

COLLEGE OF FORESTRY

2023–2024 UNDERGRADUATE

ADVISING GUIDE

TOURISM, RECREATION +
ADVENTURE LEADERSHIP



Oregon State
University

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B.S. in Tourism, Recreation and Adventure Leadership

The Bachelor of Science (BS) in Tourism, Recreation and Adventure Leadership (TRAL) prepares students to meet the challenges of providing quality recreation opportunities while maintaining the ecological integrity of natural resources. The curriculum produces students proficient in recreation behavior, recreation planning and management, environmental interpretation, wilderness management, resource economics, communication, and resource analysis and policy. The curriculum provides a mix of physical and social sciences, resource management (including wildlife, range, and forestry), and quantitative methods.

The TRAL program explores the importance of tourism and recreation in natural settings for community development, human health and quality of life, and the sustainable use of natural resources. Students will learn about management practices and public preferences to address contemporary tourism, recreation and outdoor leadership opportunities, and issues in natural settings. Studies include decision making within applicable laws and across cultural contexts, as well as communication to a variety of audiences, and successful supervision of employees and volunteers.

The TRAL program covers best practices for planning, developing, and managing recreation resources in natural settings. Students learn to evaluate and integrate experiential, economic, biophysical, and social concepts. They study interaction across natural resources and the consequences of development, management, and marketing decisions.

The TRAL Core curriculum introduces studies in communication, management, research methods, recreation and tourism planning, and sustainability. Each student chooses an option where they specialize for greater depth.

Many laboratory courses take place in the College of Forestry's Research Forests. Students can also apply for domestic and international exchange programs for travel and learning opportunities.

TRAL graduates should expect to find employment as managers and planners for federal agencies such as the U.S. Forest Service, the National Park Service, or the Bureau of Land Management. Others will find positions as recreation consultants, recreation guides for river rafting and sea kayaking companies, or as rangers, naturalists, resource planners, environmental educators, wilderness managers, conservation law enforcement officers, ecotourism planners, or nature-based tourism specialists.

Tourism, Recreation & Adventure Leadership Options

Completion of an approved option is required for the Tourism, Recreation, and Adventure Leadership degree. Students must declare an option by the **end of the sophomore year, or at least six (6) terms prior to graduation**. Courses for the option are in addition to the core curriculum. Some courses may require prerequisites not included in the core curriculum.

There are four unique options available to students within the TRAL major.

Corvallis Campus Options	Cascades Campus Options
Outdoor Recreation Management	Adventure Leadership Education
Sustainable Tourism Management	Nature, Eco, and Adventure Tourism

Corvallis campus options:

Outdoor Recreation Management - Designed for students pursuing careers as outdoor recreation planners and managers in public land management agencies and non-profit organizations at local, state, and federal levels. Students study land management, the process of permitting, and laws relevant to outdoor recreation. They create monitoring and assessment protocols for recreation resources in natural settings, and they learn to respectfully engage with individuals and groups that may have diverse perspectives and priorities regarding recreation opportunities. Students are trained to facilitate understanding and conflict resolution across these individuals and groups.

Sustainable Tourism Management - Designed for students pursuing careers as tourism destination planners, developers, and marketers in government, non-profit, or the private sector, in both domestic and international locations. This option applies business concepts to tourism, and explains best practices for planning, developing, and managing sustainable nature-based tourism. Students understand issues of equity and justice in the context of the tourism industry, apply business and marketing principles, create marketing strategies, and explain land management goals and permit processes. They learn to plan, develop and manage sustainable nature-based tourism in a manner that integrates experiential, economic, biophysical, and social data. They explore the consequences of development of natural resources in domestic and international tourism.

Cascades campus options:

Nature, Eco, and Adventure Tourism (NEAT) - Designed for students pursuing careers as managers or owners and guides in outfitter-guide and other natural resource based commercial recreation businesses (i.e., micro-level tourism). Students learn how to use business and natural resources skills to operate tourism companies specializing in creating outdoor experiences for members of the public. Students develop skills for effective decision-making and providing safe experiences in complex and dynamic environments.

Adventure Leadership Education (ALE) - Designed for students pursuing careers as educators, guides and managers/owners in the outdoor and adventure education field. With nature as the classroom, students learn how to educate others about the outdoors and guide them through life-changing outdoor experiences.

TRAL Program Learning Outcomes

- TRAL 1: Explain the importance of tourism, recreation, and leadership in natural settings for achieving societal goals, such as community development, human health and quality of life, and sustainable use of natural resources.
- TRAL 2: Identify, analyze, and apply the best available information on science, management practices, and public preferences to address contemporary tourism, recreation, and outdoor leadership opportunities and issues in natural settings. In the process:
- appropriately apply relevant disciplinary theories;
 - demonstrate critical thinking and reasoning;
 - explain issues and outcomes across experiential, economic, biophysical, and social dimensions;
 - access, analyze, and apply relevant data; and
 - locate and use expertise and resources provided by resource specialists from different organizations and constituencies.
- TRAL 3: Make nature-based tourism, recreation, and outdoor leadership decisions within applicable laws, policies, and regulations, and across cultural and geographical contexts.
- TRAL 4: Communicate effectively to a variety of audiences in appropriate formats.
- TRAL 5: Work effectively and professionally in groups, both as leaders and followers.
- TRAL 6: Understand principles and methods for successful supervision of employees and / or volunteers.

Outdoor Recreation Management Option Learning Outcomes – Corvallis Campus

- ORM 1: Explain best practices for planning, development, and managing recreation resources in natural settings in a matter that:
- evaluates interaction with other natural resources values (e.g. fish and wildlife, water quality, forest health, range, watershed); and
 - evaluates the diverse consequences (quantitative and qualitative, direct and indirect, immediate and cumulative) of development, management, and marketing decisions.
- ORM 2: Explain land management agency or organization goals, the process for issuing special use permits, and laws relevant to providing outdoor recreation opportunities for diverse stakeholders including the public.
- ORM 3: Create monitoring and assessment protocols for recreation resources in natural settings.
- ORM 4: Engage respectfully with individuals and groups that may have diverse perspectives and priorities regarding recreation opportunities, and facilitate understanding and conflict resolution across these individuals and groups.

