

MATHEMATICS EDUCATION

I. General Education Requirements

TOTAL REQUIRED FOR GENERAL EDUCATION REQUIREMENTS

Students should consult their assigned advisor when selecting any courses.

A. CURRICULUM AREA I - (ARTS AND HUMANITIES) 9 CREDITS

COURSE	No.	TITLE	CREDITS
ENGL	203	Fundamentals of Contemporary Speech	3
FREN	101	Fundamentals of French I and	3
FREN	102	Fundamentals of French II or	3
SPAN	101	Fundamentals of Spanish I and	3
SPAN	102	Fundamentals of Spanish II	3

B. CURRICULUM AREA II - (SOCIAL AND BEHAVIORAL SCIENCES) 6 CREDITS

Students must select one course in each of two disciplines:

SOCIAL SCIENCES: ECON 201 or ECON 102H, or ECON 202 or ECON 202H, GEOG 201 or GEOG 202, HIST 101 or HIST 111H, HIST 102 or HIST 112H, POLI 200 or POLI 200H, POLI 342, SOCI 101 or SOCI 111H

BEHAVIORAL SCIENCES: PSYC 200

C. CURRICULUM AREA III - (BIOLOGICAL AND PHYSICAL SCIENCES) 8 CREDITS

COURSE	No.	TITLE	CREDITS
PHYS	181H	Introductory Physics I (Honors)	3
PHYS	183H	Introductory Physics I Lab (Honors)	1
PHYS	182H	Introductory Physics II (Honors)	3
PHYS	184H	Introductory Physics II Lab (Honors)	1

D. CURRICULUM AREA IV - (MATHEMATICS) 4 CREDITS

COURSE	No.	TITLE	CREDITS
MATH	112	Calculus and Analytic Geometry I	4

E. CURRICULUM AREA V - (ENGLISH COMPOSITION) 9 CREDITS

COURSE	No.	TITLE	CREDITS
ENGL	101	Basic Composition I or	
ENGL	101H	Honors Basic Composition I	3
ENGL	102	Basic Composition II or	
ENGL	102H	Honors Basic Composition II	3
ENGL	305	Technical Writing or	
ENGL	310	Advanced Composition	3

F. CURRICULUM AREA VI - (EMERGING ISSUES) 4 CREDITS

COURSE	No.	TITLE	CREDITS
EXSC	111	Personal Health Fitness	3
GNST/EDCI	100	First Year Experience	1

II. PROGRAM CORE REQUIREMENTS 39 CREDITS

COURSE	No.	TITLE	CREDITS
MATH	211	Calculus and Analytic Geometry II	4
MATH	212	Calculus and Analytic Geometry III	4
MATH	232	Introduction to Linear Algebra	3
MATH	301	College Geometry	3
MATH	302	Number Theory	3
MATH	304	History of Math and Computer Science	3
MATH	309	Introduction to Probability	3

MATH	310	Mathematical Statistics I	3
MATH	321	Differential Equations	4
MATH	300	Foundations of Mathematics	3
MATH	342	Advanced Calculus	3
MATH	411	Modern Algebra	3

PROFESSIONAL EDUCATION REQUIREMENTS 43 CREDITS

<u>COURSE NO.</u>	<u>TITLE</u>	<u>CREDITS</u>
EDCI 200	Introduction to Contemporary Education	3
EDCI 201	PRAXIS Preparation (at least one credit)	1+
EDCI 311	Comprehensive Assessment in Education	3
EDCI 400	Senior Seminar in Education	3
EDCI 406	Classroom Management	3
EDCI 409	Teaching Reading in the Content Areas: Part I	3
EDCI 410	Teaching Reading in the Content Areas: Part II	3
EDCI 425C	Curriculum and Instruction in Mathematics	3
EDCI 480	Teaching Internship: Secondary Program (7-12): Middle School	6
EDCI 490	Teaching Internship: Secondary Program (7-12): Middle School	6
EDSP 428	Communication and Collaboration in Special Education	3
PSYC 305	Developmental Psychology	3
PSYC 307	Educational Psychology	3

III. SUPPORTIVE COURSE REQUIREMENTS 8 CREDITS

<u>COURSE NO.</u>	<u>TITLE</u>	<u>CREDIT</u>
CSDP 221	Introduction to Computing Programming Intensive	4
CSDP 222	Advanced Programming	4

"+" Does not count toward graduation

TOTAL PROGRAM REQUIREMENTS 130

Mathematics (Education)

FRESHMAN

<i>First Semester</i>	<i>Credit</i>	<i>Second Semester</i>	<i>Credit</i>
MATH 112	4	MATH 211	4
ENGL 101	3	ENGL 102	3
FREN 101 or		FREN 102 or	
SPAN 101	3	SPAN 102	3
GEN ED CURR AREA II ¹	3	CSDP 221	4
GNST (Education)	1	GEN ED CURR AREA II ¹	<u>3</u>
EXSC 111 ²	<u>3</u>		17
	17		

Sophomore Year

<i>First Semester</i>	<i>Credit</i>	<i>Second Semester</i>	<i>Credit</i>
MATH 212	4	MATH 232	3
ENGL 203	3	ENGL 305 or	
PHYS181H	3	ENGL 310	3
PHYS183H	1	CSDP 222	4
EDCI 200	3	PHYS182H	3
EDCI 201 ³	1	PHYS184H	1
MATH 300	<u>3</u>	PYSC 305	<u>3</u>
	18		17

Junior Year

<i>First Semester</i>	<i>Credit</i>	<i>Second Semester</i>	<i>Credit</i>
MATH 342	3	EDCI 406	3
MATH 321	4	EDCI 409	3
EDCI 311	3	MATH 302	3
MATH 309	3	MATH 411	3
PYSC 307	<u>3</u>	MATH 310	<u>3</u>
	16		15

Senior Year

<i>First Semester</i>	<i>Credit</i>	<i>Second Semester</i>	<i>Credit</i>
MATH 301	3	EDCI 400	3
MATH 304	3	EDCI 460	6
EDCI 410	3	EDCI 480	<u>6</u>
EDCI 425C	3		15
EDSP 428	<u>3</u>		
	15		

Total Credits Hours: 130

¹Student must select course from GEN ED CURR AREA II: A or B

²EXSC 111 cannot be repeated for credit.

³Course does not count toward graduation.

