322	Culturally Responsive Teaching	2	EDU 340
EDU 331	Literacy in the Content Area Clinical Experience	1	EDU 336
EDU 332	Literacy in the Content Area	2	
EDU 362	Classroom Behavior & Environment	2	EDU 352
EDU 411	Practicum in Teaching - Middle School	1	
EDU 412	The Middle School	2	
EDU 422	Middle School Methods	2	
EDU 431	Secondary Methods Practicum	1	EDU 372
EDU 442	Secondary Methods	2	
EDU 462	Educational Measurement	2	EDU 343
EDU 470	Supervised Student Teaching	10	
EDU 482	Student Teaching Seminar	2	
Electives – 22 hrs.			
	Elective	3	MAT 149
	Elective	3	MAT 174
	Elective	3	MAT 244
	Elective	3	MAT 252
	Elective	3	MAT 350
	Elective	3	MAT 356
	Elective	4	MAT 372
TOTAL		120	85

Transfer Policy

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

Mathematics Education (5-12)