

Area of Interest: Recreation and Wellness

Outdoor Adventure

Ontario College Diploma

Program Code: 6780X01FPM

2 Years

Pembroke Campus

Our Program

Prepare for an exciting leadership role with a career in the outdoors.

The two-year Outdoor Adventure Ontario College Diploma program prepares you for working in the outdoors, leading adventure trips and teaching outdoor skills. Half of your time in the program is spent outdoors, in a variety of locations and adventure operations, including our partner training location at Wilderness Tours. The other half takes place at Algonquin College's Waterfront Campus.

Complete technical training in various land-based activities from mountain biking and rock climbing to skiing and ice climbing. You also build guiding ability in water-based activities, such as:

- whitewater rafting
- kayaking
- canoe tripping

This program is built around an adventure tourism and small business management curriculum, with classroom courses in:

- risk management
- business management
- ecotourism
- human resources
- computer applications

Participate in one expedition per term, including a graduating project that you plan and execute with a group of classmates.

Benefit from the opportunity to earn up to 20 industry certifications, such as:

- Wilderness First Responder - 80 hours First Aid
- Swift Water Rescue Technician and Operator
- Canoe Instructor
- Whitewater Kayak Instructor
- Leave-no-trace Master Educator
- Cycle Tour Guide
- Occupational Health and Safety and WHMIS
- Downhill ski, Snowboard or Nordic ski instructor

Graduates may find employment opportunities such as:

- wilderness trip leaders
- kayak, climbing or mountain bike guides
- ski patrol members
- canoe or snowboard instructors

SUCCESS FACTORS

This program is well-suited for students who:

- Enjoy a hands-on approach to learning outdoor adventure skills and the outdoor adventure tourism industry.
- Enjoy being outside and being challenged physically and mentally.
- Are committed to guiding and teaching others in a variety of outdoor environments and adventure activities.

Employment

Graduates may find employment across Canada and around the world. The combination of technical skills certification, leadership and risk management, and industry and business study create multiple career paths and graduates that are in demand. Entry-level positions, such as wilderness trip leaders, kayak guides, ski patrol, climbing or snowboard instructors are seasonal in nature and are combined to create year-round work and travel opportunities. Parallel industry positions may include outdoor education, logistics planning and support.

With relevant field experience, graduate's training may allow them to move to senior and guide manager positions, such as ski school director, terrain park manager or program coordinator. Several graduates have purchased an existing business or started their own adventure company, ranging from whitewater rafting to international adventure travel. The Outdoor Adventure program has built a reputation of high-quality graduates.

Learning Outcomes

The graduate has reliably demonstrated the ability to:

- Assess risk and exposure, manage liability, and create systems consistent with leading risk management practices.
- Lead others leveraging interpersonal ability, group management tools, and sound decision making and judgement.
- Consistently demonstrate professional communication strategies, including written, spoken and digital applications.
- Instruct outdoor technical skills.
- Initiate an effective and methodical response to emergency and rescue scenarios.
- Build technical skills and acquire industry recognized certifications.
- Incorporate environmental awareness and sustainability into outdoor and business practices.
- Identify and develop business and management strategies to capitalize on opportunities in the adventure industry.
- Plan and manage adventure-based trips, events and programs.
- Identify and apply discipline-specific practices that contribute to the local and global community through social responsibility, economic commitment and environmental stewardship.

Level: 01	Courses	Hours
DAT7110	Computer Applications	42.0
ENL7777	Communications I	42.0
MKT7200	Marketing the Tourism Experience	42.0
OAD7103	Outdoor Expedition	48.0
OAD7104	Fall Camp	24.0
OAD7109	Camp Craft	32.0
OAD7110	River Rescue I	24.0
OAD7111	Whitewater Kayak I	32.0
OAD7112	River Rafting I	40.0
OAD7114	Flatwater Canoeing	32.0
OAD7115	Cross Country Cycling I	16.0
OAD7126	Rock Climbing I	32.0
OAD7200	Outdoor Adventure Leadership	42.0
Level: 02	Courses	Hours
ACC7200	Accounting	42.0
ENL7655	Communication for the Outdoor Adventure Workplace	42.0
OAD7202	Winter Expedition	24.0
OAD7213	Nordic Skiing I	16.0
OAD7216	Ice Climbing I	16.0
OAD7217	Wilderness First Aid Skills	72.0
OAD7218	Risk Management - Outdoor Adventure	42.0
OAD7220	Alpine Skiing and Snowboarding I	96.0
Elective: choose 1	Courses	Hours
OAD7108	Ecology	42.0
OAD7128	Ecology and Marine Ecosystems	42.0
Choose one from equivalencies:	Courses	Hours
GED6780	General Education Elective	42.0
Level: 03	Courses	Hours
MGT7230	Human Resources	42.0
OAD7307	Sea Kayak Expedition	90.0
OAD7400	The Outdoor Adventure Industry	42.0

