

# EDUCATION GRADUATE MAJOR (EDD, EDM, MS, PHD)

This major offers the following option(s):

- Advanced Science and Mathematics Education (<http://catalog.oregonstate.edu/college-departments/education/education-edd-edm-ms-phd/advanced-science-mathematics-education-option/>)
- Agricultural Education (<http://catalog.oregonstate.edu/college-departments/education/education-edd-edm-ms-phd/agricultural-education-option/>)
- Free-Choice Learning (<http://catalog.oregonstate.edu/college-departments/education/education-edd-edm-ms-phd/free-choice-learning-option/>)
- Language Equity and Educational Policy (<http://catalog.oregonstate.edu/college-departments/education/education-edd-edm-ms-phd/language-equity-educational-policy-option/>)
- Mathematics Education (<http://catalog.oregonstate.edu/college-departments/education/education-edd-edm-ms-phd/mathematics-education-option/>)
- PK-12 English to Speakers of Other Languages (ESOL) (<http://catalog.oregonstate.edu/college-departments/education/education-edd-edm-ms-phd/pk-12-esol-option/>)
- Science Education (<http://catalog.oregonstate.edu/college-departments/education/education-edd-edm-ms-phd/science-education-option/>)
- Science/Mathematics Education (<http://catalog.oregonstate.edu/college-departments/education/education-edd-edm-ms-phd/sciencemathematics-education-option/>)
- Social Justice Education (<http://catalog.oregonstate.edu/college-departments/education/education-edd-edm-ms-phd/social-justice-education-option/>)

**MS also available via Ecampus.**

The College of Education offers graduate work leading to the Master of Education (EdM), Master of Science in Education (MS), Doctor of Education (EdD; not available at this time), and Doctor of Philosophy (PhD) degrees with a major in education.

## Master of Education (EdM) Degree

*The EdM program through Ecampus has been suspended effective Summer 2019 (202000).*

The Master of Education (EdM) degree advances the knowledge and teaching of PK–12 teachers and other educators who are interested in continued professional development in the field of education in order to create inclusive, supportive learning environments that contribute to student learning and growth. Candidates take courses in educational research, technology, cultural competency, and leadership. They also further their pedagogical content knowledge and instruction in a specific area/option.

## Master of Science (MS) Degree

The Master of Science (MS) in Education prepares candidates to be secondary science or mathematics teachers who are skilled professionals drawing upon current educational research to create innovative and inclusive science or math learning environments.

Candidates work within a cohort of peers in science and mathematics education and are taught by faculty who specialize in and conduct educational research in science, mathematics, and equity.

## Doctor of Philosophy (PhD) Degree

The Doctor of Philosophy (PhD) in Education provides advanced theory and methods in educational research and in specific content areas. This is a research-oriented degree intended for doctoral candidates interested in becoming educational researchers and assume professional positions in a variety of settings, including colleges and universities, non-profit organizations, and government agencies. This degree aims to prepare professional researchers, scholars, or other scholar practitioners. Candidates develop competencies in educational scholarship and research that focus on acquiring new knowledge.

**Major Code: 2310**

## Master of Education (EdM) Degree

*The EdM program through Ecampus has been suspended effective Summer 2019 (202000).*

The Master of Education degree requires completion of one graduate option for a total of 45 quarter credits. All options require completion of 18 credits of core courses, 12–15 credits of content specialty courses, and 12–15 credits of elective courses from the other EdM options or OSU Colleges. Up to 15 graduate credits may be transferred if they meet OSU Graduate School requirements.

**Note:** Completion of this degree does not lead to initial (preliminary) teaching licensure; it is an advanced degree for continued professional development in targeted areas.

There are four EdM options, all online and approved by the Oregon Teacher Standards and Practices Commission (TSPC) and nationally accredited by NCATE.

