

XSTEMTC:MN - FIUteach STEM Teaching Minor Fall 2025

This FIUteach Teaching Minor prepares STEM majors for teaching careers in secondary education by combining classroom instruction with hands-on teaching experiences. Students design and teach inquiry-based STEM lessons in local schools, fostering critical pedagogical skills. Through reflective practice, participants continuously assess and refine their teaching methods. This program equips future educators with the knowledge, skills, and confidence to inspire and engage students in STEM fields. This program is aligned with the Professional Training Option (PTO), pursuant to F.A.C 6A-4.006 General and Professional Preparation (Amended. 6/23/16) in Florida. This minor in Education is open to all undergraduate students except those majoring in any STEM Education degree track.

Admission Requirements: Students must be degree seeking in a STEM or similar discipline and have at least a 2.0 GPA in their major.

All courses must be taken and passed with a minimum grade of “C”.

Does not lead to teacher certification.

Program Credit Hours 18-20

Course	Course Title	Credit Hours
Required Courses: (17 credits)		
SMT 2044*	Combined STEP 1 & 2: Inquiry-Based Approaches and Lesson Design for Teaching Mathematics and Science	2
SMT 3100	Knowing, Learning, and Adolescent Development in Mathematics and Science	3
SMT4301*	Classroom Management and Interactions for Diverse Learning Needs in STEM (Prerequisite: SMT3100 Or Program Permission)	3
SMT4664*	Educational Assessment and Project-Based Instruction in Mathematics and Science (Prerequisite: SMT 4301 or Program Permission)	3
RED 4325*	Subject Area Reading	3
TSL 4324*	ESOL Issues and Strategies for Content Area Teachers- GL	3
Elective Course (3 credits) Please select one		
EDG 4007	Starting Your Journey: Introduction to the Teaching Profession <i>(is a variable credit course. Students must complete at least 1 credit)</i>	3
ISC3941*	STEM Research and Communication Internship (variable credit course. Students must complete at least 1 credit)	1-3

***Course requires field experience hours. Other courses may also have field requirements.**

*****SMT 2044:** Combined STEP 1 & 2: Inquiry-Based Approaches and Lesson Design for Teaching Mathematics and Science may be satisfied for students who have previously taken both SMT 2661 – Step 1: Inquiry Approaches to Teaching Mathematics and Science, and SMT 2662 – Step 2: Inquiry-Based Lesson Design in Mathematics and Science

For more information about the minor, contact: Email: fiuteach@fiu.edu or visit <https://fiuteach.fiu.edu/>