PROGRAM ADMISSION REQUIREMENTS

Application to the Science education program requires satisfactory completion of the requirements listed below.

( ) **Pre-Professional Skills Requirement:** passing scores on one of the following:

( ) Praxis I

<table>
<thead>
<tr>
<th>Test</th>
<th>Score</th>
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<tbody>
<tr>
<td>Reading</td>
<td>(175)</td>
</tr>
<tr>
<td>Writing</td>
<td>(174)</td>
</tr>
<tr>
<td>Math</td>
<td>(173)</td>
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https://www.ets.org/praxis/about/

( ) CORE

<table>
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<tr>
<th>Test</th>
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<tr>
<td>Reading</td>
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<tr>
<td>Writing</td>
<td>(162)</td>
</tr>
<tr>
<td>Math</td>
<td>(150)</td>
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https://www.ets.org/praxis/about/core/

( ) ACT (within 5 years of admission term to academic program)

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<td>Composite</td>
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<tr>
<td>Reading</td>
<td>(20)</td>
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<tr>
<td>English</td>
<td>(20)</td>
</tr>
<tr>
<td>Math</td>
<td>(20)</td>
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http://www.actstudent.org/

( ) SAT (within 5 years of admission term to academic program)

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<td>Verbal</td>
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<td>Math</td>
<td>(450)</td>
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</table>

http://sat.collegeboard.org/home

( ) English Composition: Achieve a placement level of 4 or higher on the English Placement Test, or complete ENGLISH 102 or an equivalent with a grade of C or better.

( ) Mathematics Skills: Achieve a placement level of 30 or higher on the Math Placement Test, or complete MATH 105, 103, 175 or an equivalent with a grade of C or better. **(Note:** MATH 105 and 103 recommended as they also meet core curriculum requirements.)

( ) Completion of CURRINS 328: Introduction to Teaching Science in Middle and High School with a grade of C or better.

( ) Completion of COMMUN 103 with a C or better.

( ) A 2.5 minimum cumulative GPA in all UWM and transfer courses at the time of admission application.

( ) A 2.75 cumulative GPA in all science courses used towards certification.

( ) A minimum of 58 credits (UWM and transfer credits) at the time of admission application. It is not required to have all the Core Curriculum courses completed at the time of application.

( ) Meeting with faculty advisor to review admission application. Faculty signature required on application.

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*** GRE (150) on Verbal Reasoning and (145) on Quantitative Reasoning. Scores within 5 years of admission term to academic program are accepted when available.***
GENERAL EDUCATION REQUIREMENTS

Completion of the course work in this section will meet the general education requirements (GER) of the University. A complete list of GER courses may be found online at:

http://www4.uwm.edu/academics/ger-courses.cfm

The Arts – At least three credits of the nine credits required must be in an approved GER-A course. Choose from Art, Dance, Film, Music, or Theater.

NO ART HISTORY OR FILM STUDIES

( ) 3 Elective (GER-A) ________________________________
( ) 3 Elective ________________________________
( ) 3 Elective ________________________________

The Humanities – At least six credits of the nine credits required must be in two approved GER-H courses. For complete list of literature electives (GER-H):


( ) 3 ENGLISH 201
( ) 3 COMMUN 103 (GER-H)
( ) 3 Literature Elective (GER-H) ________________________________

The Natural Sciences (including mathematics) – At least six credits must be in two approved GER-NS courses. One course must include a lab. These requirements will be met in the science content areas.

( X) 3 Science content course (GER-NS)
( X) 3 Science content course (GER-NSL)

The Social Sciences

( ) 3 Select one of the following:
( ) HIST 151 American History, 1607-1877 (GER-S)
( ) HIST 152 American History, 1877-present (GER-S)

( ) 3 Select one of the following:
( ) POL SCI 104 Intro to American Government and Politics (GER-S)
( ) POL SCI 105 State Politics (GER-S)

Cultural Diversity - (3 credits) May be met with any course listed with an ampersand in the GER course listing. Note that ANTHRO 213, ENGLISH 276, AIS 203 or HIST 263 meets the cultural diversity requirement in addition to the non-western history/contemporary culture and ACT 31 requirements.

( ) 3 Cultural Diversity Elective ________________________________

CORE CURRICULUM REQUIREMENTS

Foreign Language - See your advisor if English is not your first language.

( ) 2 consecutive semesters of college instruction in a single foreign language (at least six credits)
( ) 2 consecutive years of high school instruction in a single foreign language
( ) Language proficiency on approved exam
( ) Not required (first semester as a freshman was prior to September 1999)

PI 34 STATUTORY REQUIREMENTS

ACT 31 - A component of the Human Relations Requirement for Teacher Certification met by completing one of the following courses or a one-day seminar.

( ) 3 ANTHRO 213 American Indian Peoples of Wisconsin
( ) 3 ENGLISH 276 Introduction to American Indian Literature:
( ) 3 HIST 226 Western Great Lakes American Indian
( ) 3 AIS 203 Community Life of the Past
( ) 3 HIST 263 North American Indian History Since 1887

Non-Western History or Contemporary Culture

( ) 3 Non-Western History or Contemporary Culture ________________________________
(African, Latin American, Asian, Native American etc.)

