

Interdisciplinary Studies: Middle Education (Grades 6-8)—Math Concentration (2023-24)

Student Name _____ ID _____

REAL Curriculum Requirements

REAL Foundations

MATH 121 (GE); MATH 125 (GE) _____ (3)
 *Math concentrators must take MATH 125
 *Science concentrators are encouraged to take MATH 125
 ENGL 111 (GE) _____ (3)

REAL Cornerstones & General Education

Writing Intensive (WI): Met by EDUC 403 and EDUC 457
 General Education (30 cr.): satisfied by required coursework

Fulfilling R,E,A & L Area Requirements for Each Concentration

English Concentration
 Expression, Analysis, and Learning areas satisfied by major requirements
 Satisfy the Reasoning area (15+ cr.) by completing:
 REAL Studies Minor in R
 • MATH 212 (3)
 • PHSC 350 (4)
 • _____ ()
 • _____ ()
 • _____ ()
OR
 A minor designated as R

Math Concentration
 Reasoning, Analysis, and Learning areas satisfied by major requirements
 Satisfy the Expression area (15+ cr.) by completing:
 REAL Studies Minor in E
 • _____ ()
 • _____ ()
 • _____ ()
 • _____ ()
 • _____ ()
OR
 A minor designated as E
OR
 Transfer of 15 or more cr and completion of 3cr GE/E course

Science Concentration
 Reasoning, Analysis, and Learning areas satisfied by major requirements
 Satisfy the Expression area (15+ cr.) by completing:
 REAL Studies Minor in E
 • _____ ()
 • _____ ()
 • _____ ()
 • _____ ()
 • _____ ()
OR
 A minor designated as E

Social Studies Concentration
 Expression, Analysis, and Learning areas satisfied by major requirements
 Satisfy the Reasoning area (15+ cr.) by completing:
 REAL Studies Minor in R
 • MATH 212 (3)
 • PHSC 350 (4)
 • _____ ()
 • _____ ()
 • _____ ()
OR
 A minor designated as R

IN-MAJOR REQUIREMENTS - 55 Semester Hours – Students must maintain a 2.5 or higher GPA to be admitted into and retained in the Teacher Education Program, field work and graduation

Interdisciplinary Core (16 cr.)

COMS 114 _____(3) (L/GE)
 EDUC 200 _____(3) (L/GE)
 EDEF 300 _____(3) (A/GE)
 MATH 312 _____(3) (R)
 PHSC 350 _____(4) (R/GE)

Pre-Professional Concentration (18 cr.)

EDEF 320 _____(3) (A)
 EDET 445 or EDET 454 _____(3) (L)
 EDME 409 _____(3) (Fall Only)
 EDME 410 _____(3) (Spring Only)
 EDSP 361 _____(3) (A/GE)
 EDUC 370 _____(3) (L/GE)

Electives (21 cr.)

_____ ()
 _____ ()
 _____ ()
 _____ ()

Content Area Concentration (choose 1 or 2) Students must complete at least one concentration in order to meet degree and teacher licensure requirements. Students interested in pursuing teacher licensure in more than one area may complete a 2nd concentration.

ENGLISH (21 cr.)
 ENGL 112 (E/GE/WI) _____(3)
 ENGL 202 (E/GE) _____(3)
 ENGL 203 (E/GE) _____(3)
 ENGL 402 (E) _____(3)
 ENGL 425 (E) _____(3)
 ENGL 463 _____(3)
 ENGL 300 (A/WI) _____(3)

MATH (18 cr.)
 MATH 138 or 168 (R/GE) _____(3)
 MATH 171 or 169 (R/GE) _____(3)
 MATH 235 _____(3)
 MATH 321 _____(3)
 STAT 200 (R/GE) _____(3)
 _____ ()
 *MATH 142 & 260 recommended
 electives (req for Algebra I endorsement)

SCIENCE (20 cr.)
 ASTR 111 (R/GE) _____(4)
 BIOL 131 (R/GE) _____(4)
 CHEM 111 (R/GE) _____(4)
 GEOL 105 (R/GE) _____(4)
 _____ (4)
 *PHYS 111, BIOL 132, GEOL 365,
 PHSC/PHYS 301 recommended
 ** PHYS 111, GEOL 365 & PHYS
 301 req for Earth Science

SOCIAL STUDIES (24 cr.)
 ECON 105 (A/GE) _____(3)
 GEOG 101 (A/GE) _____(3)
 HIST 101 (E/GE) _____(3)
 HIST 102 (E/GE) _____(3)
 HIST 111 (A/GE) _____(3)
 HIST 112 (A/GE) _____(3)
 POSC 120 (A/GE) _____(3)
 HIST course (300 level with E designation) _____(3)

Professional Education: Students must maintain a 2.5 or higher GPA to be admitted into and retained in the Teacher Education Program, to enroll in early field experience, student teach, and graduate. Additionally, all IDSJ majors must obtain passing scores on Praxis II: Middle School (Concentration Subject) and the VCLA.

