

Recommended Course of Study

Secondary Teacher Certification Program

Mathematics Education

2016 - 2017

(Traditional Undergraduate)

	FALL SEMESTER	SPRING SEMESTER
FRESHMAN	COSK1220 Reading and Writing Strategies OR COSK2221 Intercultural Communications HUMA1010 Humanities: Art and Music ECON1010 Survey of Economics MATH2070 Calculus w/Analytic Geometry I FYSP 1000 First Year Experience Open Elective 16 Credits Obtain three required clearances	COSK1221 Argument and Research INFS1050 Fundamentals of Information Systems OR INFS3220 Systems Analysis and Design OR INFS2470 Decision Support Systems OR EDUC2200 Technology for Teachers HIST1100 US History I or HIST1200 US History II MATH2170 Calculus w/Analytic Geometry II EDUC2100 Educational Psychology 16 credits Take and Pass PAPA Exam
SOPHOMORE	COSK2220 Public Speaking and Persuasion MATH3090 Calculus w/Analytic Geometry III MATH4000 Discrete Math EDUC2000 Schools and Society Natural Science Elective & Lab <i>(BIOL2370/2380, CHEM1210/1215, PHYS1210/1215 or SCIE1570/1580)</i> 17 credits (science lab is 1 credit) Apply for Candidacy Status	COSK2230 Professional Communications INFS2110 Programming Logic OR INFS3150 Intro to Web Development OR INFS3430 Intro to Multimedia STAT2110 Statistics MATH3400 Linear Algebra with Applications EDUC3600 Educational Assessment Open Elective 18 credits
JUNIOR	ELIT1040 Reading Literature: Coming of Age PSYC1010 General Psychology INFS2120 Visual Basic Programming OR INFS3184 C++ Programming STAT3140 Mathematical Statistics I SPED3010 Intro To Sp. Ed. PreK-12 EDUC3400 Curriculum Instructional Design 18 credits	MATH3250 Practicum Teaching Math w/Technology MATH3200 Geometry MATH4050 Abstract Algebra/Number Theory SPED3020 Teaching in Inclusive PreK-12 Class EDUC3600 Educational Assessment Approved Elective from ACI, ENGR, MATH, MGMT, or Stat 18 credits Apply for Pre-Student Teaching
SENIOR	SOCI1010 Principles of Sociology OR SOCI2320 Contemporary Amer. Social Problems EDUC3165 Teaching English Language EDUC4120 Content Specific Pedagogy: MATH <i>(with Co-requisite EDUC0420 - 0 credits)</i> Approved Elective: ACI, ENGR, MATH, MGMT, or STAT Open Elective Elective Recommended 15 Credits Take and Pass Praxis II Exam Apply for Student Teaching	EDUC4200 Student Teaching Seminar (3 credits) EDUC4520 Student Teaching Internship: MATH (9 credits) 12 Credits Apply for Graduation Apply for PDE Certification

127 Total Credits
Draft Updated 8/2016