Sustainable Tourism Management Option Learning Outcomes – Corvallis Campus

- STM1: Apply business concepts to the tourism context, including:
- create a business plan for a new tourism-related business or product;
 - apply business law principles;
 - create a marketing strategy for a tourism-related business or product;
 - create and/or interpret financial statements; and
 - explain land management agency goals and permit processes relevant to tourism-related activities on public land.
- STM 2: Explain best practices for planning, developing, and managing sustainable nature-based tourism in a manner that:
- evaluates the diverse consequences (quantitative and qualitative, direct and indirect, immediate and cumulative) of development, management, and promotion strategies and decisions; and
 - applies an understanding of scale and community linkages in both domestic and international tourism.
- STM 3: Create monitoring and assessment protocols for tourism.
- STM 4: Engage respectfully with individuals and groups that may have diverse perspectives and priorities regarding tourism development, and facilitate understanding and conflict resolution across these individuals and groups.

Adventure Leadership Education Option Learning Outcomes – Cascades Campus

ALE 1: Develop the knowledge, skills, and dispositions to create, plan, teach, and evaluate a series of progressive water- or land-based educational experiences for self and others (including experiences of multi-week duration) based on knowledge of trip design and planning, the psychology of client experiences (including inter-member and member-leader dynamics), pedagogy, and participant feedback (qualitative and quantitative).

ALE 2: Create a risk management plan for an outdoor / adventure education opportunity.

ALE 3: Demonstrate the ability to teach advanced technical skills relevant to effective and safe expeditionary and wilderness travel on land and/or water environments

ALE 4: Acquire internationally recognized skills and/or teaching certifications in land and/or water disciplines.

ALE 5: Explain land management agency goals and permit processes relevant to outdoor leadership / adventure education activities on public land

Nature, Eco, and Adventure Tourism Option Learning Outcomes – Cascades Campus

NEAT 1: Apply business concepts to the nature and adventure tourism context, including:

- a. create a business plan for a new business or product;
- b. create a marketing strategy for a business or product;
- c. create and / or interpret financial statements;
- d. explain land management agency goals and permit processes relevant to tourism-related activities on public land; and
- e. create a risk management plan.

NEAT 2: Create and refine nature and adventure tourism experiences based on knowledge of trip planning, the psychology of client experiences (including inter-member and member-leader dynamics), and client feedback (qualitative and quantitative).

NEAT 3: Apply technical skills relevant to backcountry travel and safety.

Corvallis Campus Advising Guide



Outdoor Recreation Management Option & Sustainable Tourism Management Option

Tourism, Recreation & Adventure Leadership Curriculum

Projected course terms subject to change – see Schedule of Classes for most current information.

TRAL Core –one course per category:

Course Number	Title	Cr.	Corvallis Campus	Distance Campus	Prerequisites / Notes
COMM 111Z*	Public Speaking	4	F, W, SP, SU	F, W, SP, SU	
COMM 114*	Argument & Critical Discourse	3	F, W, SP	F, W, SP, SU	
TRAL 353	Nature, Eco, & Adventure Tourism	4	F		
TRAL 352	Wilderness Management	3		F, W, SP, SU	
TRAL 357*	Parks & Protected Areas Management	3	F		
FES 444	Ecological Aspects of Park Mgmt.	3			Not currently offered
FES 422	Research Methods in Social Science	4	W	SP	ST 201 or 243Z or ST 351
FES 485*	Consensus in Natural Resources	3	SP	F	Required in ORM/STM options
ANTH 481*	NR & Community Values	3		F, W, SP, SU	
FW 340*	Multicultural Perspectives in NR	3		F, W, SP, SU	
FW 350*	Endangered Species, Soc., & Sust.	3	F	F, W, SP, SU	
SOC 481*	Society & Natural Resources	4	SP	F, W, SP, SU	SOC 204
WGSS 440*	Women & Natural Resources	3		F, SP, SU	
FES 202	Software Apps in Social Sci. Research	3	SP		ST 201 or 243Z
TRAL 493	Environmental Interpretation	4	SP	F, W, SU	JR/SR standing required for Corvallis campus section
ST 243Z	Principles of Statistics	4	F, W, SP	F, W, SP, SU	HS algebra recommended
SUS 350*	Sustainable Communities	4	F, SP	F, W, SP, SU	
WR 121Z*	English Composition	4	F, W, SP, SU	F, W, SP, SU	Enrollment by alpha-section

Major Requirements that also fulfill a Baccalaureate Core requirement are marked with an asterisk (*).

Courses in gray may not be available to Corvallis Campus students.

All TRAL students complete the core courses *and* the courses for one of the options to further specialize their study. Declaration of the option should be done as early as possible, and no later than the end of the sophomore year. Courses for the option are in addition to courses for the core. Some courses may require prerequisites not included in the curriculum.

Outdoor Recreation Management Option

Students must complete one course in each category of the Option, and these courses must be unique from those used in the TRAL Core.

