

Middle Level Education Program
(Certification Grades 4–8)
Recommended Course of Study – Math*
2016 - 2017

	FALL SEMESTER	SPRING SEMESTER
FRESHMAN	COSK 1220 Communication Skills I or COSK 2221 Intercultural Comm. PSYC 1010 General Psychology HIST 1100 U.S. History I or HIST 1200 U.S. History II GEOG 1020 World Geography MATH1020 Pre-Calculus (may test out) MLED2000 Middle level Education 18 credits Take PAPA Exam Obtain three required clearances	COSK 1221 Communication Skills II PSYC 3530 Adolescent Psychology SCIE (ENVS, BIOL, GEOL, PHYS, SCIE) <u>*MATH2070 Calculus w Geometry (4 cr.)</u> EDUC2100 Ed Psych & Class Mgmt. 16 credits
SOPHOMORE	COSK 2220 Communication Skills III EDUC2200 Technology for Teachers SOCI 1010 Principles of Sociology or SOCI 1020 Cont. Amer. Soc. Problems SCIE 1020 Fund. Science Concepts or ENVS 1160 Environmental Science <u>*MATH4000 Discrete Math OR</u> <u>MATH3030 Operations Research OR</u> <u>MATH2170 Cal w Analytic Geo II (4 cr.)</u> POLS 1020 American Nat'l Gov't 18 credits Apply for Candidacy Status	COSK 2230 Communication Skills IV ELIT 1070 Children's Literature ECON 1010 Survey of Economies HUMA 1010 Humanities: Art/Music SPED3010 Teaching Students w/Special Needs <u>*MATH2010 Fundamentals Concepts of Math</u> 18 credits
JUNIOR	EDUC 3400 Curriculum Instruction Design PreK-12 SPED3020 Teaching in Inclusive PreK-12 Class ENVS2500 Ecology Fund. ENVS2550 Ecology Lab (1 cr.) EDUC3165 Teaching English Language Learners <u>*MATH3400 Linear Algebra w Applications</u> 18 credits	<u>EDUC3600 Educational Assessment</u> <u>*MATH3250 Practicum Teach Math w Tech</u> MLED 4020 Reading/LA Methods <u>*MATH3200 Geometry</u> MATH1050 Math Reasoning w Application MLED 0101 Praxis II Prep (0 credits) 15 credits Take Praxis II Apply for Pre-Student Teaching
SENIOR	MLED 4000 Social Studies Methods MLED 4010 Math/Science Methods MLED 4060 Field Experience STAT 2110 Statistics <u>*MATH3140 Mathematical Stats OR</u> <u>MATH 4000 Discrete Math OR</u> <u>MATH 2170 Calculus w Analytic Geo II</u> Retake MLED 0101 Praxis II Prep (0 credits), if needed 15 credits Re-take Praxis II if not passed Apply for Student Teaching	MLED 4200 Supervised Teaching (9 credits) MLED4210 Student Teaching Seminar (3 credits) 12 credits Apply for Graduation Apply for PA Certification

***Math Specialization – 19-20 Credits**

MATH2070 Calculus w Analytic Geometry I
 MATH3200 Geometry
 MATH3250 Practicum Teaching Math w Technology
 MATH3400 Linear Algebra w Applications

CHOOSE Two from Following:

MATH2170 Calculus w Analytic Geometry II
 MATH3030 Operations Research
 MATH4000 Discrete Math