Elective: choose 3	Courses	Hours
OAD7342	Raft Guide - Paddle and Oar Rig	48.0
OAD7343	Rock Climbing II	48.0
OAD7344	Canoe Guiding	48.0
OAD7345	Whitewater Kayak Instructor	48.0
OAD7350	Backpacking Guide	48.0
OAD7351	Mountain Bike Guide	48.0
OAD7352	Cycle Touring Guide	48.0
OAD7353	Multi-Day Whitewater Guide	48.0
Elective: choose 1	Courses	Hours
OAD7107	Understanding the Natural Environment	42.0
OAD7127	Geotourism and the Natural Environment	42.0
Choose one from equivalencies: Courses	Hours	
GED6780	General Education Elective	42.0
Level: 04	Courses	Hours
MGT7422	The Business of Outdoor Adventure	48.0
MKT7321	Digital Marketing for Outdoor Adventure	42.0
OAD0007	Mental Health First Aid Skills	10.0
OAD7401	Advanced Expedition	72.0
OAD7403	Wilderness First Responder Recertification	16.0
OAD7413	Introduction to Mountain Rescue	16.0
OAD7450	Graduate Portfolio	10.0
Elective: choose 2	Courses	Hours
OAD7408	Advanced Trail Design	16.0
OAD7416	Ice Climbing II	16.0
OAD7440	Rope Rescue	16.0
OAD7446	Terrain Park Operations	16.0
OAD7447	Sports Injury Management	16.0
OAD7452	Advanced Bicycle Mechanic	16.0
OAD7454	Ski Patrol	16.0
OAD7455	Zipline	16.0
Elective: choose 1	Courses	Hours

ENV0003	Rain Forest and Tropical Science	42.0
OAD7405	Ecotourism and Sustainable Development	42.0
Elective: MUST choose one Courses		Hours
OAD7433	Alpine Ski II	80.0
OAD7434	Snowboard II	80.0
OAD7439	Nordic Ski Instructor	80.0

Fees for the 2023/2024 Academic Year

Tuition and related ancillary fees for this program can be viewed by using the Tuition and Fees Estimator tool at <https://www.algonquincollege.com/fee-estimator> .

Further information on fees can be found by visiting the Registrar's Office website at <https://www.algonquincollege.com/ro> .

Fees are subject to change.

Additional program related expenses include:

- **Clothing and Equipment:** Students need appropriate clothing and equipment to participate in outdoor activities throughout the four seasons of the year. Students likely already own many of these items, and the program provides course specific equipment. A complete list is available in the Applicant's Handbook, available on the program website.
- **Program Readiness Camp:** \$180; Books, maps and manuals: approximately \$400 per term.
- **Expeditions:** Travel, food and equipment are supplied for expeditions. Students are required to obtain a passport and travel insurance (on a per trip basis).
- **Advanced Expedition (Level 04:)** - If the class chooses a final expedition destination that exceeds the allotted budget, additional costs for transportation, accommodation, documentation, etc., may be incurred by each student.
- **Elective Courses that Include International Trips:** All expenses are the responsibility of the student for those who select elective courses that include international trips. Approximate trip costs are provided in advance of elective course selection.

Admission Requirements for the 2024/2025 Academic Year

College Eligibility

- Ontario Secondary School Diploma (OSSD) or equivalent. Applicants with an OSSD showing senior English and/or Mathematics courses at the Basic Level, or with Workplace or Open courses, will be tested to determine their eligibility for admission; OR
- Academic and Career Entrance (ACE) certificate; OR
- General Educational Development (GED) certificate; OR
- Mature Student status (19 years of age or older and without a high school diploma at the start of the program). Eligibility may be determined by academic achievement testing for which a fee of \$50 (subject to change) will be charged.