Outdoor Recreation Management Requirements – one course per category

Course Number	Title	Cr.	Corvallis Campus	Distance Campus	Prerequisites /Notes
ECON 201*	Introduction to Microeconomics	4	F, W, SP	F, W, SP, SU	MTH 111Z recommended
ECON 202*	Introduction to Macroeconomics	4	F, W, SP	F, W, SP, SU	MTH 111Z recommended
AEC 250*	Introduction to Environmental Econ & Policy	4	SP	F, W, SP, SU	MTH 111Z recommended
FES 240*	Forest Biology	4	F, SP	F, SP, SU	JR/SR standing required FES 240 or BI 223
FES 452	Biodiversity Conservation in Managed Forests	3	W	F	
FES 341	Forest Ecology	3	F, W	F, W, SP	
FES 440	Wildland Fire Ecology	3	W	W, SP	
FOR 346	Topics in Wildland Fire	3	SP	W, SP	
TRAL 251	Recreation Resource Management	4	F	SP	
TRAL 351	Outdoor Rec. Management on Public Lands	3	W		TRAL 251
TRAL 354	Communities, Nat. Areas, & Sust. Tourism	3	W		
AEC 351*	Natural Resource Economics & Policy	3	W	F, SP	AEC 250 or ECON 201
AEC 352*	Environmental Economics & Policy	3	F, SP	F, W, SP, SU	AEC 250 or ECON 201
TRAL 432	Economics of Recreation Resources	3	SP		ECON 201 and ST 243Z rec.
TRAL 456	Planning for Sustainable Recreation	4	W		TRAL 251
FES 485*	Consensus and Natural Resources	3	F, W	F, W, SP, SU	
FOR 460^	Forest Policy	4	W		JR/SR standing required
ENSC 321^	Environmental Case Studies	3		F, SU	Formerly ENSC 479
FW 439^	Human Dimensions of FW Management	3		F	FW majors get priority
WR 462^	Environmental Writing	4	SP	W	WR 121Z
FW 251	Principles of Fish & Wildlife Conservation	3	W	F, W, SP, SU	
FE 257	GIS & Forest Engineering Applications	3	W	F	
GEOG 360	GIScience I: Geographic Info Sys. & Theory	4	F, W, SP	F, W, SP	
FW 303	Survey of Geographic Info Systems in Nat Res	3		F, W, SP, SU	
GEOG 452	Environmental Assessment	3	F, W	SP, SU	
FOR 111	Introduction to Forestry	3	F, SP	W, SU	
NR 201	Managing Natural Resources for the Future	3	F	F, W, SP, SU	
NR 202	Natural Resources Problems & Solutions	3	F, W	F, W, SP	
PS 477	International Environmental Politics & Policy	4	W	W, SU	
FES 486^	Public Lands Policy & Management	3	F, SP	F, W, SP, SU	
AEC 432	Environmental Law	4	SP	SP	
FOR 461	Forest Policy Analysis	3			Next offering: W'25
ST 202	Principles of Statistics	4	SP	F, W	ST 243Z
LEAD 430	Foundations of Adventure Leadership	3	F		
LEAD 442	Leadership Skills for Career Success	3		W, SU	
NMC 311	Introduction to Nonprofit Management	3		F, SU	

Major Requirements that also fulfill a Bacc Core requirement are marked with an asterisk (*).

Courses fulfilling the Writing Intensive Course (WIC) requirement are marked with (^).

Courses in gray may not be available to Corvallis Campus students.

Sample Course Plan - TRAL with Outdoor Recreation Management Option

This is a sample schedule. Actual schedules will vary from student to student based upon factors such as math placement and course availability. Students are strongly encouraged to create a personalized plan with their academic advisor. *Courses that also fulfill Bacc Core requirements are in italics.*

B.S. in Tourism, Recreation & Adventure Leadership Outdoor Recreation Management Option | 2023-2024

	Fall		Winter		Spring	
First Year	WR 121Z: <i>English Composition</i> FOR 111: Intro to Forestry or NR 201: Managing NR TRAL 251: Rec Resource Mgmt <i>Physical Science Bacc Core</i>	4 3 4 4	COMM 111Z or 114: <i>Communication</i> AEC 250: <i>Environ. Economics & Policy</i> or ECON 201: <i>Intro to Microecon</i> MTH 111Z: <i>College Algebra</i> FW 251: Prin. Fish & Wildlife Conserv. <i>HHS 231: Lifetime Fitness</i>	3-4 4 4 3 2	FES 240: <i>Forest Biology</i> <i>WR II Bacc Core</i> <i>Western Culture Bacc Core</i> Elective Course Elective Course	4 3 3 3 3
	Total Credits	15	Total Credits	15-16	Total Credits	16
Second Year	TRAL 353: Nat, Eco & Adven. Tour. ST 243Z: Principles of Statistics I <i>Bio/Phys Science Bacc Core</i> <i>Cultural Diversity Bacc Core</i>	4 4 4-5 3	SUS 350: <i>Sustainable Communities</i> TRAL 351: Out. Rec Mgmt Pub Land TRAL 354: Comm, Nat Areas, Sus Tour <i>Literature Arts Bacc Core</i> <i>PAC: Physical Activity Course</i>	4 3 3 3 1	FES 202: Tools for Research FW 340: <i>Multicult Persp In Nat Res</i> Elective Course Elective Course Elective Course	3 3 3 3 3
	Total Credits	15-16	Total Credits	14	Total Credits	15
Third Year	TRAL 357: <i>Parks & Protect. Areas Or</i> TRAL 352: <i>Wilderness Management</i> Elective Course Elective Course Elective Course Elective Course	3 4 3 3 3	FES 485: <i>Consensus and Nat Resources</i> FES 422: <i>Research Methods in Soc Sci</i> Elective Course Elective Course	3 4 4 3	TRAL 432: <i>Econ of Rec Resources</i> FW 303: <i>Survey of GIS in Nat Res</i> or GEOG 360: <i>GIS & Theory</i> ST 202: <i>Principles of Statistics II</i> Elective Course	3 3-4 4 3
	Total Credits	16	Total Credits	14	Total Credits	13-14
Fourth Year	Upper-Division Elective Course LEAD 430: <i>Found. of Advent. Lead.</i> Elective Course Elective Course	3 3 4 4	TRAL 456: <i>Planning for Sus Rec.</i> <i>FOR 460: Forest Policy</i> Elective Course Elective Course	4 4 3 4	AEC 432: <i>Environmental Law</i> TRAL 493: <i>Environ. Interpretation</i> GEOG 452: <i>Environmental Assess.</i> Elective Course Addt'l electives to reach 180 cr.	4 4 3 4 ?
	Total Credits	14	Total Credits	15	Total Credits	15+

Baccalaureate Core & Outdoor Recreation Management Option

A full listing of Bacc Core requirements can be found in the OSU Catalog: catalog.oregonstate.edu/earning-degrees/bcc/. Some Bacc Core categories can be fulfilled by courses from the TRAL major. The chart below shows the overlap between TRAL requirements and the Bacc Core.

