

# SME GRADUATE DEGREE PLAN

## MAT in Science Education

Student Name (print): \_\_\_\_\_ Date: \_\_\_\_\_

UTD ID: \_\_\_\_\_ Net ID: \_\_\_\_\_

Date of First Enrollment in MAT in Science Education \_\_\_\_\_

**Option** (choose one):  Practitioner  Thesis

Catalog applicable to student \_\_\_\_\_ Projected Semester of Graduation \_\_\_\_\_

*[Once student accepts a subsequent catalog, University regulations prohibit return to a prior catalog.]*

A degree plan does not replace catalog requirements. A degree plan that is consistent with catalog and other University requirements provides a schedule that, with acceptable completion of the requirements, will result in the award of the MAT in Science Education. The Department of Science/Mathematics Education will attempt to schedule courses as described in degree plans, but cannot guarantee that it can do so. Degree plans may be amended as needed; the most current degree plan replaces all prior degree plans.

### Courses

**Semester/Grade**

#### **EDUCATION CORE**

SMED 5301	Science, Mathematics, and Society	_____
SMED 5302*	Teaching and Learning of Science and Mathematics Education	_____
SMED 5303*	Introduction to Research and Evaluation in Science and Mathematics	_____
SMED 5304*	Research Methods in Science and Mathematics Education	_____

#### **Notes:**

- 5303 is a required prerequisite for 5304
- An average of B (3.0) or better in the four core courses is required for graduation.

#### **STEM CONTENT -- RESEARCH and/or THESIS**

1.	_____	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____
5.	_____	_____
6.	_____	_____

#### **ELECTIVES**

1.	_____	_____
2.	_____	_____

*[Students in the Research Option must use one elective to take SCI 5340 Statistics or equivalent prior to or concurrent with their first research course.]*

**Total SCH:** \_\_\_\_\_

**Student Signature**

**Authorized SME Department Signature/Advisor**

\_\_\_\_\_

\_\_\_\_\_

## SAMPLE Degree Plan Template

Students are not required to use this degree plan template. However, this template leads to a degree plan that enables students to earn the MAT in Science Education or MAT in Mathematics Education in two calendar years (24 months)

	Year 1	Year 2
Fall	STEM Content #1 Elective #1	SMED 5303 STEM Content #4
Spring	SMED 5302 STEM Content #2	SMED 5304 STEM Content #5 [or Research]
Summer	SMED 5301 STEM Content #3	Elective #2 STEM Content #6 [or Research]

Students in the Practitioner [non-thesis] Option take four courses from one of the STEM Content sets and two courses from a different STEM Content set.

The items in square brackets apply to students who decide to prepare and defend a thesis [Thesis Option]. **Thesis option requires prior approval of a prospectus before beginning thesis research.** These students take four courses from one of the STEM content sets, Research, and Thesis. They must also use one of their elective to take SCI 5340 Statistics.

*Note: A student may also satisfy this requirement in any semester by taking individual instruction course in statistics through the SME department.*

## STEM Content Area Courses

### Earth and Space Sciences (ESS)

SCI 5322	Basis of Evolution
SCI 5326/PHYS 5319	Astronomy: Our Place in Space
SCI 5327/PHYS 5327	Comparative Planetology
SCI 5337	Rockin' Around Texas

### Life Sciences (LSS)

SCI 5322	Basis of Evolution
SCI 5324	Ecology
SCI 5339/ BIOL 5V00	Practical Approaches in Genetics
SCI 5330	Emerging Topics in Biology
SCI 5341	Astrobiology

### Physical Sciences (PSS)

SCI 5338	Conceptual Chemistry
SCI 5331/PHYS 5331	Conceptual Physics I: Force and Motion
SCI 5332/PHYS 5332	Conceptual Physics II: Particles and Systems
SCI 5333/PHYS 5333	Conceptual Physics III: Atoms, Charges, and Interactions

*[SCI/PHYS 5331, SCI/PHYS 5332, and SCI/PHYS 5333 must be taken in sequence.]*

\*Can be used for concurrent credit with the UTeach Dallas teacher certification program

Other courses may be used to meet the STEM Content requirements. Use of courses outside these sets must be approved by the Graduate Studies Committee.