Program Eligibility

- English, Grade 12 (ENG4C or equivalent).
- Mathematics, Grade 11 (MBF3C or equivalent).

PART 1:

- Applicants with international transcripts must provide proof of the subject-specific requirements noted above and may be required to provide proof of language proficiency. Domestic applicants with international transcripts must be evaluated through the International Credential Assessment Service of Canada (ICAS) or World Education Services (WES).
- IELTS-International English Language Testing Service (Academic) Overall band of 6.0 with a minimum of 5.5 in each band; OR TOEFL-Internet-based (iBT) Overall 80, with a minimum of 20 in each component: Reading 20; Listening 20; Speaking 20; Writing 20; OR Duolingo English Test (DET) Overall 110, minimum of 110 in Literacy and no score below 95.

PART II:

Prior to commencement of the program, accepted applicants must:

- Participate in a mandatory Program Readiness Camp orientation weekend (several dates available, details in Applicant's Handbook available on program website).
- Submission of Applicant Personal Information, Consent and Health form (available on program website), prior to attending mandatory Program Readiness Camp orientation weekend.
- Provide proof of current Standard First Aid Certification.
- Sign and submit an Outdoor Adventure Program Assumption of Risk and Release form (available at program website).
- Those under the age of 18 must submit Parental Consent documentation (available on program website).
- Applicants who have met Part I of the Eligibility and Selection process will be accepted into the program. If the number of applicants exceeds the number of positions available, applicants will be selected based on their English (ENG4C or equivalent) and Math (MAP4C or equivalent) grades.
- Those applicants successfully accepted in the program must plan to attend a mandatory Program Readiness Camp orientation weekend (Part III). Several dates are available over the spring and summer (details can be found in the Applicant's Handbook available on the program website). Two weeks prior to your attendance at the orientation camp, a Personal Information, Consent and Health form, along with an Outdoor Adventure Program Assumption of Risk and Release form must be completed and submitted to the program coordinator.
- Prior to the first day of class, the student must provide proof of current Standard First Aid and a signed release form. All of these details are outlined in the Applicant's Handbook available on the program website. The Assumption of Risk and Release form is available on the program website.

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Application Information**OUTDOOR ADVENTURE
Program Code 6780X01FPM**

Applications to full-time day programs must be submitted with official transcripts showing completion of the academic admission requirements through:

ontariocolleges.ca
60 Corporate Court
Guelph, Ontario N1G 5J3
1-888-892-2228

Students currently enrolled in an Ontario secondary school should notify their Guidance Office prior to their online application at <http://www.ontariocolleges.ca/>.

Applications for Fall Term and Winter Term received by February 1 will be given equal consideration. Applications received after February 1 will be processed on a first-come, first-served basis as long as places are available.

International applicants please visit this link for application process information:
<https://algonquincollege.force.com/myACint/>.

For further information on the admissions process, contact:

Registrar's Office
Algonquin College in the Ottawa Valley
1 College Way
Pembroke, ON K8A 0C8
Local: 613-735-4700
Toll-free 1-800-565-4723
TTY: 1-866-620-3845
Fax: 613-735-8800
Web: <https://www.algonquincollege.com/pembroke>

Additional Information

This program is offered at the Pembroke Waterfront Campus, which is surrounded by the fantastic

natural resources of the beautiful and rugged Ottawa Valley. Sitting on the shores of the mighty Ottawa River, the Campus is in close proximity to world-renowned Algonquin Park, alpine ski hills and its program partner, Wilderness Tours. The Wilderness Tours resort is located just 30 minutes from the Pembroke Campus.

The Outdoor Adventure Program is a physically demanding program. Students should be able to efficiently and comfortably swim 200m, be able to carry a 22kg/50 lb backpack over long distances, paddle or bike for several hours at a time, and spend all day and overnight outdoors in all weather from plus 20C to minus 20C.

At least three weekends per term are scheduled for expeditions and/or practical skills courses. Students must attend these weekend programs. A schedule is distributed on orientation day.

The electives offered are subject to minimum numbers, weather and logistical requirements. Not all electives are offered each term.

International travel electives are offered during the program and provide unique learning opportunities at international adventure destinations. These courses are elective and students incur additional travel-related fees if they select these courses. For those intending to pursue international adventure guiding as a career path, these electives provide value-added learning opportunities and resume building experiences.

