## WILDFIRE SCIENCE AND MANAGEMENT CERTIFICATE, UNDERGRADUATE

The Wildfire Science and Management Certificate provides regional and local community members the opportunity to complete the training locally.

## **Required Core Courses**

GEOS/BIOL 306WILDLAND FIRE ECOLOGYSGEOS 323GEOGRAPHIC INFORMATION SYSTEMS I: SPATIAL ANALYSIS FOR ENVIRONMENTAL SCIENCESS	Total Credits		30
GEOS/BIOL 306WILDLAND FIRE ECOLOGYSGEOS 323GEOGRAPHIC INFORMATION SYSTEMS I: SPATIAL ANALYSIS FOR ENVIRONMENTAL SCIENCESSElectives-choose courses from within the Geosciences department and/or outside the department that meet the approval of the Geoscience program director.18GEOS/BIOL 312FUNDAMENTALS OF SOIL SCIENCE 31218GEOS 314WEATHER FORECASTING18GEOS 325WETLAND SCIENCE I19GEOS 421DENDROCHRONOLOGY10GEOS 435INTRODUCTION TO QGIS10GEOS 490ASENIOR CAPSTONE: WATER AND THE WEST, WATER RESOURCES IN ARID LANDS10Any related GEOS course with the approval of GEOS faculty member(s) who normally teach it10	PLAN 440	LAND USE PLANNING	
GEOS/BIOL 306 WILDLAND FIRE ECOLOGY S   GEOS 323 GEOGRAPHIC INFORMATION SYSTEMS I: SPATIAL ANALYSIS FOR ENVIRONMENTAL SCIENCES S   Electives-choose courses from within the Geosciences department and/or outside the department that meet the approval of the Geoscience program director. 15   GEOS/BIOL 312 FUNDAMENTALS OF SOIL SCIENCE 312 15   GEOS 314 WEATHER FORECASTING 16   GEOS 315 WATER RESOURCES 16   GEOS 421 DENDROCHRONOLOGY 17   GEOS 435 INTRODUCTION TO QGIS 18   GEOS 490A SENIOR CAPSTONE: WATER AND THE WEST, WATER RESOURCES IN ARID LANDS 18   Any related GEOS course with the approval of GEOS faculty 19	Planning		
GEOS/BIOL 306 WILDLAND FIRE ECOLOGY 5   GEOS 323 GEOGRAPHIC INFORMATION SYSTEMS I: SPATIAL ANALYSIS FOR ENVIRONMENTAL SCIENCES 5   Electives-choose courses from within the Geosciences department and/or outside the department that meet the approval of the Geoscience program director. 18   GEOS/BIOL 312 FUNDAMENTALS OF SOIL SCIENCE 312 18   GEOS 314 WEATHER FORECASTING 14   GEOS 315 WATER RESOURCES 14   GEOS 421 DENDROCHRONOLOGY 14   GEOS 435 INTRODUCTION TO QGIS 14   GEOS 490A SENIOR CAPSTONE: WATER AND THE WEST, WATER RESOURCES IN ARID LANDS 14	•		
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	GEOS 323		5
	GEOS/BIOL 306	WILDLAND FIRE ECOLOGY	5
GEOS 100 DISCOVERING GEOLOGY	GEOS 100	DISCOVERING GEOLOGY	5

**Total Credits** 

30