Teaching

Minor Program in Teaching

Teach@Mines, situated within University Honors and Scholars Programs, offers a minor in Teaching. This is an interdisciplinary program designed to prepare students to teach K-12 or at the college level and is designed to complement any Bachelor degree program at Mines. The coursework prepares students to teach using best-practices from mathematics, science, engineering, and computer science education research.

Primary Contact:

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Teaching Minor

To obtain a Teaching Minor, students must take at least 18.0 credits related to teacher education. Four specific courses are required:

- 3 credits of Field Experience (SCED262), Educational Psychology (SCED333), Dynamic Teaching (SCED363) and Capstone Curriculum Design (SCED464). Additionally, students will choose two electives courses, one from each category listed below.

<table>
<thead>
<tr>
<th>Required Courses</th>
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<tr>
<td>SCED262</td>
<td>K-12 FIELD EXPERIENCE AND BUILDING STUDENT RELATIONSHIPS</td>
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<tr>
<td>SCED333</td>
<td>EDUCATIONAL PSYCHOLOGY AND ASSESSMENT</td>
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<tr>
<td>SCED363</td>
<td>DYNAMIC TEACHING: MOTIVATION, CLASSROOM MANAGEMENT, AND DIFFERENTIATION OF INSTRUCTION</td>
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<tr>
<td>SCED464</td>
<td>CAPSTONE CURRICULUM DESIGN I</td>
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One of the following electives: 3.0

- MAED405 MATHEMATICAL PRACTICES AND THE SOCIAL CONTEXT OF MATHEMATICS
- SCED415 SCIENTIFIC PRACTICES VS ENGINEERING DESIGN AND THE NATURE OF SCIENCE

One of the following: 3.0

- SCED445 PHYSICS AND CHEMISTRY TEACHING TECHNIQUES
- MAED425 PRE-ALGEBRA AND ALGEBRA TEACHING TECHNIQUES
- MAED435 COMPUTER SCIENCE TEACHING TECHNIQUES

Total Semester Hrs 18.0