Tuition fees include a number of significant industry certifications. Students may be able to earn industry certifications through the program at a significantly lower cost than if attained independently. Incorporating many certifications directly into the curriculum ensures graduates are qualified for employment.

NOTE: Certifications are subject to change and availability as all are regulated by separate, external national bodies.

Statement of Responsibility, Safety and Liability:

In order to learn the skills necessary to become an effective leader in the outdoor adventure tourism industry, students must perform beyond the limits of a mere participant and assume a greater degree of responsibility and risk.

Course activities regularly take place in remote and rugged locations. Activities, including overnight camping and daily classes, are scheduled regardless of rain, snow and cold. Remote locations may mean delay in emergency communication and time to medical treatment in the case of injury. Within any given day, there is supervised and un-supervised activity and time.

There is an inherent element of risk which is beyond human control. Only those risks that contribute to career related skills, knowledge, and experience are acceptable, as dictated by industry standards, certification, licenses and specific course outlines. This is termed risk appropriate training. Risks that fall outside of the scope of industry practice are deemed inappropriate for technical training programs at Algonquin College. Although effort is made to minimize exposure to these risks, we can ultimately assume no responsibility for your safety or loss of personal equipment.

A signed liability release is required of all students before commencement of the program. An additional liability release may be required for courses delivered through subcontractors or host agencies. Students are encouraged to read these carefully and fully understand the forms' legal implications before signing. A parent/guardian release is required for minors (under 18 years of age).

Contact Information

Program Coordinator(s)

- Jeff Jackson, <mailto:jacksoj@algonquincollege.com> , 613-735-4700, ext. 2704

Course Descriptions

ACC7200 Accounting

Accounting is used to record business transactions, organize information and communicate financial information in order to make sound business decisions. Students develop an understanding of accounting principles including the accounting cycle, recording transactions,

payroll concepts and procedures, and the preparation and analysis of financial statements. Students learn to accurately record financial information and complete the accounting cycle.

Prerequisite(s): none

Corerequisite(s):none

DAT7110 Computer Applications

Students learn to apply, appropriately and effectively, standard word processing, spreadsheet and database software to business applications. Optimizing the utilization of their mobile learning device for both theory and skills courses is another focus. In addition, students combine these software applications with presentation software to produce effective marketing and instructional aids. Emphasis is given to software which is most common and utilized globally in an effort to enhance students' readiness to work in an international setting/industry.

Prerequisite(s): none

Corerequisite(s):none

ENL7655 Communication for the Outdoor Adventure Workplace

This course continues from Communications I to help you achieve graduate level communication skills. Topics include workplace and employment correspondence, reports, presentations and other communication skills required in the outdoor adventure industry.

Prerequisite(s): ENL7777

Corerequisite(s):none

ENL7777 Communications I

Communication remains an essential skill sought by employers, regardless of discipline or field of study. Using a practical, vocation-oriented approach, students focus on meeting the requirements of effective communication. Through a combination of lectures, exercises, and independent learning, students practise writing, speaking, reading, listening, locating and documenting information and using technology to communicate professionally. Students develop and strengthen communication skills that contribute to success in both educational and workplace environments.

Prerequisite(s): none

Corerequisite(s):none

ENV0003 Rain Forest and Tropical Science

Students actively participate in the Algonquin Rain Forest Project by completing a one week field trip to Costa Rica to explore its ecosystems and the rich biological resources found in its humid tropical climate. Students appreciate the biological resources of the rain forest, the humid tropics, and the variable characteristics of the rain forest habitat, as well as examine sustainable agriculture and other environmental management practices. Students are, at times, required to hike long distances in difficult-to-navigate terrain. They are expected to reach the Algonquin Rain Forest Reserve via a whitewater rafting trip down the world-famous Rio Pacuare. Guided by professional river guides, students experience several ecosystems before arriving at the Algonquin College Forest project area. Students also study and learn at Escuela de Agricultura de la Region Tropical Humeda (EARTH University).

Prerequisite(s): none

Corerequisite(s):none

GED6780 General Education Elective

Students choose one course, from a group of general education electives, which meets one of the following five theme requirements: Arts in Society, Civic Life, Social and Cultural Understanding, Personal Understanding, and Science and Technology.

Prerequisite(s): none

Corerequisite(s):none

GED6780 General Education Elective

Students choose one course, from a group of general education electives, which meets one of the following five theme requirements: Arts in Society, Civic Life, Social and Cultural Understanding, Personal Understanding, and Science and Technology.