1. Advanced Science and Mathematics Education
2. Free-Choice Learning
3. PK–12 English to Speakers of Other Languages (ESOL)
4. Social Justice in Education

Applicants to the EdM program must possess teaching experience in a K–12 classroom or in an education-related setting. Because this major is practitioner-based, it requires access to a classroom or informal learning environment to apply educational research, theory, and pedagogical practices, and for completion of a final project.

Code	Title	Credits
<b>EdM Core Courses</b>		
ED 506	PROJECTS	3
ED 522	RACIAL AND CULTURAL HARMONY IN THE K-12 CLASSROOM	3
ED 542 or LEAD 542	TEACHER LEADERSHIP LEADERSHIP SKILLS FOR CAREER SUCCESS	3
ED 561	ACTION RESEARCH	3
ED 562	INTRODUCTION TO EDUCATIONAL RESEARCH	3
ED 596 or SED 520	TECHNOLOGY FOR EDUCATORS TECHNOLOGY FOR MATH AND SCIENCE EDUCATION	3
<b>Content Specialty</b>		<b>12-15</b>
<b>Electives</b>		<b>12-15</b>
Total Credits		45

## Master of Science (MS) Degree

The Education MS degree is comprised of a coherent set of courses that emphasize research-based instruction, educational equity, innovation, and community partnerships. Candidates work with community partners in public school settings every term. As part of the program, candidates complete a master's project that integrates research, theory, and practice.

The program consists of required core courses including practicum and internship courses with additional credits in a content specialty/option: Science Education or Mathematics Education.

Upon completion of the program, candidates will have:

- A Master of Science degree in one option:
  - Science Education
  - Mathematics Education
- An Oregon preliminary teaching license; and
- One or more endorsements in Advanced Mathematics, Biology, Chemistry, Integrated Science or Physics.
- It is also possible to earn an ESOL endorsement which includes additional courses and field experiences beyond the required number of credits.

Code	Title	Credits
<b>MS Core Courses</b>		
ED 520	CLASSROOM MANAGEMENT	3
ED 521	FUNDS OF KNOWLEDGE IN EDUCATION	3
ED 572	FOUNDATIONS OF ESOL EDUCATION	3
SED 506	PROJECTS	3
SED 509	PRACTICUM	3
SED 510	PROFESSIONAL INTERNSHIP. SCIENCE OR MATHEMATICS EDUCATION	15
SED 511	ANALYSIS OF CLASSROOMS I	3
<b>Content Specialty</b>		17
Total Credits		50

## Doctor of Philosophy (PhD) Degree

The Education PhD degree is designed for candidates already possessing education beyond the undergraduate level (master's degree or equivalent). Applicants to the PhD program must have significant experience in an education-related setting such as teaching, leadership administration, curriculum specialist, supervisor, or in a setting where the primary function is education. Some knowledge of educational research methodology is highly desirable.

This degree requires a core courses in quantitative and qualitative research, practicum, and dissertation/thesis, and additional credits in a specialty area/option. Additional research methods and elective courses are approved by the major professor.

Candidates select from three PhD options. All options are offered on-campus at OSU in Corvallis:

1. Agricultural Education
2. Language Equity and Educational Policy
3. Science/Mathematics Education

Code	Title	Credits
<b>PhD Core Courses</b>		
ED 603	THESIS	36
or AED 603	DISSERTATION	
or SED 603	DISSERTATION	

ED 607	SEMINAR (one credit per term)	3
ED 609	PRACTICUM/CLINICAL EXPERIENCE	3
or SED 615	PRACTICUM IN MATHEMATICS/SCIENCE IN COLLEGE TEACHING	
ED 620	RESEARCH DESIGN AND EPISTEMOLOGIES	3
ED 622	QUALITATIVE RESEARCH TECHNIQUES IN EDUCATION	3
ED 624	QUANTITATIVE RESEARCH DESIGN AND CRITICAL ANALYSIS	3
<b>Content Specialty</b>		
Required courses in option		18-29
<b>Electives</b>		
Select two courses in research methods		6-8
<b>Additional Courses</b>		
Select additional credits from Masters or other OSU courses		33-38
Total Credits		108-112

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