

**Interdisciplinary Studies: Middle Education (Grades 6-8)—Math Concentration (2022-23)**

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 456 or 457 or 458 or 459  
 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 212 \_\_\_\_\_(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)  
 EDME 410 \_\_\_\_\_(3)  
 EDSP 404 or 361 \_\_\_\_\_(3) (361=GE, both=A)  
 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 2<sup>nd</sup> 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 <sup>th</sup> Year	
Early Field Experience (12 cr.) (Fall Only)	Student Teaching (15 cr.) (Spring Only)
EDUC 446 or 447 or 448 or 449 _____(3)	EDUC 466 or 467 or 468 or 469 _____(12)
EDUC 456 or 457 or 458 or 459 (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 212: Elementary & Middle Grades Mathematics	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		
	<b>15- 16</b>	<b>Take VCLA</b>	<b>15</b>

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
	<b>16</b>	<i>*MATH 142 &amp; 260 are recommended electives and are required for the Algebra I endorsement</i>	<b>15</b>

Junior Year			
Fall Semester	Credits	Spring Semester	Credits
EDSP 404: Introduction to Special Education Grades 6 – 12 OR 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
<b>Take Praxis II: Middle School Mathematics</b>	<b>15</b>	<b>Apply to Teacher Education Program</b>	<b>15</b>

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		
	<b>15</b>		<b>15</b>

**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.*