Prerequisite(s): none

Corerequisite(s):none

MGT7230 Human Resources

Human resources are a key asset of adventure tourism operations. Students learn practical staff management skills ranging from work and task analysis, through job descriptions, scheduling and the Employment Standards Act. Current issues relevant to adventure guiding such as managing diversity, maintaining a positive workplace culture, Occupational Health and Safety and the Employment Standards Act are explored.

Prerequisite(s): OAD7218

Corerequisite(s):none

MGT7422 The Business of Outdoor Adventure

Concepts learned in previous accounting, marketing, human resources and industry courses provide students with basic skills required in planning, establishing and managing a business in the adventure industry. A major focus is on financial planning and budgeting. Students demonstrate cumulative knowledge and skills.

Prerequisite(s): OAD7218

Corerequisite(s):none

MKT7200 Marketing the Tourism Experience

Tourism operators face unique challenges and opportunities in marketing their products. Students examine navigating these challenges as well as capitalizing on the opportunities. Students learn fundamental marketing tools such as market analysis, product development, target marketing, pricing, selling and promotion. These marketing functions are applied against the structural features of the tourism industry as a whole and the adventure sector in particular. Tourism concepts, such as travel motivators, tourism generators, tourism sector interrelationships and economic impact are considered through the lens of marketing and promotion. Students develop depth of knowledge into a particular product or sector of the tourism industry.

Prerequisite(s): none

Corerequisite(s):none

MKT7321 Digital Marketing for Outdoor Adventure

Digital media has changed how marketing is created, delivered and consumed. Students learn specific tools and strategies to leverage new media avenues. Web-based applications, social networks, brand creation and customer relationship management are addressed. Digital imaging, video and audio material are applied to a variety of media.

Prerequisite(s): MKT7200

Corerequisite(s):none

OAD0007 Mental Health First Aid Skills

This mental health first aid course is designed for guides working with diverse populations. Common mental health disorders are explored as participants develop the skills to interact confidently with people experiencing mental health problems in their workplaces and communities. Through role-play and interactive activities, participants build basic mental health first aid skills that enable them to help a person developing or experiencing a mental health problem until appropriate

resources, support or medical treatment can be obtained.

Prerequisite(s): OAD7110

Corerequisite(s):none

OAD7103 Outdoor Expedition

This first of four expeditions in the program is to introduce students to a challenging variety of rafting rivers and commercial operations. Destinations may include a variety of rivers in Quebec, Ontario or United States, allowing students to apply their guiding, rescue and river skills in new settings. Students are required to observe and evaluate a variety of successful commercial operations and initiate trip log and trip reporting.

Prerequisite(s): OAD7110

Corerequisite(s):none

OAD7104 Fall Camp

Students are provided with an introduction to their diploma program and to the skills training component. Based at the Wilderness Tours site, activities include whitewater rafting, team building activities, and the start of skills training courses. The Fall Camp is a means for Outdoor Adventure students to become better acquainted with the policies, procedures and expectations of their program.

Prerequisite(s): none

Corerequisite(s):none

OAD7107 Understanding the Natural Environment

Various aspects of earth science and life systems are studied. Topics provide students with information they can incorporate into guiding and outdoor educational activities. Field trips, assignments and class labs allow students to apply their knowledge and develop natural history interpretation skills. Topics include glacial landscapes, global geological processes, plant/ wildlife identification and forest ecology/sustainable forest management. Weather is also discussed so students can understand/interpret weather and make short-term weather forecasts.

Prerequisite(s): none

Corerequisite(s):none

OAD7108 Ecology

A broad overview of ecological concepts and issues is provided. The ecological foundation that students need to understand the environment and the impacts of development on a variety of ecosystems is also presented. Concepts that are covered include ecological principles, sustaining biodiversity and humans as agents of change. These ecological principles are studied and discussed in the context of current ecological issues, as they relate to local, regional and global sustainability.

Prerequisite(s): none

Corerequisite(s):none

OAD7109 Camp Craft

Students further develop camping, cooking and travel skills with an emphasis placed on backcountry travel and winter camping. Core learning outcomes include: application of Leave No Trace (LNT) skills, map and compass skills, the camp triangle, shelter, tarp and sleep systems, as well as camp food preparation and packing.