Suggested: ANTHRO 213, ENGLISH 276, AIS 203 or HIST 263

Conservation of Natural Resources – Three credits required. Select from one of the following.

( ) 3 CES 471 Principles of Natural Resource Management
( ) 3 CES 210 Introduction to Conservation & Environmental Science
( ) 3 GEOG 350 Conservation of Natural Resources

History and Philosophy of Science – Two to three credits required. Select from one of the following.

( ) 3 BIO SCI 220 ( ) 3 HIS 227 ( ) 3 PHILOS 335
( ) 3 CHEM 502 ( ) 3 HIS 332 ( ) 3 PHILOS 338
( ) 3 HIST 226 ( ) 3 PHILOS 213 ( ) 3 PHILOS 520
( ) 3 PHILOS 324 ( ) 2-3 CURRINS 499/799

REQUIRED MATH ELECTIVE COURSES

( ) 3 Math Elective ________________________________
( ) 3 Math Elective ________________________________

Note: Not all courses are offered each semester
SCIENCE CONTENT AREA

The selection of at least one major and one minor (highly suggested) should be made in consultation with the faculty advisor prior to applying for admission to the School of Education.

**Majors – Must select one.**

- ( ) Biology
- ( ) Broad Field Science
- ( ) Chemistry
- ( ) Earth and Space Science

- ( ) Environmental Studies
- ( ) Life and Environmental Science
- ( ) Physical Science
- ( ) Physics

**Minors**

- ( ) Biology
- ( ) Earth and Space Science
- ( ) Chemistry
- ( ) Physics

Contact your Faculty Advisor for the “MACSTEP Program Packet” for course lists and specific details regarding the majors and minors.

The Broad Field Science major consists of 54 credits in science including:

- 14 credits in each of the five of the following sciences: biology, chemistry, earth, and physics.
- 8 credits in each of the remaining science areas.
- Electives (the coursework must total 54 credits) to be selected in consultation with a faculty advisor.
- Broad Field Science majors can earn a certification in another subject area (Biology, Chemistry, Physics and Earth and Space Science) if they have at least 15 credits (of particular coursework) in that subject area.

**PROFESSIONAL EDUCATION REQUIREMENTS**

**MACSTEP Sequence: Milwaukee Area Collaborative Secondary Science (and Math) Teachers Education Program** - It is important to meet with your faculty advisor in planning this sequence. All of the MACSTEP courses require formal admission to the School of Education.

**SUMMER**

- ( ) 2 CURRINS 510 Cooperative Strategies for Pre and Early Adolescents
- ( ) 3 CURRINS 518 Science Methods I
- ( ) 3 CURRINS 545 Reading in the Content Area
- ( ) 3 CURRINS 629 Change and Change Strategies in Education
- ( ) 1 EDPSY 541 Alternative Assessment in Science & Math I

**FALL**

- ( ) 1 CURRINS 510 Cooperative Strategies for Pre and Early Adolescents
- ( ) 3 CURRINS 516 Field Experience/Student Teaching in Middle School
- ( ) 6 CURRINS 519 Science Methods II
- ( ) 1 EDPSY 542 Alternative Assessment in Science & Math II
- ( ) 1 EXCEDUC 537 Inclusion for Secondary Science Educators

**Student Teaching** – Students must complete paperwork in order to be assigned a student teaching placement. Student teaching deadlines (April) are posted on the Office of Clinical Experiences Web site:

http://www4.uwm.edu/soe/academics/clinical-experiences.cfm

To be approved for placement, you must meet the following criteria:

- ( ) Admitted to the School of Education
- ( ) Completion of all required course work.
- ( ) Cumulative GPA of a minimum 2.5 (all undergraduate coursework, including transfer coursework)
- ( ) A minimum 2.75 in all your science content area and professional education courses
- ( ) Passing scores reflected on your transcript for the PRAXIS II exam:
  - General Science: Content Knowledge #5435
  - Score of 154 required _______________________________
- ( ) Removal of all F or I (incompletes) grades in courses that count toward graduation or certification.
- ( ) TB test results submitted to the Office of Clinical Experiences
- ( ) Criminal Background Check submitted to the Office of Clinical Experiences

**SPRING**

- ( ) 5-6 CURRINS 427 Student Teaching in Science
- ( ) 5-6 CURRINS 427 Student Teaching in Science
- ( ) 1 ED PSY 543 Alternative Assessment in Science & Math III
- ( ) 2 EXCEDUC 536 Inclusion for Secondary Science Educators

**ADDITIONAL REQUIREMENTS FOR GRADUATION**

- ( ) Minimum cumulative grade point average of 2.75 in all content area and professional education courses, including any transfer courses.
- ( ) Satisfactory completion of a minimum 128 credits
- ( ) Completion of the last year of coursework (30 credits) in residence at UW-Milwaukee

Note: Not all courses are offered each semester