

# Teacher Preparation Program

## Degree Type

Licensure Program

## Advisor: Jillian DiBonaventura

Licensed teachers in STEM fields are in continual high demand across the United States. Participation and successful completion of our teacher preparation program will result in endorsement for an Initial teaching licensure in the state of Massachusetts. WPI students may elect to pursue licensure in middle or high school mathematics, middle school general science, high school science (Biology, Chemistry, Physics), technology/engineering, or digital literacy/computer science alongside an undergraduate degree in the STEM-related major of their choice.

Specific content courses are required to meet Massachusetts requirements for Subject-Matter Knowledge competency, but these are generally met by courses in a student's major. Joining the Teacher Preparation Program (TPP) licensure program enables participants to pursue the content area of their choice while impacting the lives of middle and high school students in urban schools and the local community. Students wishing to discuss this option further are encouraged to contact Jillian DiBonaventura, Director of Teacher Preparation at the STEM Education Center.

Applications are accepted twice yearly (A and C term), and more information can be found on our website or by contacting [www.wpi.edu/+teach](http://www.wpi.edu/+teach)

<https://www.wpi.edu/academics/undergraduate/teacher-preparation-program>

## Teacher Prep students must successfully complete the following requirements for initial licensure in the state of Massachusetts:

- Completion of an online portfolio that addresses the Candidate Assessment of Performance (CAP) required by the Department of Elementary and Secondary Education (DESE) during the student teaching practicum
- Successful completion of a full-time teaching practicum in a local middle or high school during C&D terms (often completed as an IQP in junior year)
- Pass the state MTEL teaching tests in the following areas:
  - Communication and Literacy skills (both Reading & Writing subtests)
  - Relevant Subject-Matter test for the license sought
- Complete all program requirements (Pre-practicum experiences and coursework)

### EDU Courses

Item #	Title	Units
EDU 2200	Early Fieldwork in STEM Teaching and Community Engagement	1/6
EDU 2300	Out-of-School Time K-12 STEM education in the local Community	1/6
EDU 3200	Sheltered English Immersion Endorsement Course for Teachers	1/3
EDU 4100	Teaching Methods in Science, Technology, Engineering, and Mathematics	1/3
EDU 4000	Topics in Teacher Preparation: Practicum Seminar	1/6
EDU 4200	Senior Seminar	0/1

## Practicum

Student Teaching Practicum is done as an IQP, MQP (if Physics), or Independent Study:

- **PQP or equivalent (1/6)**
- **ID 2050 or equivalent (1/3)**
- **IQP or MQP or IS (1)**

Item #	Title	Units
ID 2050/SS 2050	Social Science Research for the IQP	1/3

## PSY Courses

Choose two of the following: (you must take either School Psychology **or** the Psychology of Education as one course)

Item #	Title	Units
PSY 2401	The Psychology of Education	1/3
PSY 4100	School Psychology	1/3

And choose one of the following (but not repeated from above):

Item #	Title	Units
PSY 2401	The Psychology of Education	1/3
PSY 2403	Cognitive Psychology	1/3
PSY 2404	Developmental Psychology	1/3
PSY 4100	School Psychology	1/3

## HUA Course

Required for DL/CS, recommended for others:

Item #	Title	Units
HU 2501	STEM-inism	1/3