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.

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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.

Required Courses:		**12.0**
SCED262	K-12 FIELD EXPERIENCE AND BUILDING STUDENT RELATIONSHIPS	
SCED333	EDUCATIONAL PSYCHOLOGY AND ASSESSMENT	
SCED363	DYNAMIC TEACHING: MOTIVATION, CLASSROOM MANAGEMENT, AND DIFFERENTIATION OF INSTRUCTION	
SCED464	CAPSTONE CURRICULUM DESIGN I	
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**