

ECOLOGY, EVOLUTION, AND CONSERVATION OPTION

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

- Botany - College of Agricultural Sciences (<http://catalog.oregonstate.edu/college-departments/agricultural-sciences/botany-plant-pathology/botany-bs-hbs/>)

The option in Ecology, Evolution, and Conservation (EEC) combines 4 required advanced BOT undergraduate courses in aspects of ecology, environmental plant physiology, and plant diversity, with at least 3 elective courses drawn from a list of BOT, BI, FES, FW and ST courses covering population dynamics, symbiosis, restoration, and conservation. To encourage students in the option to learn actively and obtain practical skills, up to 3 credits of approved Experiential Learning can be applied to the option. The EEC option courses are all approved electives within the BOT major. The core course requirements of the BOT major are not changed by doing the option, and no additional course credits are required to complete it.

Option Code: 934

The total requirements of the Botany Core are shown in the university catalog. The BOT core includes courses in ecology, physiology, evolution, systematics, statistics, and genetics that form the general background in this area of botany. Outside of the core courses, The option required courses (A list) include advanced physiology and ecology courses, a WIC course (BOT 323 or BI 371) can be used for both WIC and option requirements, and a choice plant diversity courses. The B list electives offer the student a broad range of theoretical, applied, molecular, and quantitative classes.

Code	Title	Credits
A. Required Courses		
BOT 323 or BI 371	*FLOWERING PLANTS OF THE WORLD *ECOLOGICAL METHODS	3
BOT 416 or BOT 425	AQUATIC BOTANY FLORA OF THE PACIFIC NORTHWEST	3-4
BOT 442	PLANT POPULATION ECOLOGY	3
BOT 488	ENVIRONMENTAL PHYSIOLOGY OF PLANTS	3
B. Select at least 9 additional credits of the following:		
BI 301	*HUMAN IMPACTS ON ECOSYSTEMS	
BI 358	SYMBIOSES AND THE ENVIRONMENT	
BI 456	PHYLOGENETICS	
BOT 475	COMPARATIVE GENOMICS	
FES 445/FW 445	ECOLOGICAL RESTORATION	
FES 452/FW 452	BIODIVERSITY CONSERVATION IN MANAGED FORESTS	
FW 320	INTRODUCTORY POPULATION DYNAMICS	
FW 321	APPLIED COMMUNITY AND ECOSYSTEM ECOLOGY	
Up to 3 credits of approved Experiential Learning		
Other courses with advisor approval		
Total Credits		21-22

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Baccalaureate Core Course (BCC)

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Writing Intensive Course (WIC)

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