Baccalaureate Core – one course per category

Title	Course	Cr.
Writing I	Fulfilled by WR 121Z	4
Writing II	Choose from the list	3
Speech	Fulfilled by COMM 111Z or COMM 114	3-4
Lifetime Fitness for Health	HHS 231	2
Fitness Activity	HHS 24X or PAC	1
Mathematics	MTH 105 or higher	4
Physical Science w/ Lab	Choose from the list	4-5
Biological Science w/ Lab	Can be fulfilled by FES 240	4
Add'l Physical or Biological Sci w/ Lab	Choose from the list	4-5
Cultural Diversity	Choose from the list	3
Literature & Arts	Choose from the list	3
Western Culture	Choose from the list	3
Social Processes & Institutions	Fulfilled by ECON 201, ECON 202, or AEC 250	4
Difference, Power, Discrimination	Can be fulfilled by FW 340	3
Contemporary Global Issues	Fulfilled by AEC 351, AEC 352, TRAL 357, or SUS 350	3-4
Science, Technology, Society	Fulfilled by FES 485	3
Writing Intensive Course	Fulfilled by FOR 460, ENSC 321, FES 486 or WR 462	3-4

Sustainable Tourism Management Option

Students must complete one course in each category of the Option, and these courses must be unique from those used in the TRAL Core.

Sustainable Tourism Management Requirements – one course per category

Course Number	Title	Cr.	Corvallis Campus	Distance Campus	Prerequisites /Notes
BA 260	Introduction to Entrepreneurism	4	F, W, SP	F, W, SP, SU	First Year students can't enroll
BA 432*	Environ Law, Sustainability, & Business	3		W	SUS 304 & SUS 350 required
SUS 450	Sustainability in Practice	3	F		
ECON 201*	Introduction to Microeconomics	4	F, W, SP	F, W, SP, SU	MTH 111Z recommended
ECON 202*	Introduction to Macroeconomics	4	F, W, SP	F, W, SP, SU	MTH 111Z recommended
AEC 250*	Introduction to Environmental Econ & Policy	4	SP	F, W, SP, SU	MTH 111Z recommended
TRAL 251	Recreation Resource Management	4	F	SP	
TRAL 354	Communities, Nat. Areas, & Sust. Tourism	3	W		
AEC 351*	Natural Resource Economics & Policy	3	W	F,SP	AEC 250 or ECON 201
AEC 352*	Environmental Economics & Policy	3	F, SP	F,W,SP,SU	AEC 250 or ECON 201
TRAL 432	Economics of Recreation Resources	3	SP		Rec. ECON and ST 243Z
FOR 431	Economics & Policy of Forest Wildland Fire	3		SP	ECON 201 or AEC 250
TRAL 457	Planning for Sustainable Tourism	4	SP		TRAL 251
FES 485*	Consensus & Natural Resources	3	F, W	F, W, SP, SU	
FOR 460^	Forest Policy	4	W		SR standing required
ENSC 321^	Environmental Case Studies	3	W	SP, SU	Formerly ENSC 479
BA 354^	Managing Ethics & Corp. Social Respons.	4	F, W, SP	F, W, SP, SU	COMM 111Z or 218 & WR 222 or 227Z
WR 462^	Environmental Writing	4	SP	W	WR 121Z
FE 257	GIS & Forest Engineering Applications	3	W	F	Prerequisite for GEOG 451
GEOG 360	GIScience I: Geographic Info Syst & Theory	4	F, SP	F, W	
FW 303	Survey of Geographic Info Syst in Nat Res	3		F, W, SP, SU	
GEOG 450	Land Use in the American West	3			Not currently scheduled.
SUS 304*	Sustainability Assessment	4	F	F, W, SP, SU	
ANTH 466*	Rural Anthropology	4	SP	SP	GEOG 360
ANTH 478*	Anthropology of Tourism	4		W, SP	
GEOG 451	Plan Principles & Pract. for Resilient Comm.	4	F	W	
GEOG 452	Environmental Assessment	3	W	F, SP	
SOC 381	Social Dimensions of Sustainability	4	W	F, SP	
SUS 420	Social Dimensions of Sustainability	3		W	
FOR 111	Introduction to Forestry	3	F, SP	W, SU	
NR 201	Managing Natural Resources for the Future	3	F, W	F, W, SU	
NR 202	Natural Resources Problems & Solutions	3	W	F, SP	
PS 477	International Environmental Politics & Policy	4	SP	W, SU	Next offering: W'25
AEC 432	Environmental Law	4	SP	SP	
FES 486^	Public Lands Policy & Management	3	F, SP	F, W, SP, SU	
FOR 461	Forest Policy Analysis	3			
ST 202	Principles of Statistics	4	SP	F, W	
LEAD 430	Foundations of Adventure Leadership	3	F		
LEAD 443	Leadership Through Conversations	3	F	F, SP	
NMC 311	Introduction to Nonprofit Management	3		F, SU	

Major Requirements that also fulfill a Baccalaureate Core requirement are marked with an asterisk (*)

Courses fulfilling the Writing Intensive Course (WIC) requirement are marked with (^).

Courses in gray may not be available to Corvallis Campus students.

Sample Course Plan – TRAL with Sustainable Tourism Management Option

This is a sample schedule. Actual schedules will vary from student to student based upon factors such as math placement, course availability, and option selection. Students are strongly encouraged to create a personalized plan with their academic advisor. *Courses that also fulfill Bacc Core requirements are in italics.*

B.S. in Tourism, Recreation & Adventure Leadership Sustainable Tourism Management Option | 2023-2024

