CERTIFICATE IN WILDLAND RESOURCES AND FORESTRY

A certificate of achievement in Wildland Resources and Forestry prepares students for pre-professional careers and transfer into a four-year university leading to a baccalaureate degree in such areas as:

- biology,

- botany,

- conservation,

- ecology,

- education,

- environmental science,

- forestry,

- horticulture,

- organismal biology,

- natural resources,

- rangeland management,

- recreation,

- soil science,

- wildland fire management,

- wildlife management.

The Wildland Resources and Forestry student is also prepared to enter professional programs/careers of specialized study/work in such areas as:

- agriculture,

- conservation biology,

- resource ecology,

- entomology,

- environmental protection,

- fisheries and wildlife,

- forest management,

- hydrology,

- limnology,

- natural resource,

- naturalist,

- park ranger,

- soil science,

- silvicultural practice,

- wildlife law enforcement

- zoology.

Those students who do not intend to transfer may take the courses for either direct vocational application or for general interest.

Learning Outcomes

Certificate of Achievement Level Student Learning Outcomes

Students completing the Wildland Resources and Forestry Certificate of Achievement will:

1. Express knowledge of scientific terminology as it relates to the management of wildland and other renewable resources.
2. Collect data and interpret data, tables and graphs to demonstrate an understanding of the types of data available in the realm of wildland resources.
3. Generate scientific hypotheses to distinguish between scientific and non-scientific questions and methods that relate to wildland resources to meet the emerging mandates for conservation, biodiversity, ecosystem management, and long-term sustainability.
4. Examine how human activities have contributed to changes in the wildland environment to better understand and discuss past, current, and future issues related to wildland resources.
5. Select and use the appropriate scientific apparatus.

Requirements

Code	Title	Units
Required courses:		
ESCI 180	Introduction to Geographic Information Systems	4
FOR 101	Introduction to Forestry	3
FOR 102	Introduction to Forest Ecology	3
FOR 103	Plant Identification	3
FOR 104	Introduction to Outdoor Recreation	3
FOR 105	Wildland Fire Management	3
FOR 106	Principles of Wildlife Management and Ecology	3
Total Units		**22**

Curriculum Map

1.5-Year Curriculum Map Example

This map represents one possible pathway through the program and is only for reference.

*It is highly recommended that you make an appointment (https://www.citruscollege.edu/stdntsrv/counsel/Pages/ApptSchedule.aspx) to create a customized education plan that fits your needs.

Note: Co-requisite MATH course (2 units) and/or substitute ENGL 101E (5 units) may be needed based on placement.

Course	Title	Units
Fall Term 1		
FOR 101	Introduction to Forestry	3
FOR 105	Wildland Fire Management	3
ENGL 101 or ENGL 101H	Reading and Composition or Reading and Composition - Honors	4
FOR 102 or FOR 104 or FOR 106	Introduction to Forest Ecology or Introduction to Outdoor Recreation or Principles of Wildlife Management and Ecology	3
	Units	**13**
Winter Term 1		
MATH 165 or MATH 165H or MATH 180	Introductory Statistics or Introductory Statistics - Honors or Calculus for Business and Social Sciences	4
	Units	**4**
Spring Term 1		
FOR 103	Plant Identification	3
ESCI 180	Introduction to Geographic Information Systems	4
Take two electives not chosen in fall.		
FOR 102 or FOR 104 or FOR 106	Introduction to Forest Ecology or Introduction to Outdoor Recreation or Principles of Wildlife Management and Ecology	6
	Units	**13**
	Total Units	**30**

Career Information

Career Opportunities

There are a variety of careers you can do with this major.

To explore more about this major, schedule an appointment (https://www.citruscollege.edu/stdntsrv/ctcenter/Pages/ApptSchedule.aspx) with a career counselor.