## Bloomsburg University - Department of Educational Studies and Secondary Education Bachelor of Science in Secondary Education and Mathematics

Source Nature of Mathematics Major   35   Values - 3 Credits   3   1)   3   3   15   53.25 Calculus III   3   53.25 Calculus III   3   51.25 Calculus III   3   51.25 Calculus III   53.26 Calculus III   53.26 Calculus III   53.26 Calculus III   53.26 Calculus III   53.27 Calculus	Courses	Cr.	Taken:	Courses	Cr.	Taken:
Saz 25 Calculus III	Courses Required for Mathematics Major	35		Values - 3 Credits		
Sa 226 Calculus IV   3   1   1   1   1   1   1   1   1   1	53.185 Discrete Mathematics	3		1)	3	
3   2    1   1   1   1   1   1   1   1	53.225 Calculus III	3		Fitness - 2 Credits		
Sa. 231 College Geometry	53.226 Calculus IV	3		1)	1	
S3.314 Linear Algebra   3	53.231 College Geometry	3			1	
53.400 Number Theory   3   2   3   3   3   3   3   3   3   3	53.310 Intro Abstract Algebra or 53.421 Advanced Calculus	3		Group A (Humanities) <sup>2</sup> - 9 additional Credits	<u></u>	
Sale	53.314 Linear Algebra	3		1) 25.103 Public Speaking or 25.104 Interpersonal Comm.		
Sa 410 Mathematical Modeling   3   3   3   3   3   3   3   3   3	53.360 Number Theory	3		2)	3	
Mathematics Elective (53.311 or higher): 1) 3 Group B (Social Sciences) - 12 Credits 56.121 Object-Orlented Programming with Java 4 1) 45.211 Prin. Sociology or 46.200 Prin. Cult. Anthropology 3 Computer Science Elective (56.122 or higher, 3-4 credits) 2) 48.101 General Psychology 3 1) 42 21 Horin. Sociology or 46.200 Prin. Cult. Anthropology 3 2) 48.101 General Psychology 3 3 Courses Required for Secondary Education 32 Group C (Nat. Sci. & Math) - 0 Additional Credits 56.305 Computer Applications in Secondary Math 1) 53.126 Calculus II 3 or 60.204 Educational Computing & Technology 2) 53.241 Probability & Statistics 3 or 60.351 Virtual Learning Communities 3 or 60.351 Virtual Learning Communities 3 60.206 Teachers, Schools and Society 2 60.291 Principles of Teaching 3 60.291 Principles of Teaching 3 60.393 Social Foundations of Education 3 60.393 Social Poundations of Education 3 60.393 Social Sciences) - 12 Credits 6 60.497 Teaching in Education: Second Experience 6 60.498 Teaching in Education: Second Experience 6 60.498 Teaching in Education: Second Experience 6 60.498 Teaching in Education: Second Experience 6 60.499 Teaching in Education: Second Experience 7 60.201 Teaching 1 Education: Second Experience 8 60.490 Teaching in Education: Second Experience 9 60.490 Teachin	53.410 Mathematical Modeling	3		0)	3	
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1) 4 3) 48.212 Adolescence 3 4) 70.101 Introduction to Exceptional Individuals 3 Courses Required for Secondary Education 32 Group C (Nat. Sci. & Math) - O Additional Credits 1) 53.126 Calculus II 3 or 60.204 Educational Computing & Technology 7 (2) 53.241 Probability & Statistics 3 or 60.351 Virtual Learning Communities 3 4 (4) 3 (6) 206 Teachers, Schools and Society 2 (6) 251 Psychological Foundations of Education 3 Free Elective (Consult Advisors) 2 (6) 291 Principles of Teaching 3 1) 2 (6) 291 Principles of Teaching 3 1) 2 (6) 291 Principles of Teaching 6 (6) 393 Social Foundations of Education 3 Free Elective (Consult Advisors) 2 (6) 291 Principles of Teaching 6 (6) 393 Social Foundations of Education 3 (7) 4 (7	56.121 Object-Oriented Programming with Java	4		1) 45.211 Prin. Sociology or 46.200 Prin. Cult. Anthropology	3	
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60.498 Teaching in Education: First Experience 6	or 60.406 Multicultural Education	3				
60.498 Teaching in Education: Second Experience 6 Two Approved Diversity Courses (satisfied by major requirements) Satisfied by 70.101 and 60.393 or 60.406 required by major  General Education - Total Credits:  Communication <sup>2</sup> - 9 Credits  20.101 Composition 1  Writing Intensive Literature Course or 20.201 Composition 2  25.103 Public Speaking or 25.104 Interpersonal Comm.  Quantitative - 3 Credits  Two Approved Diversity Courses (satisfied by major requirements)  Satisfied by 70.101 and 60.393 or 60.406 required by major  Note 1: A placement test is required for 53.125; students who need  prerequisite courses may need more than 120 credits to complete the program.  Note 2: Students must count one Communications course under the Group A category, as allowed by General Education Policy, to complete program within 120 credits.  This program shows 25.103 or 25.104 double counted as an example.	65.352 Teaching of Mathematics	3		TOTAL CREDITS FOR PROGRAM	120	
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Writing Intensive Literature Course or 20.201 Composition 2  25.103 Public Speaking or 25.104 Interpersonal Comm.  Quantitative - 3 Credits  Note 2: Students must count one Communications course under the Group A category, as allowed by General Education Policy, to complete program within 120 credits.  This program shows 25.103 or 25.104 double counted as an example.	20.101 Composition 1	3		prerequisite courses may need more than 120 credits to complete the program.		
25.103 Public Speaking or 25.104 Interpersonal Comm.  3 as allowed by General Education Policy, to complete program within 120 credits.  This program shows 25.103 or 25.104 double counted as an example.		3				
Quantitative - 3 Credits       This program shows 25.103 or 25.104 double counted as an example.	•	3				
1						
	53.125 Calculus I <sup>1</sup>	3		Note 3: Decrease Free Electives by 1 credit if 09.100 is taken.		