	Fall		Winter		Spring	
First Year	<i>WR 121Z: English Composition</i> FOR 111: Intro to Forestry or NR 201: Managing NR TRAL 251: Rec Resource Mgmt <i>Biological Science Bacc Core</i>	4 3 4 4	<i>COMM 111Z or 114: Communication</i> <i>MTH 111Z: College Algebra</i> <i>HHS 231: Lifetime Fitness</i> <i>Western Culture Bacc Core</i> Elective Course	3-4 4 2 3 3	<i>ECON 201: Intro to Microeconomics</i> <i>WR II Bacc Core</i> <i>Cultural Diversity Bacc Core</i> Elective Course Elective Course	4 3 3 3 3
	Total Credits	15	Total Credits	15-16	Total Credits	16
Second Year	TRAL 353: Nature, Eco & Adv. Tour ST 243Z: Principles of Statistics I Elective Course <i>Bio/Phys Science Bacc Core</i>	4 4 3 4-5	<i>SUS 350: Sustainable Communities</i> TRAL 354: Comm, Nat Ar., Sus Tour <i>PAC: Physical Activity Course</i> <i>Literature Arts Bacc Core</i> Elective Course	4 3 1 3 4	TRAL 432: Econ of Rec Resources FES 202: Tools for Research ST 202: Principles of Statistics II <i>Physical Science Bacc Core</i>	3 3 4 4-5
	Total Credits	15-16	Total Credits	15	Total Credits	14-15
Third Year	TRAL 357: Parks @ Protected Areas or TRAL 352: Wilderness Management SUS 304: Sustainability Assessment BA 260: Intro to Entrepreneurship Elective Course	3 4 4 4	FES 485: Consensus @ Nat Resources FES 422: Res. Methods in Soc Sci Elective Course Elective Course Elective Course	3 4 3 3 3	FW 340: Multicult Persp In Nat Res GEOG 360: GIS & Theory TRAL 493: Environ Interpretation Elective Course	3 4 4 3
	Total Credits	15	Total Credits	16	Total Credits	14
Fourth Year	LEAD 443: Lead. Through Conv. SUS 450 Sustainable Organizations Elective Course Elective Course Elective Course	3 3 3 3 3	FOR 460: Forest Policy SOC 381 Social Dimen. of Sus. Elective Course Elective Course	4 4 3 4	TRAL 457: Planning for Sus. Tourism AEC 432: Environmental Law Elective Course Elective Course Addt'l electives to reach 180 cr.	4 4 3 3 1+
	Total Credits	15	Total Credits	15	Total Credits	15+

Baccalaureate Core & Sustainable Tourism Management Option

A full listing of Bacc Core requirements can be found in the OSU Catalog: <https://catalog.oregonstate.edu/earning-degrees/bcc/>. Some Bacc Core categories can be fulfilled by courses from the TRAL major. The chart below shows the overlap between TRAL requirements and the Bacc Core.

Baccalaureate Core – one course per category

Title	Course Number	Cr.
Writing I	Fulfilled by WR 121Z	4
Writing II	Choose from the list	3
Speech	Fulfilled by COMM 111Z or COMM 114	3-4
Lifetime Fitness for Health	HHS 231	2
Fitness Activity	HHS 24X or PAC	1
Mathematics	MTH 105 or higher	4
Physical Science w/ Lab	Choose from the list	4-5
Biological Science w/ Lab	Choose from the list	4
Add'l Physical or Biological Sci w/ Lab	Choose from the list	4-5
Cultural Diversity	Choose from the list	3
Literature & Arts	Choose from the list	3
Western Culture	Choose from the list	3
Social Processes & Institutions	Fulfilled by ECON 202	4
Difference, Power, Discrimination	Can be fulfilled by FW 340	3
Contemporary Global Issues	Fulfilled by SUS 350 or TRAL 357	3-4
Science, Technology, Society	Fulfilled by FES 485	3
Writing Intensive Course	Fulfilled by FOR 460, ENSC 321, or FES 486	3-4

Cascades Campus Advising Guide



Adventure Leadership Education Option & Nature, Eco, & Adventure Tourism Option

Cascades students taking courses online through the OSU Ecampus may need additional information to be successful in these courses. Review the Ecampus Courses webpage (<https://osucascades.edu/ecampus-courses>) to navigate taking an Ecampus class at OSU-Cascades.

Tourism, Recreation & Adventure Leadership Curriculum

Projected course terms subject to change – see Schedule of Classes for most current information.

TRAL Core –one course per category:

Course Number	Title	Cr	Cascades Campus	Distance Campus	Prerequisites /notes
COMM 111Z*	Public Speaking	4	F, W, SP,SU	F, W, SP, SU	
COMM 114*	Argument & Critical Discourse	3	SP		
TRAL 353	Nature, Eco, & Adventure Tourism	4	F		
TRAL 352	Wilderness Management	3		F, W, SP, SU	
TRAL 357*	Parks & Protected Areas Management	3			
FES 444	Ecological Aspects of Park Management	3			Not offered
FES 422	Research Methods in Social Science	4	SP	SP	ST 201 or 243Z or 351. Concurrent enrollment in FES 202 recommended
FES 485*	Consensus & Natural Resources	3	SP	F, W, SP, SU	
ANTH 481*	Natural Resources & Community Values	3		F, W, SP, SU	
FW 340*	Multicultural Perspectives in Natural Resources	3		F, W, SP, SU	
FW 350*	Endangered Species, Society, & Sustainability	3	W	F, W, SP, SU	
SOC 481*	Society & Natural Resources	4		F, W, SP, SU	
WGSS 440*	Women & Natural Resources	3		F, W, SP, SU	
FES 202	Software Tools in Social Science Research	3	SP		ST 201 or 243Z. Recommend concurrent enrollment in FES 422
TRAL 493	Environmental Interpretation	4		F, W, SU	COCC FOR 255 also accepted
ST 243Z	Principles of Statistics	4	W	F, W, SP, SU	HS algebra recommended
SUS 350*	Sustainable Communities	4	F	F, W, SP, SU	
WR 121*	English Composition	4	F, W, SP	F, W, SP, SU	

Major Requirements that also fulfill a Bacc Core requirement are marked with an asterisk ()*

Courses in gray may not be available to Cascades Campus students.

All TRAL students complete the core courses *and* the courses for one of the options to further specialize their study. Declaration of the option should be done as early as possible, and no later than the end of the sophomore year. Courses for the option are in addition to courses for the core. Some courses may require prerequisites not included in the curriculum.

Adventure Leadership Education Option

Students must complete one course in each category of the Option, and these courses must be unique from those used in the TRAL Core.