4 th Year	
Early Field Experience (12 cr.) (Fall Only)	Student Teaching (15 cr.) (Spring Only)
EDUC 447 _____(3)	EDUC 467 _____(12)
EDUC 457 (WI) _____(3)	EDUC 403 (WI) _____(3)
EDUC 462 _____(3)	
EDRD 416 _____(3)	

Total hours for BS in IDSJ = 121 semester hours. Praxis II _____; VCLA _____; 50 clock hours _____

Interdisciplinary Studies-Middle Education (Grades 6-8)**MATH CONCENTRATION**

Students must complete a REAL Studies minor in **Expression (E)** or complete a minor designated as **E**.

Sample schedule includes a REAL Studies minor in **Expression**.

Students should consult with their academic advisor to develop a schedule reflective of their unique goals.

Freshman Year			
Fall Semester	Credits	Spring Semester	Credits
UNIV 100: Introduction to Higher Education (<i>Recommended</i>)	1	EDUC 200: Exploring Education	3
COMS 114: Public Speaking	3	MATH 312: Elementary and Middle Grades Mathematics for Social Analysis	3
MATH 125: Precalculus I	3	MATH 138: Precalculus II OR MATH 168: Calculus I with Integrated Precalculus I	3
ENGL 111: Principles of College Composition	3	REAL Expression course	3
REAL Expression course	3	Elective	3
Elective	3		
	15- 16	Take VCLA	15

Sophomore Year			
Fall Semester	Credits	Spring Semester	Credits
EDEF 300: Human Development & Learning: Birth- Adolescence	3	EDEF 320: Introduction to Professional Education	3
PHSC 350: Physical Science	4	**MATH 142: Discrete Mathematics^ (or other math elec.)	3
STAT 200: Introduction to Statistics	3	MATH 260: Introductory Linear Algebra^ (or other elec.)	3
REAL Expression course	3	Elective	3
MATH 169: Calculus I with Integrated Precalculus II OR MATH 171: Calculus & Analytic Geometry I	3	Elective	3
	16	^MATH 142 & 260 are recommended electives and are required for the Algebra I endorsement	15

Junior Year			
Fall Semester	Credits	Spring Semester	Credits
EDSP 361: Introduction to Students with Diverse Learning Needs and the Special Education Process	3	EDUC 370: Intro to Multicultural Education	3
*EDME 409: Teaching Young Adolescent Learners	3	**EDME 410: Philosophical Foundations of Middle Ed.	3
*MATH 235: Fundamentals of Geometry	3	**MATH 321: History of Mathematics	3
REAL Expression course	3	REAL Expression course (300 or 400 level course)	3
Elective	3	Elective	3
Take Praxis II: Middle School Mathematics	15	Apply to Teacher Education Program	15

Senior Year			
Fall Semester (Early Field/Blocking)	Credits	Spring Semester (Student Teaching)	Credits
*EDUC 457: Methods for Mathematics Instruction Grades 6-12	3	**EDUC 467: Student Teaching in Mathematics Grades 6-12	12
*EDRD 416: Content and Disciplinary Literacy Instruction	3	**EDUC 403: Assessment of Student Learning Grades 6 - 12	3
*EDUC 462: Classroom Management for Grades 6 - 12	3		
*EDUC 447: Early Field Experiences in Teaching Mathematics Grades 6 - 12	3		
EDET 445: Integration of Educational Technology OR EDET 454: Educational Technology for Diverse Populations	3		
	15		15

121 credit hours required for graduation. In conjunction with or in addition to completing the **E** requirements, students are encouraged to consider the following options for rounding out their program: *Add an additional content concentration; a specialization in autism studies; a minor in special education, psychology, or peace studies.*

*Fall only course **Spring only course