UNITY COLLEGE
Distance Education

# B.S. IN WILDLAND FIRE SCIENCE AND MANAGEMENT
# UNOFFICIAL CHECKSHEET

**Student Name / Total Transfer Credits / Checksheet Date**

## Graduates of the B.S. in Wildland Fire Science and Management will be able to:

+ **Explain** the impact of fire on naturally occurring processes in wildland ecosystems, including water and mineral cycles, energy flow, and plant and animal succession.
+ **Develop** strategic and operational plans for the use of fire in wildland ecosystems management.
+ **Demonstrate** knowledge of laws and policies governing the management and restoration of public and private wildlands.
+ **Recognize** and consider the influence of culture and the needs of diverse entities on strategies for wildland fire management.

## General Education Core

- ☐ **BIOL 103** Biology: Foundations of Life
- ☐ **BIOL 104** Biology: Foundations of Life Lab
- ☐ **BIOL 105** Biological Diversity, Ecology, and Evolution
- ☐ **BIOL 106** Biological Diversity, Ecology, and Evolution Lab
- ☐ **CHEM 101** Chemistry I
- ☐ **CHEM 102** Chemistry I Laboratory
- ☐ **COMM 101** Writing for Environmental Professionals OR **COMM 201** Multimedia Communication for Environmental Professionals
- ☐ **COMM 303** Communicating to Stakeholders OR **COMM 403** Environmental Crisis Communication
- ☐ **ENVS 201** The Warming Planet: Understanding Climate Change
- ☐ **MATH 201** Statistics for Environmental Professionals
- ☐ **PHYS 201** Physics 1
- ☐ **PHYS 202** Physics 1 Lab
- ☐ An Arts course
- ☐ A Humanities course
- ☐ A Language course
- ☐ A Social Science course

## Environmental Professional Core

- ☐ **EVPC 101** Professional Skills
- ☐ **EVPC 201** Environmental Issues: Deforestation, Biodiversity Loss, and Overpopulation OR **EVPC 202** Environmental Issues: Energy, Water Scarcity, and Waste
- ☐ **EVPC 301** Environmental Justice OR **EVPC 305** Building a Better World: Ethical Decision-Making
- ☐ **EVPC 401** Transformational Leadership
- ☐ **EVPC 490** Transdisciplinary Capstone

## Program Core

- ☐ **BIOL 201** Organisms that Sustain the Earth: Understanding Plants
- ☐ **BIOL 203** Ecological Principles: Applications to Conservation and Wildlife
- ☐ **BIOL 335** Ecology of Fire-Dependent Ecosystems
- ☐ **BIOL 340** Forest Ecology
- ☐ **BIOL 345** Rangeland Ecosystems
- ☐ **ENCJ 305** Natural Resource Law and Policy
- ☐ **ENVJ 310** Fire and Culture
- ☐ **ESCI 201** Meteorology
- ☐ **ESCI 405** Wildland Fire Operations & Planning
- ☐ **EVHS 210** Fire Protection and Safety
- ☐ **GISC 101** Introduction to Geographic Information Systems (GIS)
- ☐ **GISC 201** Geographic Information Systems for a Changing World
- ☐ **GISC 405** GIS Applications in Fire Ecology

## General Electives

- ☐ 26 credits of general electives*

## College Wide Requirements

A minimum of 120 earned credit hours, 30 credits at the 300 level or above, a minimum of 30 credits earned at Unity, and an overall cumulative GPA of 2.0 or above