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/science-mathematics-education-option/)
- Social Justice Education (http://catalog.oregonstate.edu/college-departments/education/education-edd-edm-ms-phd/social-justice-education-option/)

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 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**
--- | --- | ---
ED 506 | PROJECTS | 3
ED 522 | RACIAL AND CULTURAL HARMONY IN THE K-12 CLASSROOM | 3
ED 542 | TEACHER LEADERSHIP | 3
or LEAD 542 | LEADERSHIP SKILLS FOR CAREER SUCCESS | 3
ED 561 | ACTION RESEARCH | 3
ED 562 | INTRODUCTION TO EDUCATIONAL RESEARCH | 3
ED 596 | TECHNOLOGY FOR EDUCATORS | 3
or SED 520 | TECHNOLOGY FOR MATH AND SCIENCE EDUCATION | 3

**Content Specialty**

12-15

**Electives**

12-15

**Total Credits**

45

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 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.
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.

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<th>Title</th>
<th>Credits</th>
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<td>CLASSROOM MANAGEMENT</td>
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<td>ED 521</td>
<td>FUNDS OF KNOWLEDGE IN EDUCATION</td>
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<td>ED 572</td>
<td>FOUNDATIONS OF ESOL EDUCATION</td>
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<td>PRACTICUM</td>
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<td>SED 510</td>
<td>PROFESSIONAL INTERNSHIP SCIENCE OR</td>
<td>15</td>
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<td></td>
<td>MATHEMATICS EDUCATION</td>
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<td>SED 511</td>
<td>ANALYSIS OF CLASSROOMS I</td>
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**Content Specialty**

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<th>Required courses in option</th>
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<th>Additional Courses</th>
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<td>Total Credits</td>
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Major Code: 2310

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

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<td>or SED 603</td>
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