Adventure Leadership & Education Requirements

Course Number	Title	Cr.	Cascades Campus	Prerequisites/Notes
TRAL 110	Introduction to White Water Kayak	2	SP,SU	TRAL students enroll in TRAL section
TRAL 111	Introduction to Canoeing	2	SP,SU	TRAL students enroll in TRAL section
TRAL 130	Intro to Outdoor & Adventure Professions	3	F	
TRAL 132*	Foundations & History TRAL Professions	3	W	
TRAL 115	Outdoor Living Skills	2	SP	Co-req: TRAL 118
TRAL 118	Lab for Outdoor Living Skills	1	SP	Co-req: TRAL 115
TRAL 173	Intermediate Rock	2	F, SU	PAC 199 Rock Climbing or approval
TRAL 218	Rock Site Management	2	F	TRAL 173 or equivalent
TRAL 215	Group Facilitation	4	W	
TRAL 260	Intermediate Paddle Sport	2	F	TRAL/PAC 110 and 111
TRAL 270	Pre-Internship Seminar	1	F,W,SP	P/N graded
TRAL 280	Outdoor Leadership Fundamentals	3	SP	TRAL/PAC 110 and 111 and TRAL 115, 118, and 173
TRAL 370	Design & Management of Outdoor Experience	4	W	TRAL 280 or 375
TRAL 374	Outdoor & Adventure Education	3	F	TRAL 130, 132, and 215
TRAL 375^	Experiential Education	4	F	
TRAL 377	River Expeditions	5	SP	Prereqs: TRAL 260 and 370 Co-req: TRAL 379
TRAL 379	Mountain Expeditions	10	SP	Prereq: TRAL 370 Co-req: TRAL 377
TRAL 476	Risk Management in TRAL	3	W	
TRAL 479*	Nature & the Human Experience	3	W	
TRAL 30X	Choose one certification course TRAL 301, 302, 303, 304, 305, 306, 307, 308, 310, 330, or 339	2		
TRAL 410	Internship for Work Experience	6	F, W, SP, SU	P/N graded

Major Requirements that also fulfill a Bacc Core requirement are marked with an asterisk (*)

Courses fulfilling the Writing Intensive Course (WIC) requirement are marked with (^).

Some classes are cross listed as TRAL/PAC. Either prefix will complete the requirement, and TRAL students are recommended to take the TRAL sections.

Sample Course Plan - TRAL with Adventure Leadership Education

This is a sample schedule. Actual schedules will vary from student to student based upon factors such as math placement, course availability, and option selection. Students are strongly encouraged to create a personalized plan with their academic advisor. *Courses that also fulfill Bacc Core requirements are in italics.*

B.S. in Tourism, Recreation & Adventure Leadership Adventure Leadership Education | 2023-2024

	Fall		Winter		Spring	
First Year	<i>MTH 105: Intro Contemp Math</i> or <i>MTH 111Z: College Algebra</i> <i>WR 121Z: English Composition</i> TRAL 130: Intro Outdoor Advent. TRAL 173: Intermediate Rock Elective Course (PAC 199 Rock Climbing, if needed for TRAL 173)	3-4 4 3 2 1	<i>COMM 111Z: Public Speaking</i> <i>WR 222: English Composition</i> <i>TRAL 132: OD Foundations @ Hist</i> <i>Social Processes Bacc Core</i> <i>Physical Science Bacc Core</i>	4 3 3 3 4	<i>HHS 231: Lifetime Fitness</i> TRAL 115: OD Living Skills TRAL 118: OD Living Skills Lab TRAL 110: Intro WW Kayak TRAL 111: Intro Canoe <i>Literature Arts Bacc Core</i> Elective Course	2 2 1 2 2 4 3
	Total Credits	13-14	Total Credits	17	Total Credits	16
Second Year	TRAL 218: Rock Site Mgmt. TRAL 260: Intermed. Paddle Sport <i>Biological Science Bacc Core</i> <i>Diff, Power, Discrimin Bacc Core</i> Elective Course	2 2 4 3-4 1	TRAL 215: Group Facilitation ST 243Z: Principles of Statistics I <i>Bio/Phys Science Bacc Core</i> Elective Course	4 4 4-5 1	TRAL 280: Outdoor Leadership FES 202: Social Science Research FES 422: Research Methods <i>Cultural Diversity Bacc Core</i>	3 3 4 3
	Total Credits	12-13	Total Credits	13-14	Total Credits	13
Third Year	<i>TRAL 375^: Experiential Education</i> TRAL 353: Nature Eco-Adv Tourism TRAL 357: Parks & Protected Areas or TRAL 352: Wilderness Mgmt Elective Course	4 4 3 4	TRAL 270: Pre-Internship TRAL 370: Design Mgmt OD Exp. TRAL 493: Environ Interpretation <i>FW 350: Endangered Species</i> Elective Course	1 4 4 3 3	TRAL 377: Expeditions I TRAL 379: Expeditions II Summer: TRAL 410: Internship	5 10 6
	Total Credits	15	Total Credits	15	Total Credits	15
Fourth Year	TRAL 374: Outdoor & Adventure Ed SUS 350: Sustainable Communities Elective Course Elective Course	3 4 4 4	TRAL 476: Risk Management <i>TRAL 479: Nature @ Human Exp</i> TRAL 30X: Choose a Cert Course Elective Course Elective Course	3 3 2 4 3	Elective Course Elective Course Elective Course Elective Course Addt'l electives to reach 180 cr.	3 3 3 1 3+
	Total Credits	15	Total Credits	15	Total Credits	13+

Baccalaureate Core & Adventure Leadership and Education Option

A listing of Bacc Core courses can be found in the OSU Catalog: <https://catalog.oregonstate.edu/earning-degrees/bcc/>. Some Bacc Core categories can be fulfilled by courses from the TRAL major. The chart below shows the overlap between TRAL requirements and the Bacc Core.

