

WAYNE STATE  
UNIVERSITY  
COLLEGE OF EDUCATION

Teacher Education Division  
Master of Education in Science (156/MSCE)

This program is designed for teachers who wish to enhance their knowledge and skills for teaching science. The Master of Education in Science may be completed in programs with orientations suitable to teachers certified for elementary or secondary teaching. The programs differ in their science and science education requirements.

To be considered for the Master of Education program in Science, applicants must present evidence of:

1. Eligibility for a Michigan teaching certificate;
2. An undergraduate major or equivalent coursework in science; and
3. Minimum 2.60 cumulative G.P.A. or 2.60 G.P.A. based on the last 2 years of baccalaureate study and at least a 3.0 G.P.A. in the science courses.

Admission to the Master of Education program is contingent upon admission to the graduate school. Applications for the Master of Education Degree are in the Academic services Office, Room 489 Education.

## Student Responsibilities

### Plan of Work

After you have been admitted to the Master of Education program, you should meet with a science education advisor to complete your Plan of Work. Your Plan of Work must be submitted to the Graduate Education Office for approval, prior to completion of 12 semester hours of graduate coursework.

### Coursework

Advanced planning will help ensure the completion of your program in a timely fashion. Information about course offerings can be obtained from the Science Education Department and the departments in the College of Science.

### Time Limitations

You must complete the requirements for the Master of Education within six years following the completion of the first recorded graduate course to be used for your degree.

### Master's Degree Seminars

Students are advised to take the seminars toward the end of their coursework. The seminars must be taken sequentially – TED 7000 in the fall, followed by ED 7999 in the winter. When registering for the seminars be sure to select the section designated for Science Education students.

### Transfer Credits

A maximum of six graduate semester credits from another accredited university may be transferred and applied to your program provided the courses are approved by your advisor and the College of Education Academic Services Division. Such courses must be graduate level courses with grades of "B" or better. However, a minimum of 24 semester credits toward the master's degree must be earned in residence at Wayne State University.

### Graduation

You must submit an application to graduate. Your application must be submitted to the Central Records Office, no later than the tenth day of classes for the semester in which you will complete your degree requirements.

## Major Requirements (Minimum of 16 Hours)

### Science Education Courses

A minimum of ten semester hours

ELE	6500	Science Curriculum: Preprimary-8	3 cr.
SCE	5010	Biological Sciences for Elementary & Middle School Teachers	3 cr.
SCE	5020	Physical Sciences for Elementary & Middle School Teachers	3 cr.
SCE	5030	Earth/Space Sciences for Elementary & Middle School Teachers	3 cr.
SCE	5040	Field Course in Exploring the Natural Environment	1 cr.
SCE	5060	Methods and Materials of Instruction in Secondary Science I	3 cr.
SCE	5070	Methods and Materials of Instruction in Secondary Science II	3 cr.
SCE	6030	Advanced Studies in Teaching Science in Jr. High & Middle School	3 cr.
SCE	6040	Advanced Studies in Teaching Science in High School	3 cr.
SCE	6080	Teaching Environmental Studies	3 cr.
SCE	7010	Special Topics in Science Education	3 cr.

**\*SCE 7010 may be taken twice (on different topics) for a total of 6 credits**

### Master's Degree Seminars

Six semester hours (taken concurrently)

TED	7000	Introductory Master's Seminar (Science Education Section)	3 cr.
ED	7999	Terminal Master's Seminar (Science Education Section)	3 cr.

## General Professional Requirements (Minimum 6 Hours)

### Educational Foundation Courses

One two-credit course from **three** different subject areas:

EDA	7600	Education Administration	2 cr.
EDP	5450, or 5480, or 7350	Educational Psychology	2 cr.
EDS	7630	Educational Sociology	2 cr.
EER	7610 or 7630	Evaluation and Research	2 cr.
CED	6700	Counseling	2 cr.
EHP	7600	History and Philosophy of Education	2 cr.
SED	7050	Special Education	2 cr.

### Electives (Minimum 8 Hours)

These graduate courses should provide breadth to the master's program. They should be taken in addition to the major requirements cited above, in consultation with the advisor. Students should consider courses from the College of Science as possible electives.

**Total Credit Hours Required for Degree**

**30 cr.**