

STEM FOR K- 6TH GRADE EDUCATORS (B.S.)

Integrated Studies Requirements

40 credits minimum

STEM for K-6th Grade Educators

Code	Title	Credits	Completed
Major Requirements (36 Credits)			
<i>Science & Technology Core Courses (20 Credits)</i>			
INPHYS-201	Phenomenal Science	4	_____
<i>Space Systems</i>			
Select one of the following:		4	_____
INASTR-101	Intro to Planetary Astronomy		_____
INASTR-102	Intro to Stellar Astronomy		_____
<i>Earth and Climate Systems</i>			
Select one of the following:		4	_____
INMET-225	Meteorology		_____
INENST-201	Earth Cycles & Systems		_____
INENST-300	Geoscience Issues & Society		_____
ISENST-205	Environmental Geography		_____
<i>Biological Sciences</i>			
Select one of the following:		4	_____
INBIO-110	Cells and Molecules		_____
INBIO-111	Evolution & Ecology		_____
<i>Light and Matter Sciences</i>			
Select one of the following:		4	_____
INCHEM-100	Introduction to Chemistry		_____
INCHEM-111	General Chemistry		_____
INOPTC-101	Introduction to Optics		_____
<i>Mathematics Core Courses (12 Credits)</i>			
MATH-141	Introductory Statistics	4	_____
MATH-112	Precalculus	4	_____
or MATH-211	Calculus I		_____
MATH-181	Comp Tools for Problem Solving	4	_____
<i>STEM Capstone</i>			_____

EDUC-442	Integrating Stem in the Class	4	_____
Total Credits		36	_____

Teacher Licensure

Only Elementary Education (K-6) students can declare this major to meet the requirement for the liberal arts major. This is not a stand-alone major, so students must meet the requirements for the elementary education major to have this as their second liberal arts major. Please see the catalog for details on Elementary Education requirements: <https://catalog.keene.edu/bachelors-degree-programs/> ([https://catalog.keene.edu/bachelors-degree-programs/stem-educators-bs/Only-Elementary-Education-\(K-6\)-students-can-declare-this-major-to-meet-the-requirement-for-the-liberal-arts-major.-This-is-not-a-stand-alone-major,-so-students-must-meet-the-requirements-for-the-elementary-education-major-to-have-this-as-their-second-liberal-arts-major.-Please-see-the-catalog-for-details-on-Elementary-Education-requirements:-https://catalog.keene.edu/bachelors-degree-programs/](https://catalog.keene.edu/bachelors-degree-programs/stem-educators-bs/Only-Elementary-Education-(K-6)-students-can-declare-this-major-to-meet-the-requirement-for-the-liberal-arts-major.-This-is-not-a-stand-alone-major,-so-students-must-meet-the-requirements-for-the-elementary-education-major-to-have-this-as-their-second-liberal-arts-major.-Please-see-the-catalog-for-details-on-Elementary-Education-requirements:-https://catalog.keene.edu/bachelors-degree-programs/))

Electives

Select courses to reach a total of 120 credits for the degree

Degree Requirements

120 credits

40 credits at the upper-level