Baccalaureate Core in Adventure Leadership and Education option– one course per category

Title	Course Number	Cr.
Writing I	Fulfilled by WR 121Z	4
Writing II	Choose from the list	3
Speech	Fulfilled by COMM 111Z or COMM 114	3-4
Lifetime Fitness for Health	HHS 231	2
Fitness Activity	Fulfilled by PAC 110	2
Mathematics	MTH 105 or higher	4
Physical Science w/ Lab	Choose from the list	4-5
Biological Science w/ Lab	Choose from the list	4
Add'l Physical or Biological Sci w/ Lab	Choose from the list	4-5
Cultural Diversity	Choose from the list	3
Literature & Arts	Choose from the list	3
Western Culture	Fulfilled by TRAL 132	3
Social Processes & Institutions	Choose from the list	4
Difference, Power, Discrimination	Choose from the list	3
Contemporary Global Issues	Fulfilled by SUS 350 or TRAL 479	3
Science, Technology, Society	Fulfilled by FW 350 or FES 485	3
Writing Intensive Course	Fulfilled by TRAL 375	4

Internship Requirement for Adventure Leadership & Education Option

The TRAL internship program is designed to combine academic preparation with practical experience by offering a jointly sponsored and supervised learning experience. The TRAL program at OSU-Cascades works with businesses, government agencies, and other organizations (intern “hosts”) to facilitate this important professional development effort. Use the TRAL Internship Guide to prepare and begin internship process:

osucascades.edu/sites/osucascades.edu/files/Advising/tral_internship_guide_dec_10_2019.pdf

Nature, Eco, & Adventure Tourism Option

Students must complete one course in each category of the Option, and these courses must be unique from those used in the TRAL Core. NEAT students are encouraged to consider Business and Entrepreneurship minor.

Nature, Eco, & Adventure Tourism Requirements

Course Number	Title	Cr.	Cascades Campus	Distance Campus	Prerequisites /Notes
BA 315	Accounting for Decision Making	4	SP	F, W, SP, SU	JR standing required (course was BA 215) Override required for distance
BA 260	Intro to Entrepreneurship	4	F, SP	F, W, SP, SU	First Years not permitted in distance Override required for distance
BA 352	Managing Indv. & Team Performance	4	F, SP	F, W, SP, SU	COMM 111/114 and WR 222/323/327 JR/SR standing required Override required for distance
BA 390	Principles of Marketing	4	F	F, W, SP, SU	ECON 201 JR/SR standing required Override required for distance
ECON 201*	Introduction to Microeconomics	4	F, W	F, W, SP, SU	MTH 111 recommended
TRAL 110	Introduction to White Water Kayak	2	SP,SU		TRAL students enroll in TRAL section
TRAL 111	Introduction to Canoeing	2	SP,SU		TRAL students enroll in TRAL section
TRAL 130	Intro to Outdoor & Advent Professions	3	F		
TRAL 132*	Foundations & Hist TRAL Professions	3	W		
TRAL 115	Outdoor Living Skills	2	SP		Co-req: TRAL 118
TRAL 118	Lab for Outdoor Living Skills	1	SP		Co-req: TRAL 115
TRAL 173	Intermediate Rock	2	F, SU		PAC 199 Rock Climbing
TRAL 215	Group Facilitation	4	W		
TRAL 218 or TRAL 260	Rock Site Management or Intermediate Paddle Sport	2 2	F F		TRAL 173 TRAL/PAC 110, and 111
TRAL 270	Pre-Internship Seminar	1	F,W,SP		P/N graded
TRAL 280	Outdoor Leadership Fundamentals	3	SP		TRAL 110, 111, 115, 118 and 173
TRAL 370	Design & Mgmt of Outdoor Exper.	4	W		TRAL 280, and 375
TRAL 375^	Experiential Education	4	F		
TRAL 476	Risk Management in TRAL	3	W		
TRAL 479*	Nature & the Human Experience	3	W		
TRAL 30X	Choose one certification course TRAL 301, 302, 303, 304, 305, 306, 307, 308, 310, 330, or 339	2			
TRAL 410	Internship for Work Experience	6	F, W, SP, SU		P/N graded

Major Requirements that also fulfill a Bacc Core requirement are marked with an asterisk (*)

Courses fulfilling the Writing Intensive Course (WIC) requirement are marked with (^).

Some Skills based classes are cross listed as PAC or TRAL. Either prefix will complete the requirement, TRAL sections recommended.

Sample Course Plan - TRAL with Nature, Eco, & Adventure Tourism

This is a sample schedule. Actual schedules will vary from student to student based upon factors such as math placement, course availability, and option selection. Students are strongly encouraged to create a personalized plan with their academic advisor. *Courses that also fulfill Bacc Core requirements are in italics.*

B.S. in Tourism, Recreation & Adventure Leadership Nature, Eco, & Adventure Tourism | 2023-2024

	Fall		Winter		Spring	
First Year	MATH 111Z: College Algebra WR 121Z: English Composition TRAL 130: Intro Outdoor Advent. TRAL 173: Intermediate Rock Free Elective (PAC 199 Rock Climbing, needed for TRAL 173)	4 4 3 2 1	COMM 111Z: Public Speaking WR 222 English Composition TRAL 132: OD Foundations @ Hist <i>Physical Science Bacc Core</i>	4 3 3 4	HHS 231: Lifetime Fitness TRAL 115: OD Living Skills TRAL 118: OD Living Skills Lab TRAL 110: Intro WW Kayak TRAL 111: Intro Canoe Elective Course	2 2 1 2 2 4
	Total Credits	14	Total Credits	14	Total Credits	13
Second Year	ECON 201: Intro to Microecon BA 260: Entrepreneurship TRAL 218: Rock Site Mgmt or TRAL 260: Paddle Sport (Spring) <i>Cultural Diversity Bacc Core</i>	4 4 2 4	ST 243Z: Principles of Statistics I TRAL 215: Group Facilitation <i>Biological Science Bacc Core</i> Elective Course	4 4 4 3	TRAL 280: Outdoor Leadership FES 202: Social Sci Research FES 422: Research Methods <i>Bio/Phys Science Bacc Core</i>	3 3 4 4
	Total Credits	14	Total Credits	15	Total Credits	14
Third Year	TRAL 353: Nature Eco-Adv Tourism TRAL 375^: Experiential Education BA 352: Team, Individual Mgmt TRAL 357: Parks & Protected Areas or TRAL 352: Wilderness Mgmt	4 4 4 4	TRAL 270: Pre-Internship TRAL 370: Design Mgmt OD Exp. <i>FW 350: Endangered Species</i> TRAL 493: Environ Interpretation Elective Course	1 4 3 4 4	BA 315: Accounting Funds <i>Diff, Power, Discrimin Bacc Core</i> Elective Course Elective Course Summer: TRAL 410: Internship	4 4 4 3 6
	Total Credits	16	Total Credits	16	Total Credits	15
Fourth Year	BA 390: Marketing <i>SUS 350: Sustainable Communities</i> Elective Course Elective Course	4 4 4 3	TRAL 476: Risk Management TRAL 479: Nature @ Human Exp TRAL 30X: Choose a Cert Course Elective Course Elective Course	3 3 2 4 3	<i>Literature @ Arts Bacc Core</i> Elective Course Elective Course Addt'l electives to reach 180 cr.	4 4 4 1+
	Total Credits	15	Total Credits	15	Total Credits	13+

