

BACHELOR OF SCIENCE: Proposed Curriculum 2012/2013
MAJOR: MATHEMATICS

FRESHMAN YEAR		F	S
MATH 241, 242	Calculus I, II	3	3
PE OPT	2-100 Level Courses	1	1
or			
HE 101	Health	3	
ENG 104, 105	Composition	3	3
¹ SCI OPT	Science Option		3/4
HIST 101, 102	History of Civilization	3	3
² UNIV 100	University Success	2	
³ FORN LNG	Foreign Lang Option	3	3
Totals		15-17	15-17

SOPHOMORE YEAR

MATH 243, 244	Calculus III, IV	3	3
MATH 303W	Set Theory & Logic		3
ENG 205	World Literature I	3	
or			
ENG 206	Literature of Science	3	
ART 206	Art Appreciation		3
or			
MUS 205	Music Appreciation		3
² SS OPT	Social Science Option	3	
¹ SCI OPT	Science Options w Labs	4	5
CSC 118	Programming Fund		3
CSCL 118	Programming Fund Lab		1
Totals		13	18

JUNIOR YEAR

MATH 355	Prob. & Statistics		3
MATH 331	Lin. Alg. & Matrix Thry.	3	
MATH 368	Ordinary Differential Eqs.	3	
MATH 321W	Modern Geometry		3
SPCH 201	Speech Arts	3	
ELEC	General Elective	3	3
⁴ MATH ELEC	Mathematics Elective		3
¹ SCI OPT	Science Option	3/4	
Totals		15-16	12

SENIOR YEAR

MATH 311W	Abstract Algebra I	3	
MATH 351	Advanced Calculus	3	
MATH 403S	Mathematics Seminar		3
MATH 451	General Topology		3
PHIL 301	Intro. to Philosophy		3
or			
PHIL 416	Logic		3
ELEC	General Elective	3	6
⁴ MATH ELEC	Mathematics Elective	3	
¹ SCI OPT	Science Option	4/5	
Totals		16-17	15

TOTAL HOURS: 120-124

APPROVED: Office of Academic Affairs

DATE: M. Sullivan 6/4/19

BACHELOR OF SCIENCE IN EDUCATION: Revised Curriculum
MAJOR: MATHEMATICS EDUCATION

FRESHMAN YEAR		F	S
MATH 241, 242	Calculus I, II	3	3
HE 102	Health for Teachers		3
ENG 104, 105	Composition	3	3
BIO 101	Introduction to Biology	2	
BIOL 101	Intro to Biology Lab	1	
HIST 101, 102	History of Civilization	3	3
¹ UNIV 100	University Success	2	
ART 206	Art Appreciation		3
or			
MUS 205	Music Appreciation		3
² FR 101, 102	Elementary French	3	3
	Totals	17	18

SOPHOMORE YEAR			
MATH 243, 244	Calculus III, IV	3	3
MATH 303 W	Set Theory & Logic		3
PSY 201	General Psychology		3
ENG 205	World Literature	3	
ENG 206	Literature of Science		3
EDCI 100	Intro to Education	3	
SS 203	Historical & Cultural Foundations of Educ.		3
SPCH 201	Speech Arts	3	
CSC 117	FORTRAN		3
	Totals	12	18

JUNIOR YEAR			
MATH 368	Differential Equations	3	
MATH 331	Lin. Alg & Matrix Thry		3
MATH 399 ⁵	Prob Solv for Teachers	0	
MATH 311 W	Abstract Algebra	3	
MATH 321 W	Modern Geometry		3
MATH 355	Prob & Statistics	3	
MATH 493 W	History of Mathematics		3
ETEC 367	Measurement & Eval		3
COUN 315	Hum. Grth & Develop	3	
PHY 201	Basic Physic I	3	
and			
PHYL 201	Basic Physics Lab I	1	
or			
PHY 211	Gen Physics I	4	
and			
PHYL 211	Gen Physics Lab I	1	
	Totals	16-17	12

SENIOR YEAR			
MATH 402 W	Math in the Secnd Schls	3	
MATH 403 S	Mathematics Seminar	3	
RE 455	Diagnostic Reading Instrn in Secnd Schl	3	
EDCI 401	Research Theory & Clinical Practice	3	
SS 301	Law & Social Systems	3	
EDCI 402	Clinical Internship in Student Teaching		12
PHIL 301	Intro to Philosophy	3	
or			
PHIL 416	Logic	3	
	Totals	18	12

TOTAL HOURS: 123-124

APPROVED: Office of Academic Affairs

DATE: 10/10/12 JCC

NOTES:

¹ Students who transfer 12 or more hours of college credit are exempt from this course but must meet the minimum degree requirements.

² Students who have completed two years of a foreign language in high school with a "C" or above are exempt from the foreign language requirement but must take six additional semester hours of coursework. See list of Foreign Language Options.

³ Students must complete this required elective before enrolling in MATH 402.

Foreign Language Options:

FR 101 & 102	Elementary French
GR 101 & 102	Elementary German
SP 101 & 102	Elementary Spanish
LAT 101 & 102	Elementary Latin
POR 101 & 102	Elementary Portuguese
CHI 101 & 102	Mandarin Chinese