Mathematics Education: Computer Science Specialization (9-12)

Intro to Education (C or better required)	Natural Sciences
(2) ED 100 (Fall Freshmen) OR	(4) CH 101/102 and (4) CH 201/202
(2) ED 150/151-SAY Village (Fall & Spring Freshmen)	OR
	(4) BIO 181 and (4) BIO 183
English and Communication	OR
(4) ENG 101 Academic Writing & Research	(4) PY 205/206 and (4) PY 208/209
C- or better required	OR
(3) COM 112 Interpersonal Communication	(4) PY 211 and (4) PY 212
Mathematical Sciences (C or better required)	(3)GEP Natural Science course
(4) MA 141 Calculus I	
(4) MA 241 Calculus II	GEP Courses
Prerequisite: MA 141 with grade of C- or better	(3) Choose a course from the GEP Humanities list
(4) MA 242 Calculus III	(3) Choose a course from the GEP Humanities list
Prerequisite: MA 241 with grade of C- or better	(1) Any 100 level Health & Exercise Studies
(3) MA 405 Linear Algebra Prerequisite: MA 241	(1) Any HE Course (3) Additional Breadth – Choose one GEP Humanities, Social
(3) MA 403 Introduction to Modern Algebra (FALL ONLY)	Sciences, or Visual Performing Arts course (Strongly Recommend ECI 305)
Prerequisite: CSC 226	(2-3) Interdisc Perspectives (ECI 305 Equity and Education*USD)
(3) MA 408 Foundations of Euclidean Geometry Take Fall Senior Year Prerequisite: CSC 226	(2 3) Intervise recispectives (2er 303 2quity and 2ducation 035)
(3) ST 311 Introduction to Statistics	USD and GK may "double-count" for both co-req and another GEP Requirement
(3) ST 312 Introduction to Statistics II	US Diversity Co-Requisite
(1) ST 307 Introduction to Stat Programming - SAS	Global Knowledge Co-Requisite
	Foreign Language Proficiency
Computer Science Specialization (C or better required)	en elador
(1) E 115 Computing Environment (3) CSC 110 Computer Science Principles (first CSC course)	Free Electives
(3) CSC 110 Computer Science Principles (first CSC course)	(1) Free Elective
(4) CSC 216 Programming Concepts Java and	(1) Tee Liective
CSC 217 Software Development Fundamentals Lab	
(3) CSC 226 Discrete Math CSC	
(3) CSC 316 Data Structures for Computer Scientists	
Carlotter and Station Harris	and the state of the state of
	es below unless otherwise stated IORE YEAR
	Spring Semester
	(3) ECI 305 Education and Equity
B- or better required	
(2) ED 204 Intro to 21st Century Teaching	
JUNIO	OR YEAR
	Spring Semester
	(3) EMS 480 Teaching Mathematics with Technology (Spring only)
(3) EDP 304 Education Psychology	Prerequisite: EMS 204 with a B- or better; MA 131 or 141
(2) ED 311 Classroom Assessment Prerequisite: ATC	(3) ECI 416 Teaching Exceptional Students
(1) ED 312 Classroom Assessment Lab Prerequisite: ATC	(3) EMS 472 Teaching Math Topics in High School
SFNIO	DR YEAR
	Spring Semester Prior admission to Professional Semester required
(3) EMS 490 School Math from an Adv. Perspective	(10) EMS 471 Student Teaching (Spring Only)
(3) EMS 470 Methods & Materials for Teaching Math	(2) EMS 495 Senior Seminar (Spring Only)
Take EMS 472 & 480 before the semester in which you take EMS 4	I70 & 490 (Professional Semester 1)
At most one grade below a C- is permitted in the courses satisfying	
At most one grade below a C is permitted in the mathematics, star	
Completed out of 4.5	
•	Register for sessions and track PGU's in SAGE → "Professional Development" tab
GU events and details can be found at: https://ced.ncsu.edu/academics/pro	fessional-education/professional-development/
ATC REQUIREMENTS (Admission to Teacher Candidacy):ENG 101	
Must have met ATC in order to register for ED 311/312. View your progress in	n SAGE → "Gateways" tab