

BACHELOR OF ARTS IN EDUCATION
MATHEMATICS EDUCATION

GENERAL EDUCATION Courses that are **required** are in bold type.

REQUIRED HOURS48-49

Communication8
ENGL 1113 English Composition I
ENGL 1213 English Composition II
COMM 1312 Basic Speech

Mathematics3
 MATH 1143 Math Concepts
 MATH 1513 College Algebra
OR a higher numbered math course

Computer Application/Technology2
 COMSC 1022 Computers and Information Access
 TECH 1122 Technology & Society

Economics3
ECONO 1113 Contemporary Economics

Health and Physical Education3
HPE R 1133 Wellness Concepts and Exercise Applications (includes 1 hour lab)

Natural Sciences8
BIOL 1004 Biological Concepts
 SCI 1514 Concepts of Physical Science
 SCI 1614 Science & the Environment
 ASTRO 1904 Astronomy
 GEOL 1934 Physical Geology

Fine Arts and Humanities6
 ART 1222 Art Survey
LIT 2412 Introduction to Literature
 MUSIC 1012 Introduction to Music I
 PHILO 1452 Introduction to Philosophy

U.S. History and Government6
HIST 1063 U.S. History
POLSC 1103 American Government and Politics

International and Cultural Studies6-7
HIST 1033 World History
GEOG 1103 World Cultural Geography
 POLSC 1153 World Relations and Politics
 Foreign Language (4 hr/ includes 3 hr class & 2 hr lab)

Behavioral/Social Science3
PSYCH 1003 General Psychology
 SOCIO 1003 Introduction to Sociology

REQUIREMENT COURSES26-27
 MATH 1513 College Algebra **AND** MATH 1613 College Trigonometry
OR MATH 1715 College Algebra & Trigonometry
 MATH 1834 Calculus I
 MATH 2834 Calculus II
 MATH 3653 Linear Algebra
 MATH 3713 College Geometry
 MATH 3834 Calculus III
 MATH 4653 Modern Algebra

Electives in Math6
 (3000-4000 level courses, MATH 3673 Elementary Number Theory is recommended.)
MATH 4933 may NOT count as MATH elective.

Computer Application/Computer Science3
 (Any scientific programming language **OR** MATH 3533 Tech and Programming in Mathematics)

Statistics3
 MATH 3413 Statistical Methods I
OR MATH 3433 Statistics I

Professional Education Requirements36
 Certificate/Foundations Courses
 EDUC 2113 Foundations of Education
 SPCED 3132 Exceptional Children
 EDPSY 3433 Adolescent Psychology

Foreign Language Proficiency (Required)

Pre-Professional Semester
 LIBED 3423 Media & Technology
 EDPSY 3653 Educational Psychology (Sec)
 SECED 4813 Educational Tests & Meas (Sec)
 SECED 4823 Principles of Teaching Secondary
 MATH 4933 Teaching Secondary Math

Professional Semester
 EDUC 3321 Multicultural/Special Populations
 EDUC 4021 Critical Issues in Education
 EDUC 4041 Classroom Management
 SECED 4865 Student Teaching in the Sec School
 SECED 4965 Student Teaching in the Sec School

Electives to bring total to124

REGULATIONS PERTAINING TO GRADUATION
 Minimum credit hours for graduation124
 Minimum credit hours in the liberal arts & sciences80
 Minimum credit hours (3000/4000 courses) in major completed at SWOSU8
 Minimum credit hours at SWOSU (including last 8)30
 Minimum Grade Point Average in all coursework 2.50

MATHEMATICS EDUCATION (CODE 716)

Suggested Course Sequence

FIRST YEAR		SECOND YEAR	
FIRST SEMESTER	SECOND SEMESTER	FIRST SEMESTER	SECOND SEMESTER
1001 Freshman Orient ¹1	1213 English Comp II.....3	2834 Calculus II..... 4	3834 Calculus III.....4
1113 English Comp I.....3	1834 Calculus I4	Required Math** 3	3653 Linear Algebra3
1513 College Algebra.....3	Gen Educ Crses10	2113 Found in Education . 3	Gen Educ Crses9
1613 College Trigonometry or 1715 Col Alg/ Trig* 3-5		Gen Educ Crses..... 7	
Gen Educ Crses.....6		English Proficiency Exam ²	
Total:..... 16-18	Total: 17	Total:..... 17	Total:16

THIRD YEAR		FOURTH YEAR	
FIRST SEMESTER	SECOND SEMESTER	FIRST SEMESTER	SECOND SEMESTER
4653 Modern Algebra3	2112 Exceptional Child ...2	Pre-Professional Semester	Professional Semester
Computer Prog***3	3433 Adolescent Psych....3	3423 Media & Tech..... 3	3321 Multi-Cultrl/Spec Pop....1
Math Elective3	3713 College Geometry...3	3653 Educ Psychology 3	4021 Critical Issues in Ed1
(3000-4000 level)	Math Elective.....3	4813 Educ Tests & Meas ... 3	4041 Classroom Mgmt1
Gen Educ Crses.....8	(3000-4000 level)	4823 Princ of Tech Sec..... 3	4865 Student Teach Sec5
	Gen Educ Crses 4	4933 Teach Sec Math 3	4865 Student Teach Sec5
Total:.....17	Total: 15	Total:..... 15	Total:13

*If a student enrolls in MATH 1715 during the first semester, then 1 hour free elective will be required.

**MATH 3413 Statistical Methods I or Math 3433 Statistics I

***Any scientific programming language OR MATH 3533 Technology and Programming in Mathematics

¹First-time entering freshmen should take 1001 Freshman Orientation

² If applicable. See English Proficiency Program under the General Academic Information Section.