Baccalaureate Core & Nature, Eco, & Adventure Tourism Option

A listing of Bacc Core courses can be found in the OSU Catalog: <https://catalog.oregonstate.edu/earning-degrees/bcc/>. Some Bacc Core categories can be fulfilled by courses from the TRAL major. The chart below shows the overlap between TRAL requirements and the Bacc Core.

Baccalaureate Core in Nature, Eco, and Adventure Tourism option– one course per category

Title	Course Number	Cr.
Writing I	Fulfilled by WR 121Z	4
Writing II	WR 222	3
Speech	Fulfilled by COMM 111Z or COMM 114	3-4
Lifetime Fitness for Health	HHS 231	2
Fitness Activity	Fulfilled by PAC 110	2
Mathematics	MTH 111 or higher	4
Physical Science w/ Lab	Choose from the list	4
Biological Science w/ Lab	Choose from the list	4
Add'l Physical or Biological Sci w/ Lab	Choose from the list	4
Cultural Diversity	Choose from the list	3
Literature & Arts	Choose from the list	3
Western Culture	Fulfilled by TRAL 132	3
Social Processes & Institutions	Fulfilled by ECON 201	4
Difference, Power, Discrimination	Choose from the list	3
Contemporary Global Issues	Fulfilled by SUS 350 or TRAL 479	3-4
Science, Technology, Society	Fulfilled by FW 350 or FES 485	3
Writing Intensive Course	Fulfilled by TRAL 375	4

Internship Requirement for Nature, Econ & Adventure Tourism Option

The TRAL internship program is designed to combine academic preparation with practical experience by offering a jointly sponsored and supervised learning experience. The TRAL program at OSU-Cascades works with businesses, government agencies, and other organizations (intern “hosts”) to facilitate this important professional development effort. Use the TRAL Internship Guide to prepare and begin internship process:

osucascades.edu/sites/osucascades.edu/files/Advising/tral_internship_guide_dec_10_2019.pdf

Requirements for Graduation

In order to earn a BS in TRAL, students must complete the following requirements:

- OSU Baccalaureate Core (“Bacc Core”)
- TRAL Core courses
- TRAL Option courses
- Additional elective courses to accumulate a minimum of 180 total credits, of which at least 60 must be upper-division (courses numbered 300 or higher).
- Complete at least 45 of the final 75 (or 150 total) credits at OSU.

In addition to the University and degree program requirements, TRAL students must meet the following requirements to graduate:



- **S/U Grading:** TRAL students may not take for S/U grading (Satisfactory/Unsatisfactory) any course listed as a requirement for the major. This includes approved substitutions. Bacc Core courses may be taken S/U unless they are also being used to fulfill a major requirement.
- **Grades of C or better** must be earned in all courses for the major (or their approved substitutions).
- **Approved Internship (Cascades options only):**
 - In the Cascades campus options (Nature, Eco, and Adventure Tourism and the Adventure Leadership Education) students are required to complete the internship course: TRAL 410.
 - See page 16 for Adventure Leadership Education
 - See page 19 for Nature, Eco, and Adventure Tourism

Academic Advising

The College of Forestry and the Department of Forest Ecosystems and Society are committed to helping students succeed. That includes assistance with identifying majors and minors, and understanding broader University rules and regulations. The TRAL Academic Advisors and the Head Advisors are your first points of contact when you have questions.

This advising guide provides details of the TRAL program not listed in the University Catalog, as well as helpful suggestions for your success as a student. Your advisor is a valuable resource for discussions about options to add extra value to your education through additional coursework, minors, additional degrees, or co-curricular experiences.

You should refer to your College of Forestry Undergraduate Handbook for detailed information about advising, including the rights and responsibilities inherent in the advisor/advisee relationship. The most current advising information, and appointment scheduling, is available online: forestry.oregonstate.edu/student-services/advising

Corvallis Advisors	
Beth Thompson Academic Advisor - TRAL Peavy 116-G 541-737-1179 Beth.thompson@oregonstate.edu	 Nicole Kent Head Advisor - COF Peavy 116-H 541-737-1592 Nicole.kent@oregonstate.edu
Cascades Advisors	
Apolo Aguirre Academic Advisor – TRAL Tykeson 106K 541-322-2054 Apolo.Aguirre@osucascades.edu	 Dianna McGinnis Head Advisor – Cascades Tykeson 106M 541-332-3105 Dianna.mcginis@oregonstate.edu

What:

You can expect your advising appointments to be 30 minutes of one-on-one time with your academic advisor. You and your advisor will both prepare in advance—reviewing your MyDegrees page, preparing questions, and looking ahead. During your appointment, you will review your progress to date, make course plans for the upcoming term(s), discuss opportunities and resources pertinent to your goals, and track your progress toward graduation. While your advisor is here to assist and guide you, your educational choices are yours to make. We advise and you decide.

When:

COF students are required to meet with their academic advisor at least once per quarter, and are welcome to meet more often.

How:

The easiest way to schedule your advising appointment is using your advisor's online calendar:

Corvallis: forestry.oregonstate.edu/student-services/advising

Cascades: osucascades.edu/advising/academic-advisors