

SCIENCE GRADUATE OPTION

This option is offered within the following major(s):

- Teaching - College of Education (<http://catalog.oregonstate.edu/college-departments/education/teaching-mat/>)

Available only at OSU-Cascades.

The Science graduate option is for students wanting to earn both a Master of Arts in Teaching (MAT) degree in science and qualify for an Oregon teaching license in one of the following areas: biology, chemistry, integrated science, physics.

Option Code: 2105

Code	Title	Credits
Professional Teaching Core		
ED 572	FOUNDATIONS OF ESOL EDUCATION	3
The Learner and Learning		
ED 513	LEARNING ENVIRONMENTS I: FOSTERING CLASS ENGAGEMENT	3
ED 514	LEARNING ENVIRONMENTS II: ADVANCING EVERY STUDENT	2
ED 522	RACIAL AND CULTURAL HARMONY IN THE K-12 CLASSROOM	3
ED 594	DIFFERENTIATION	2
ED 595	EDUCATIONAL DEVELOPMENT	2
Instructional Practice		
ED 550	THE EFFECTIVE TEACHING CYCLE I: FOUNDATIONS AND PLANNING	4
ED 551	THE EFFECTIVE TEACHING CYCLE II: ASSESSMENT	4
ED 592	TECHNOLOGY TOOLS FOR TEACHING	1
Professional Responsibility		
ED 518	PROFESSIONAL PRACTICE IN THE TEACHING COMMUNITY	2
ED 519	CAPSTONE: TEACHING AS A PROFESSION	3
Content Specialty		
ED 531	SCIENCE METHODS I: INQUIRY AND THE NATURE OF SCIENCE	4
ED 532	SCIENCE METHODS II: SUPPORTING STUDENTS' CONCEPTUAL CHANGE	4
ED 533	SCIENCE METHODS III: SCIENCE FOR ALL LEARNERS	4
Internship and Practicum		
ED 510	INTERNSHIP	17
Total Credits		58

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