

**Interdisciplinary Studies: Middle Education (Grades 6-8)--Science 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 458

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

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

OR

Transfer of 15 or more cr and completion of 3cr GE/E course

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 (19 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)
  - \_\_\_\_\_ (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 IDSM 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 448 _____(3)	EDUC 468 _____(12)
EDUC 458 (WI) _____(3)	EDUC 403 (WI) _____(3)
EDUC 462 _____(3)	
EDRD 416 _____(3)	

Total hours for BS in IDSM = 121 semester hours. Praxis II \_\_\_\_\_ ; VCLA \_\_\_\_\_ ; 50 clock hours \_\_\_\_\_

## Interdisciplinary Studies-Middle Education (Grades 6-8)

### SCIENCE 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
ENGL 111: Principles of College Composition	3	MATH 312: Elementary and Middle Grades Mathematics for Social Analysis	3
MATH 125: Precalculus I	3	GEOL 105: Exploring Earth	4
ASTR 111: General Astronomy I	4	COMS 114: Public Speaking	3
REAL Expression course	3	REAL Expression course	3
	<b>14</b>	<b>Take VCLA</b>	<b>16</b>

Sophomore Year			
Fall Semester	Credits	Spring Semester	Credits
EDEF 300: Human Development & Learning: Birth-Adolescence	3	EDEF 320: Introduction to Professional Education	3
BIOL 131: Ecology & Adaptation	4	BIOL 132: Biology of Cells & Microorganisms <i>(Recommended)</i> (or other elective)	3 - 4
REAL Expression course	3	PHYS 111: General Physics I ^ (or other elective)	3 - 4
Elective	3	REAL Expression course	3
Elective	3	Elective	3
	<b>16</b>	<i>^PHYS 111 required for students seeking an Earth Science endorsement and recommended for other areas.</i>	<b>15 - 17</b>

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 Level Ed.	3
CHEM 111: General Chemistry I	4	PHSC 350: Physical Science	4
GEOL 365: Earth's Oceans and Climate Systems^ (or other elective)	3 - 4	PHYS 301: Atmospheric Physics^ (or other elective)	3 - 4
REAL Expression course (300 or 400 level course)	3	Elective	3
<i>^GEOL 365 required for students seeking an Earth Science endorsement and recommended for other areas.</i> <b>Take Praxis II: Middle School Science</b>	<b>16 - 17</b>	<i>^PHYS 301 required for students seeking an Earth Science endorsement and recommended for all other areas.</i> <b>Apply to Teacher Education Program</b>	<b>16-17</b>

Senior Year			
Fall Semester (Early Field/Blocking)	Credits	Spring Semester (Student Teaching)	Credits
*EDUC 458: Methods for Science Instruction Grades 6-12	3	**EDUC 468: Student Teaching in Science 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 448: Early Field Experiences in Teaching Science 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.*

\*Fall only course      \*\*Spring only course