Prerequisite(s): none

Corerequisite(s):none

OAD7110 River Rescue I

Students learn river rescue techniques as they pertain to canoes, kayaks and rafts. Hypothermia and drowning, rescue in moving water, improvised rescue, rope system rescue and rescue simulations are covered in this introductory course. This course is standard training for employment in the river industry. Successful completion may qualify students for certification.

Prerequisite(s): none
Corerequisite(s):none

OAD7111 Whitewater Kayak I

This course is an introduction to whitewater kayaking: kayak equipment, strokes and concepts, river running, rolling and rescues are introduced. Emphasis is placed on understanding the principles of moving water and kayak safety. (All skills are performed on Class I to III white water).

Prerequisite(s): none
Corerequisite(s):none

OAD7112 River Rafting I

Students learn the fundamentals of paddle raft guiding. Students become familiar with such techniques as driving, ferrying, drifting and surfing. Scouting, hazard identification, strokes, communication and teamwork are core elements. By course completion, students are equipped to guide class III whitewater.

Prerequisite(s): none
Corerequisite(s):none

OAD7114 Flatwater Canoeing

Students learn basic flatwater skills that are necessary to earn instructor certification. They are educated in canoe construction, equipment, strokes, and tandem and solo paddling. Focus is placed on learning basic canoe skills and structuring a canoe class.

Prerequisite(s): none
Corerequisite(s):none

OAD7115 Cross Country Cycling I

This is an introductory course in mountain biking offering the student instruction in biking equipment, basic bike repair, and riding technique. Trail riding skills, riding responsibility and leadership are core elements of this course. Students participate in a full day mountain bike tour.

Prerequisite(s): none
Corerequisite(s):none

OAD7126 Rock Climbing I

Students develop specific skills required to manage themselves in an outdoor climbing environment. Rock climbing, belaying techniques, equipment, core knots and rope systems are covered. Specific safety and rescue skills must be demonstrated to earn this credit.

Prerequisite(s): none
Corerequisite(s):none

OAD7127 Geotourism and the Natural Environment

Understanding the natural environment and the geological features and landscape that shape our world is vital information for students to incorporate into guiding and outdoor educational activities. Through research and applied learning students will explore geological landscapes, global geological processes, plant/wildlife identification and forest ecology. Students participate in an international expedition to investigate geotourism by fat-tire mountain bike through the volcanic and glacial landscapes of Iceland.

Prerequisite(s): none
Corerequisite(s):none

OAD7128 Ecology and Marine Ecosystems

To effectively guide and work in a marine setting students require an ecological foundation in aquatic ecosystems to understand the environment and the impacts of development on these ecosystems. By participating in an international sea kayak expedition, this course presents a broad overview of ecology and provides a more detailed exploration of concepts of marine ecology, trophic relationships, ecological roles, and nutrient cycling through the exploration of a tropical marine setting.

Prerequisite(s): none
Corerequisite(s):none

OAD7200 Outdoor Adventure Leadership

Leadership skills are used to foster a safe, respectful, and well-organized outdoor adventure expedition. Students build foundational leadership skills specific to the adventure tourism industry. Decision-making, judgement, and client safety are examined through case-based learning, trip planning and instruction. Group management skills are developed through theory and practical exercises.

Prerequisite(s): none
Corerequisite(s):none

OAD7202 Winter Expedition

This course is a multi-day winter expedition with direct focus on winter camp craft and winter travel techniques. Students apply and demonstrate skills, such as map and compass, on and off trail navigation, meal preparation, Leave No Trace techniques and group management skills.

Prerequisite(s): OAD7109 and OAD7200
Corerequisite(s):none

OAD7213 Nordic Skilling I

Cross country skiing is introduced. Classic striding and skating technique, equipment knowledge, waxing and basic fitness are covered.

Prerequisite(s): OAD7200
Corerequisite(s):none

OAD7216 Ice Climbing I

Focus is placed on the sport of ice climbing with emphasis placed upon safety in the winter environment, in the vertical environment, ice climbing technique and equipment. Students meet or exceed the ability to climb grade III ice.

Prerequisite(s): OAD7126 and OAD7200
Corerequisite(s):none

OAD7217 Wilderness First Aid Skills

Outdoor professionals require a Wilderness First Aid Certificate in remote areas. Students focus on the principles of patient management and decision making. Special emphasis is placed on prevention, traumatic injuries, illness assessment, accident scene management, long-term patient care, leader responsibility and liability, advanced medical aid kits, wound cleaning, evacuation procedures and working with Emergency Medical Services.

