

# Career Technical Education

## Environmental Science

Course Title	Prerequisite	Grade Level	Length of Course	Credits Per Year	Meets Graduation Requirement in:
<b>Intro to Natural Resource Management</b>	<b>None</b>	<b>9-12</b>	<b>1 Semester</b>	<b>0.5</b>	<b>CTE, EL</b>

If you enjoy hunting, fishing, wildlife viewing or learning about nature, this class may be for you! This course will expose students to the field of Natural Resource Management through the exploration of both renewable resources such as soil, forest, water and wildlife and non-renewable resources such as fossil fuel, metal and minerals. Lessons throughout this course will include hands on activities, labs and at least two field trips. Students will discover the value of our natural resources and how to manage and use them wisely.

<b>Forest Products</b>	<b>None</b>	<b>11-12</b>	<b>1 Semester</b>	<b>0.5</b>	<b>SC, CTE, EL, HD</b>
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Opportunity for advanced students to take what they have learned in Forest Management and apply it to producing forest products.

<b>Wildland Identification &amp; Survey Techniques</b>	<b>None</b>	<b>11-12</b>	<b>1 Semester</b>	<b>0.5</b>	<b>SC, CTE, EL, HD</b>
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**\*Dual credit option from COCC: FOR 110 - 2 credits - \$ To receive credit from COCC, there is a fee to the college**  
Introduction to wildlife management, ecology and survey techniques, through hands on labs and field experiences.

<b>Wilderness and Recreation</b>	<b>None</b>	<b>11-12</b>	<b>1 Semester</b>	<b>0.5</b> <b>*See below</b>	<b>SC, CTE, EL, HD</b>
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**\*Dual Credit Option from COCC: FOR 195 – 2 credits; \$ To receive credit from COCC, there is a fee to the college**  
Is the call of the wild drawing you to understand more about wilderness areas and where to go for great backpacking trips? Are you interested in the role of recreation in a healthy community? If so, and you are interested in getting out into the wilderness and trying your hand at some recreational adventures, then sign up for this class. We take at least two trips with natural resource management professionals into wilderness areas surrounding Prineville. The course content focuses on wilderness management concepts by describing the human-nature relationship and how this applies to wilderness and the basic concepts of ecosystems. We examine the basic principles of wilderness and recreation management and their application to real-life management situations including the natural roles of fire, insects, disease and other events in wilderness ecosystems. You will study the concept of wilderness and characterize the role of scientific research in wilderness. You will complete field lab reports and do professional journal article reviews. Having this course on your transcript will give you a distinct advantage when applying for a summer job on a trail crew and could lead you beyond that to a career in the wilderness!

# Science

## Natural Resource Management

Course Title	Prerequisite	Grade Level	Length of Course	Credits Per Year	Meets Graduation Requirement in:
<b>Wilderness and Recreation</b>	<b>None</b>	<b>11-12</b>	<b>1 Semester</b>	<b>0.5</b> <b>*See below</b>	<b>SC, CTE, EL, HD</b>

**\*Dual Credit Option from COCC: FOR 195 – 2 credits; \$Course Fee: \$15 per credit = 2 credits for \$30!**

Is the call of the wild drawing you to understand more about wilderness areas and where to go for great backpacking trips? Are you interested in the role of recreation in a healthy community? If so, and you are interested in getting out into the wilderness and trying your hand at some recreational adventures, then sign up for this class. We take at least two trips with natural resource management professionals into wilderness areas surrounding Prineville. The course content focuses on wilderness management concepts by describing the human-nature relationship and how this applies to wilderness and the basic concepts of ecosystems. We examine the basic principles of wilderness and recreation management and their application to real-life management situations including the natural roles of fire, insects, disease and other events in wilderness ecosystems. You will study the concept of wilderness and characterize the role of scientific research in wilderness. You will complete field lab reports and do professional journal article reviews. Having this course on your transcript will give you a distinct advantage when applying for a summer job on a trail crew and could lead you beyond that to a career in the wilderness!

<b>Forest Management</b>	<b>None</b>	<b>11-12</b>	<b>2 semesters</b>	<b>1.0</b> <b>*See below</b>	<b>SC, CTE, EL, HD</b>
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**\*Dual Credit Option from COCC: FOR 111 – 4 credits; \$Course Fee: \$15 per credit = 4 credits for \$60!**

If you want to spend afternoons in the field working to restore a stream, planting trees, taking water quality samples and working on juniper removal projects, then don't miss this class. This course requires field trips to view timber harvesting and sawmill operation and learning how to do timber cruising or measuring tree stand volumes. The extended watershed field afternoons could lead to you being awarded a "Watershed Steward Certificate" presented at the annual awards ceremony for your participation in these events for the entire school year. Field lab reports are required for all field-related activities. This is a great resume builder and could lead to a job shadow or internship opportunity to jump start your career in natural resource management. The in-class content will give you an introduction to the entire field of forestry. Outcomes will focus on past and present uses of the forest; distinguishing between conservation, preservation and environmentalism; describing forest regions of the United States; comparing and contrasting the influences of Gifford Pinchot and John Muhr; understanding the U.S. Forest Service, Bureau of Land Management and Oregon Department of Forestry organizations. You will also gain valuable exposure to guest speakers from the forestry profession as well as develop a working vocabulary related to forest management and practices. All these gained skills add up to a great advantage for your entry into a college natural resource program or to a great summer job out in the woods.