SCIENCE STUDIES

We’re helping future generations develop a passion and appreciation for science.

Do you have an innate curiosity about the natural world? Would you like to share that passion with young learners through hands-on experiments? This bachelor’s degree program in Science Studies prepares you for leading diverse classrooms in their study of science’s fundamental concepts and disciplines.

Pair your studies with elementary teacher certification and you’ll be qualified to teach all subjects in grades K-5 with the option to become certified to teach science in grades 6-8. Either way, you’ll be part of a balanced program that combines academic studies, professional training, multiple field experiences in local schools, and thorough training in how to use technology in the 21st-century classroom.

And with successful completion of the program, you’ll earn both a bachelor’s degree and faculty recommendation for the Michigan Elementary Standard Certificate.

Dearborn Discovery Core
Please see the Dearborn Discovery Core (General Education) webpage or additional information.

Foundational Studies
Written and Oral Communication (GEWO) – 6 Credits
Upper-Level Writing Intensive (GEWI) – 3 Credits
Quantitative Thinking and Problem Solving (GEQT) – 3 Credits
Critical and Creative Thinking (GECC) – 3 Credits

Areas of Inquiry
Natural Science (GENS) – 7 Credits
  • Lecture/Lab Science Course
  • Additional Science Course
Social and Behavioral Analysis (GESB) – 9 Credits
Humanities and the Arts (GEHA) – 6 Credits
Intersections (GEIN) – 6 Credits

Capstone
Capstone (GECE) – 3 Credits

Core Course Requirements
Core courses are generally completed in the freshman and sophomore year.

Selections must be from courses numbered 100-200 unless otherwise stated.

Pre-Professional Requirements
Pre-professional courses are generally completed in the freshman and sophomore year.

Major Requirements
A minimum of 36 semester hours from the following:

Required Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>EXPS 220</td>
<td>Science in the Elem School</td>
<td>3</td>
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<tr>
<td>NSCI 231</td>
<td>Inquiry: Physical Science (see Note #3 below)</td>
<td>3</td>
</tr>
<tr>
<td>NSCI 232</td>
<td>Inquiry:Earth/Planet Science (see Note #3 below)</td>
<td>3</td>
</tr>
<tr>
<td>NSCI 233</td>
<td>Inquiry: Life Science (see Note #3 below)</td>
<td>3</td>
</tr>
<tr>
<td>EXPS 420</td>
<td>Science Capstone</td>
<td>3</td>
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</tbody>
</table>

1. Two of the three NSCI core courses may be transferred to UM-Dearborn. A) an introductory physical science will satisfy NSCI 231, B) an introductory earth/planetary science will satisfy NSCI 232, and C) an introductory life science course will satisfy NSCI 233. BIOL 240/BIOL 242 and NSCI 120/NSCI 121 cannot be used for science credit.
NSCI 331  | Phy. Sci. & Everyday Thinking  | 3
NSCI 332  | Inquiry: Mich Earth Science   | 3
NSCI 333  | Inquiry: PBL in Life Science  | 3

Electives

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<tbody>
<tr>
<td>Physical Science</td>
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<tr>
<td>Earth/Planetary</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Life Science</td>
<td></td>
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<tr>
<td>Total Credit Hours</td>
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<td>36</td>
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</table>

1 BIOL 240/BIOL 242 and NSCI 120/NSCI 121 cannot be used for science credit.

Major Notes:

1. 15 semester hours required at UM-Dearborn.
2. 6 semester hours required in courses at the 300 level or above.
3. Transfer students - 2 natural science courses may be transferred to UM-Dearborn:
   a) an introductory physical science will satisfy NSCI 231;
   b) an introductory earth/planetary science will satisfy NSCI 232;
   c) an introductory life science course will satisfy NSCI 233.

Program Notes:

1. A minimum GPA of 2.75 is required for a minor.
2. Transfer students - 2 natural science courses may be transferred to UM-Dearborn:
   a) an introductory physical science will satisfy NSCI 231;
   b) an introductory earth/planetary science will satisfy NSCI 232;
   c) an introductory life science course will satisfy NSCI 233.
3. Astronomy satisfies Earth/Planetary Science requirement.
4. Advising Policy: The student is responsible for complying with requirements described in the Undergraduate Catalog as well as on the Four Phase Checklist. Students are expected to meet with their College of Education, Health, and Human Services advisor at least once a year and in the term prior to graduation.
5. Courses taken on a PASS/FAIL basis will NOT be accepted toward program completion.
6. In order to be recommended for endorsements, students must pass the appropriate MTTC exam in addition to completing the coursework.
7. MTTC test scores must be reported by electronic delivery or direct mail from Pearson Evaluation Systems to the University of Michigan-Dearborn College of Education, Health, and Human Services. No hand carried scores will be accepted.

Minor Requirements

A minimum of 24 semester hours from the following:

<table>
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<tr>
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<tr>
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<td>EXPS 220</td>
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<tr>
<td>NSCI 231</td>
<td>Inquiry: Physical Science (see Note #2 below)</td>
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1 NSCI 120/NSCI 121 and / cannot be used for science credit.