Prerequisite(s): OAD7200

Corerequisite(s):none

OAD7218 Risk Management - Outdoor Adventure

Minimization of risk contributes to a safe and sustainable outdoor adventure environment. Students explore theoretical and practical applications related to risk in the outdoor adventure industry. Risk assessment, systems-based planning and prevention, and control and mitigation strategies are focuses. Students examine emergency situation management, training, planning and documenting from the guide's perspective. The Canadian legal system, liability and negligence, waivers and releases and insurance are looked at from the business perspective.

Prerequisite(s): OAD7200

Corerequisite(s):none

OAD7220 Alpine Skiing and Snowboarding I

Students are introduced to alpine ski and snowboard techniques and equipment. This course utilizes Canadian Ski Instructors Alliance (CSIA) and Canadian Association of Snowboard Instructors (CASI) teaching progression and techniques and serves as an introduction and preparatory course for students to take the CSIA or CASI Level I instructor course. Successful completion may qualify students for certification. Skills are marked according to the CSIA and CASI Level one instructor standard.

Prerequisite(s): OAD7200

Corerequisite(s):none

OAD7307 Sea Kayak Expedition

This multi-day expedition takes place in a large river/lake fresh water environment. Sea kayaking, Leave No Trace practices, open water hazards, the lake and river environments, navigation, marine charts, land and water group management practices, and ecological interpretation are among the many skills either newly learned and/or reviewed, refined and applied.

Prerequisite(s): OAD7217 and OAD7218

Corerequisite(s):none

OAD7342 Raft Guide - Paddle and Oar Rig

Guides develop the skills for commercial guiding in both paddle rafts and oar rigs. Paddle crew management, verbal communication and efficient movement in current is emphasized in the paddle raft, while oar based pulling and portage (push) techniques, rigging for multi-day trips, and running safety in the rowing rafts. A rescue module follows the guidelines set up by Rescue Canada and the Technician Level 3 curriculum, including anchors and mechanical advantage and qualifies for certification.

Prerequisite(s): OAD7110 and OAD7112 and OAD7217 and OAD7218

Corerequisite(s):none

OAD7343 Rock Climbing II

Advanced skill development in all aspects of single-pitch rock climbing is provided. Emphasis is placed on edge management, top anchor and top belay setup, rappelling, mach lead climbs in both traditional and sport, ascending and improvised rescue systems. The fundamentals of becoming a climbing instructor and guide are covered.

Prerequisite(s): OAD7216 and OAD7217 and OAD7218

Corerequisite(s):none

OAD7344 Canoe Guiding

Students prepare for canoe trip leading. Trip planning, logistics, navigation, on-water group management and safety are covered via a multi-day trip. Tandem and solo moving water paddling

and rescue modules round out this skill set.

Prerequisite(s): OAD7110 and OAD7114 and OAD7217 and OAD7218

Corerequisite(s):none

OAD7345 Whitewater Kayak Instructor

Skill development is targeted to more comfortable and aggressive paddlers by continuing the technique progression towards instructor certification. Starting with technique improvement, self and assisted rescue, basic playboating and adapting to big water conditions are developed and applied to teaching and leading beginner kayakers. Teaching kayak strokes, concepts, rolling, group management, and boat-based rescue offers the opportunity to gain Level O2 kayak instructor certification. Students should be comfortable paddling class III and be able to roll.

Prerequisite(s): OAD7110 and OAD7111 and OAD7217 and OAD7218

Corerequisite(s):none

OAD7350 Backpacking Guide

Students enhance their wilderness travel skills while experiencing a multi-day backpacking expedition. Land based navigation, Leave No Trace instructor training and advanced camp craft techniques are core topics.

Prerequisite(s): OAD7217 and OAD7218

Corerequisite(s):none

OAD7351 Mountain Bike Guide

Students demonstrate skills to enhance and develop their personal riding techniques, teach basic to intermediate riding techniques, plan and execute mountain bike day trips. Students will further research, plan and lead several full day trips in a client-based setting to various local and destination locations. This course incorporates daily mountain bike rides with distances ranging between 10km and 40km.

