Mathematics Education: Statistics Specialization (9-12)

intro to Education	Statistics Specialization(C or better required)
C or better required	(3) ST 311 Introduction to Statistics
(2) ED 100 (Fall Freshmen) OR	(3) ST 312 Introduction to Statistics II
(2) ED 150/151-SAY Village (Fall & Spring Freshmen)	(1) ST 307 Introduction to Stat Programming – SAS
(2/15 130/131 3A1 Village (1 all & 3p1 ling 11 c31 line li)	
	(3) ST 421 Intro Math Stat I
Introduction to Computing	(3) ST 422 Intro Math Stat II
(1) E 115 or COS 100	
	Natural Sciences
Programming Elective	(4) CH 101/102 and (4) CH 201/202
	or
(3) CSC 110, CSC 112, CSC 114, CSC 116, or MA 116	
C or better required – recommend MA 116	(4) BIO 181 and (4) BIO 183
	or
English and Communication	(4) PY 205/206 and (4) PY 208/209
(4) ENG 101 Academic Writing & Research C- or better required	or
(1) COM 112 Interpersonal Communication	(4) PY 211 and (4) PY 212
(3) CON 112 Interpersonal Communication	(4) F1 211 8110 (4) F1 212
Mathematical Sciences (C or better required)	(3) GEP Natural Science course
(4) MA 141 Calculus I	
(4) MA 241 Calculus II	*At most one grade below a C- is permitted in the courses satisfying the science
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Prerequisite: MA 141 with grade of C- or better	requirement.
(4) MA 242 Calculus III	
Prerequisite: MA 241 with grade of C- or better	GEP Courses
(3) MA 225 Foundations of Advanced Math	(3) Choose a course from the GEP Humanities list
Prerequisite: MA 241	(3) Choose a course from the GEP Humanities list
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(3) MA 405 Linear Algebra	(1) Any 100 level Health & Exercise Studies
Prerequisite: MA 241	(1) Any Health & Exercise Course
(3) MA 403 Introduction to Modern Algebra (FALL ONLY)	(3) Additional Breadth – Choose one GEP Humanities, Social
Prerequisite: MA 225	Sciences, or Visual Performing Arts course (Strongly Recommend ECI 305)
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(3) MA 408 Foundations of Euclidean Geometry Take Fall Senior Year	(2-3) Interdisc Perspectives
Prerequisite: MA 225	
(3) MA 351 Intro Discrete Math (complete in Junior year)	USD and GK may "double-count" for both co-req and another GEP Requirement
MA 341 is an approved sub. Prerequisite: MA 224, 225, 231 or 241	US Diversity Co-Requisite
	Global Knowledge Co-Requisite

*At most one grade below a C is permitted in the mathematics, statistics,	Foreign Language Proficiency
and computer science courses.	
C or better required in all co	urses below unless otherwise stated
	OMORE YEAR
Fall Semester	Spring Semester
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(2) EMS 204 Intro to Mathematics Education <i>B- or better required</i>	(3) EDP 304 Education Psychology
(2) ED 204 Intro to 21st Century Teaching	(3) ECI 305 Education and Equity
III	NIOR YEAR
Fall Semester	Spring Semester
(3) ELP 344 School and Society	(3) EMS 480 Teaching Mathematics with Technology (SPRING ONLY)
(2) ED 311 Classroom Assessment Prerequisite: ATC	Prerequisite: EMS 204 with a B- or better; MA 131 or 141
(1) ED 312 Classroom Assessment Lab Prerequisite: ATC	(3) EMS 472 Teaching Math Topics in High School
(1) EB 312 classiooni rissessinent Eab i reregaisite. Tire	(3) Livis 172 reacting that it ropies in riigh school
SE	NIOR YEAR
Fall Semester	Spring Semester Prior admission to Professional Semester required
(3) EMS 490 School Math from an Adv. Perspective	(10) EMS 471 Student Teaching (Spring Only)
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(3) EMS 470 Methods & Materials for Teaching Math	(2) EMS 495 Senior Seminar (Spring Only)
Co-requisite: EMS 472	
(3) ECI 416 Teaching Exceptional Students	
Take FMC 472 8 480 before the competer in wh	ich von take FMC 470 8 400 (Drefessional Competer 1)
Take Livis 472 & 480 before the semester in wh	ich you take EMS 470 & 490. (Professional Semester 1)
ompleted out of 4.5	
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ROFESSIONAL GROWTH UNITS (PGU's): must earn 4.5 PGU's by graduation. F	Register for sessions and track PGU's in SAGE → "Professional Development" tab
ROFESSIONAL GROWTH UNITS (PGU's): must earn 4.5 PGU's by graduation. F	
ROFESSIONAL GROWTH UNITS (PGU's): must earn 4.5 PGU's by graduation. F	
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