

# SCIENCE TEACHING

## Contact Information

### Science Teaching

<https://mst.rice.edu>

224 Herman Brown Hall

713-348-4634

### Patricia H. Reiff

Program Director

[reiff@rice.edu](mailto:reiff@rice.edu)

The Master of Science Teaching (MST) degree is a content-based, non-thesis, advanced degree primarily directed towards inservice middle school, IPC (Integrated Physics and Chemistry), Physics, or Astronomy high school teachers and other Education and Public Outreach (EPO) professionals. The goal of the program is to provide content and skills to inservice and preservice K-12 and informal educators, so that they will become proficient in, and able to teach, all the Planetary, Astronomy, and Space Science topics included in the Next Generation Science Standards and the State of Texas science standards.

The teachers who finish the program are encouraged to become master teachers in their school district, multiplying the impact of the program manifold by giving workshops and other inservice programs to other teachers, both in-state and across the country.

This degree program is administered by the Department of Physics and Astronomy.

Science Teaching does not currently offer an academic program at the undergraduate level.

## Master's Program

- Master of Science Teaching (MST) Degree (<https://ga.rice.edu/programs-study/departments-programs/natural-sciences/science-teaching/teaching-mst/>)

## Director

Patricia H. Reiff

## Application Review Committee

David Alexander

B. Paul Padley

Patricia H. Reiff

## Advisory Council

David Alexander

Robert F. Curl, Jr. (Professor Emeritus)

Jason H. Hafner

Neal F. Lane (Professor Emeritus)

Carolyn A. Nichol

Anne Papakonstantinou

B. Paul Padley

Patricia H. Reiff

Carolyn Sumners

## Educational Professionals

Matthew Cushing

Carolyn Nichol

Anne Papakonstantinou

Judy Radigan

Patricia H. Reiff

Carolyn Sumners

*For Rice University degree-granting programs:*

To view the list of official course offerings, please see [Rice's](#)

[Course Catalog](https://courses.rice.edu/admweb/!SWKSCAT.cat?p_action=cata) ([https://courses.rice.edu/admweb/!SWKSCAT.cat?p\\_action=cata](https://courses.rice.edu/admweb/!SWKSCAT.cat?p_action=cata))

To view the most recent semester's course schedule, please see [Rice's](#) [Course Schedule](https://courses.rice.edu/admweb/!SWKSCAT.cat) (<https://courses.rice.edu/admweb/!SWKSCAT.cat>)

## Description and Code Legend

**Note:** Internally, the university uses the following descriptions, codes, and abbreviations for this academic program. The following is a quick reference:

### Course Catalog/Schedule

- Course offerings/subject codes: Courses from various subjects may apply towards this program

### Department Description and Code

- Physics and Astronomy: PHYS

### Graduate Degree Description and Code

- Master of Science Teaching degree: MST

### Graduate Degree Program Description and Code

- Degree Program in Science Teaching: STEA

### CIP Code and Description <sup>1</sup>

- STEA Major/Program: CIP Code/Title: 13.1316 - Science Teacher Education/General Science Teacher Education

<sup>1</sup> Classification of Instructional Programs (CIP) 2020 Codes and Descriptions from the National Center for Education Statistics: <https://nces.ed.gov/ipeds/cipcode/>