

Early STEM Education Minor

Early STEM Education Minor

The Early STEM Education Minor (PK-2) Program, applicable to Early Childhood Education and Elementary Education programs, provides an opportunity to build on the existing coursework essential to the Early Childhood Teacher Preparation Program. This specialized minor empowers elementary and early childhood educators to be influential figures within their school and community, particularly in Science, Technology, Engineering, and Mathematics Integration (STEM). Students who complete this minor will better understand how educators engage in daily STEM experiences with children as they develop as innovators and scientists. This minor does not lead to an endorsement.

Required Science:

Earth/Space Science Course	3-4
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One of the following:

SCI ED 1100	Inquiry into Earth and Space Science
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EARTHSCI 1100	Astronomy
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EARTHSCI 1200	Elements of Weather
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EARTHSCI 1300	Introduction to Geology
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Life Science Course	3-4
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SCI ED 1200	Inquiry into Life Science
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OR

Any life/biology (BIOL xxxx) science course *

Physical Science Course	3-4
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SCI ED 1300	Inquiry into Physical Science
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OR

Any chemistry (CHEM xxxx) or physics (PHYSICS xxxx) *

Professional Experiences:

EDUC 3523/5523	Teaching Methods II: Teaching Elementary Science	3
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Required Technology:

LRNTECH 3600	Technology, Pedagogy, and Learning in the Digital Age	3
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Required Engineering:

ECIE 4151	Early Childhood Curriculum Development and Organization	3
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Required Math:

MATH 1204	Mathematical Reasoning	3
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MATH 2204	Mathematical Reasoning for Elementary Teachers II	3
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MATH 3204	Mathematical Reasoning for Elementary Teachers III	3
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MATH 3203	Teaching Mathematics in the Elementary School	3
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Required STEM:

ELEMECML 3187	Facilitating Early STEM Education	3
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Total Hours	33-36
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* Excluding 1000Z transfer courses.

Related Programs

- Early Childhood Education - Teaching B.A.
- Early Childhood Education - Teaching Minor