

A.S. IN WILDLAND RESOURCES AND FORESTRY

An associate degree in the Wildland Resources and Forestry program at Citrus College prepares students for a variety of pre-professional careers and a transferrable curriculum 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 and wildlife management.

The wildland resources and forestry student is prepared to enter graduate or professional programs/careers of specialized study/work in such areas as arboriculture, 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, and zoology.

Learning Outcomes

A.S. Degree Level Student Learning Outcomes

Students completing the Wildland Resources and Forestry A.S. Degree will:

1. Express knowledge of scientific terminology as it relates to the management of wildland, renewable, and ecological resources.
2. Interpret data, tables and graphs to demonstrate an understanding of the types of data available in the realm of wildland resources.
3. Distinguish between scientific and non-scientific questions and methods that relate to wildland resources to meet the emerging mandates for conservation, biodiversity, and ecosystem health.
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.

Requirements

Students receiving this degree must meet the following requirements:

1. Complete the District General Education Pattern (<http://catalog.citruscollege.edu/programs-study/graduation-requirements-associate-degree/general-education-requirements-option-i/>), CSUGE (<http://catalog.citruscollege.edu/programs-study/graduation-requirements-associate-degree/general-education-requirements-transfer-csu-csuge-option-ii/>) or IGETC (<http://catalog.citruscollege.edu/programs-study/graduation-requirements-associate-degree/general-education-requirements-transfer-csu-uc-igetc-option-iii/>).

If transferring to a CSU or UC students are strongly recommended to complete the CSUGE or IGETC General Education Patterns. Students looking to transfer to an out of state or private college should consult with a counselor for the appropriate GE pattern selection.

2. Complete with a "C" or better each course as specified by the major.
3. Maintain an overall GPA of a 2.0 or better in all degree applicable coursework.

4. Meet the local area requirement of Kinesiology/Dance.
5. Meet the 12-unit residency requirement.

Code	Title	Units
Required courses:		
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
ESCI 180	Introduction to Geographic Information Systems	4
Select one (1) course from the following:		
MATH 165 or MATH 165H	Introduction to Statistics ¹ Introduction to Statistics - Honors	4
MATH 180	Calculus for Business and Social Sciences ²	4
MATH 190	Calculus with Analytic Geometry I	5
Select one (1) course from the following:		
BIOL 105 or BIOL 105H	General Biology General Biology - Honors	4
BIOL 124	Molecular and Cellular Biology	5
BIOL 125	Evolution, Ecology & Biodiversity	5
Select one (1) course from the following:		
CHEM 110	Beginning General Chemistry	5
CHEM 111	General Chemistry I	5
ESCI 120	Physical Geology	4
Select one (1) course from the following:		
NAT 180A	Natural History Series - Death Valley	2
NAT 180B	Natural History Series - Deserts	2
NAT 181A	Natural History Series - Coastlines	2
NAT 181B	Natural History Series - Coastal Mountains and Islands	2
NAT 182A	Natural History Series - Inland Mountains	2
NAT 182B	Natural History Series - Inland Valleys	2
Total Units		36-39

¹ MATH 165 is degree applicable with or without MATH 065. If taken with MATH 065, only the units for MATH 165 will be counted towards the degree.

² MATH 180 is degree applicable with or without MATH 080. If taken with MATH 080, only the units for MATH 180 will be counted towards the degree.

Curriculum Map

2-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/stdntsrvcounsel/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
CHEM 110 or CHEM 111 or ESCI 120	Beginning General Chemistry or General Chemistry I or Physical Geology	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
ENGL 104 or ENGL 104H	Argumentative Writing and Critical Thinking or Argumentative Writing and Critical Thinking - Honors	3
Units		13
Summer Term 1		
HIST 107 or HIST 107H or HIST 108 or HIST 108H or HIST 160	History of the United States before 1877 or History of the United States before 1877 - Honors or History of the United States since 1877 or History of the United States since 1877 - Honors or History of Women in the United States	3
ARCH 250 or ARCH 251 or ART 100 or ART 105 or ART 108 or ART 110 or ART 199 or ART 199H or DANC 102 or MUSE 113 or THEA 101 or THEA 101H	History of Architecture: Prehistory to Mannerism or History of Architecture: Baroque to the Present Day or Art History - Fundamentals of Global Art History or Art History - Topics in Contemporary Art or History of Photography or Introduction to the Visual Arts or Motion Picture Appreciation or Motion Picture Appreciation - Honors or History of Dance or History of Rock and Roll or Introduction to Theatre Arts or Introduction to Theatre Arts - Honors	3
Units		6
Fall Term 2		
ETHN 101 or ETHN 116	Introduction to Ethnic Studies or Introduction to Chicano/Latino Studies	3

Course	Title	Units
NAT 180A or NAT 180B or NAT 181A or NAT 182A or NAT 182B	Natural History Series - Death Valley or Natural History Series - Deserts or Natural History Series - Coastlines or Natural History Series - Inland Mountains or Natural History Series - Inland Valleys	2
BIOL 105 or BIOL 105H or BIOL 124 or BIOL 125	General Biology or General Biology - Honors or Molecular and Cellular Biology or Evolution, Ecology & Biodiversity	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		12
Winter Term 2		
POLI 103 or POLI 103H	American Government and Politics or American Government and Politics - Honors	3
Units		3
Spring Term 2		
BIOL 145	Environmental Science	3
ESCI 180	Introduction to Geographic Information Systems	4
ANTH 210 or ANTH 210H or PSY 101 or PSY 101H or SOC 201 or SOC 201H	Introduction to Cultural Anthropology or Introduction to Cultural Anthropology - Honors or Introduction to Psychology or Introduction to Psychology - Honors or Introduction to Sociology or Introduction to Sociology - Honors	3
KIN 170 or KIN 171 or KIN 171H or KIN 173	Fitness for Life or Health and Wellness in Society or Health and Wellness - Honors or Introduction to Nutrition	3
SPCH 100 or SPCH 100H or SPCH 101 or SPCH 101H or SPCH 106	Interpersonal Communication or Interpersonal Communication - Honors or Public Address or Public Address - Honors or Small Group Communication	3
Units		16
Total Units		67

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/stdntsrvcounsel/Pages/](https://www.citruscollege.edu/stdntsrvcounsel/Pages/ApptSchedule.aspx)ApptSchedule.aspx) with a career counselor.