

BIOLOGY PROGRAM - Pre-Education Option Checklist

CAUTION: The pre-education option meets the requirements for most graduate teacher licensure programs. The option is NOT designed for the Education Double Degree. Students must check pre-requisites at any school to which they apply for up-to-date information.

Required Courses (16-18 credits):				
✓	Course	Pre(Co)requisites ¹	Term ²	Credits
	SED 407 Science and Math Ed. Orientation		W	2
	SED 412/512 Technology Foundations for Teaching Math and Science		F, Su	3
	SED 413/513 Science Materials and Lab.		W, Su	3
Adolescent Psychology Course (Select 1 course)				
	HDFS 313 Adolescent Development	HDFS 311 or override required	All	4
	TCE 412 Learning Styles and Needs in Adolescence	Override required	All	2
	TCE 512 Psychology of the Adolescent		W, Su	3
Practicum Experience (Select 6 credits)				
	SED 309 Field Practicum: Sci. & Math		All	3
	SED 409 Field Practicum: Sci. & Math		All	3
	SED 406 Fall Classroom Experience <u>OR</u> SED 406 Winter Classroom Experience		F, W	1-3 1-3
	BI 405 Biology 21X Teaching Internship (Assist in BI 211, 212, 213)		All	1-3

Pre-Education option students must also complete additional courses from at least one of the specific tracks below.

Chemistry Track (Choose 6 or more credits from the following)				
✓	Course	Pre(Co)requisites ¹	Term ²	Credits
	CH 390 Environmental Chemistry		F, W, S	3
	CH 324 Quantitative Analysis	One yr CH	F, W, S	4
	CH 440 Physical Chemistry		F	3
	BB 493 Biochemistry Lab	BB 450	F	3

Integrated Science Track (11-12 credits)				
✓	Course	Pre(Co)requisites ¹	Term ²	Credits
	CHOOSE TWO: GEO 201, 202, 203		All	8
	CHOOSE ONE: GEO 201, 202 or 203 (if not taken above) <u>OR</u> OC 331, GEO 323 or ATS 210		See catalog	3-4

¹ Check current catalog for additional prerequisites.

² Subject to change. Check Schedule of Classes for current course offerings.

OSU Pre-Ed Information

Student Club – Science and Math Pre-Education Club:

Students interested in gaining more experience with teaching and participating in fun, interactive programs with kids should join the Pre-Ed Club. Club activities include Science and Math Nights, where elementary and grade school kids participate in hands-on activities lead by club members to spark interest in science and math. Guest speakers attend club meetings to discuss topics such as how to become a teacher. For more information, join the Pre-Ed Listserve (see below) to receive Club announcements.

Pre-Ed Listserve:

Join the Pre-Ed listserve to find out about education opportunities on campus and in the Corvallis area. Go to <http://www.science.oregonstate.edu/node/125>, enter 'education' under List Name, and follow the directions to join.

Teacher Preparation Programs and Licensure Tests:

Information on how to become a teacher in Oregon, and licensure programs in Oregon:

<http://www.ous.edu/teachedguide.htm>

Information on the **OSU Professional Teacher Education Program:**

http://oregonstate.edu/dept/sci_mth_education/

For more information, contact janice.rosenberg@oregonstate.edu

Information on the **OSU Education Double Degree** (not designed for the Biology

Pre-Ed Option): <http://oregonstate.edu/education/programs/dd.html>

For more information contact gene.newburg@oregonstate.edu

Teaching Experience:

Students gain experience in the classroom through the practicum courses required for the pre-ed option (see checklist). Additional experience in a teaching and learning environment is highly recommended. Opportunities on-campus and in the community are abundant. Find out how to get involved at <http://oregonstate.edu/precollege/>.

Other education opportunities may be found under the Education sections at:

<http://biology.science.oregonstate.edu/research-internships-volunteering-and-jobs>