Prerequisite(s): OAD7115 and OAD7217 and OAD7218

Corerequisite(s):none

OAD7352 Cycle Touring Guide

Students develop guide-level cycle touring skills with a focus on learning and executing industry-specific standards for cycle touring guides. Emphasis is geared towards planning and executing multi-day cycle touring trips, client management, equipment packing and care, and retrieving industry related information for successful trip planning. A multi-day cycle tour with daily distances ranging between 50km to 90km, is incorporated.

Prerequisite(s): OAD7115 and OAD7217 and OAD7218

Corerequisite(s):none

OAD7353 Multi-Day Whitewater Guide

Guides integrate paddling skills, on-river management and logistics planning in a multi-day whitewater trip format. Students learn logistics planning for transportation, gear management and group travel. On-river group management integrates kayak and oar rig safety in a technical river setting. This course is open to those who have taken the kayak instructor or raft guide electives, and builds upon the boat handling skills developed in those courses. Kayakers must have reliable whitewater roll in order to participate.

Prerequisite(s): OAD7217 and OAD7218 and OAD7345 or OAD7217 and OAD7218 and OAD7342

Corerequisite(s):none

OAD7400 The Outdoor Adventure Industry

The history, current status, and future trends of the different segments within the adventure travel industry are discussed. Through industry analysis, students examine market players, participants, growth areas, and professional associations in different activities and geographic regions. Government, land and resource management are examined for their role and relevance to adventure tourism both in Canada and internationally.

Prerequisite(s): OAD7218

Corerequisite(s):none

OAD7401 Advanced Expedition

Advanced Expedition is designed as the culmination of all expeditions within the Outdoor Adventure program. Students complete all logistical planning. Advanced outdoor skills and leadership are expected to be demonstrated; students must qualify for participation based upon satisfactory performance to date.

Prerequisite(s): OAD7217 and OAD7218

Corerequisite(s):none

OAD7403 Wilderness First Responder Recertification

The Wilderness First Responder recertification is a skills-based course that focuses on case-based scenarios, dealing with in-field patient care and evacuation.

Prerequisite(s): OAD7217

Corerequisite(s):none

OAD7405 Ecotourism and Sustainable Development

A general review of tourism and its many forms is provided followed by a strong focus on sustainable nature-based tourism and the development of such practices on an international scale. Ecotourism and responsible travel techniques are introduced and discussed. As part of a culminating performance, students take part in an Ecotourism exhibition, demonstrating the core elements of Ecotourism and its many forms of operation.

Prerequisite(s): none

Corerequisite(s):none

OAD7408 Advanced Trail Design

Participants of the advanced trail elective take a hands-on approach to developing and building sustainable trail features, and incorporate specific trail-industry standards into the development of various trail systems. Students gain a deeper knowledge of the trail industry through discussing and implementing learned techniques at various local trail centers.

Prerequisite(s): none

Corerequisite(s):none

OAD7413 Introduction to Mountain Rescue

Students acquire a basic knowledge of travel in an alpine environment. Core elements include an introduction to weather in alpine environments, a practical introduction to avalanche rescue equipment and victim recovery, group travel in mountainous terrain, self-rescue and self-arrests techniques.

Prerequisite(s): OAD7216

Corerequisite(s):none

OAD7416 Ice Climbing II

Students focus on technical ice climbing. Various locations are utilized to broaden the scope of winter climbing practices with emphasis placed upon ice conditions with regards to hazard

evaluation and safe climbing practices.

Prerequisite(s): OAD7216

Corerequisite(s):none

OAD7433 Alpine Ski II

Emphasis is placed on teaching techniques for intermediate skiers. Students enhance their skiing and teaching skills while focusing on assessment and development. This course culminates with a Level 1 Canadian Ski Instructors Alliance instructor exam and builds beyond these required skills.

Prerequisite(s): OAD7220

Corerequisite(s):none

OAD7434 Snowboard II

Emphasis is placed on teaching techniques for intermediate snowboarders. Students enhance their snowboarding and teaching skills while focusing on assessment and development. This course culminates with a Level 1 Canadian Association of Snowboard Instructors instructor exam and builds beyond these required skills.

Prerequisite(s): OAD7220

Corerequisite(s):none

OAD7439 Nordic Ski Instructor

Students prepare for the Level 1 Canadian Association of Nordic Ski Instructors (CANSI) course. Integrating skate and classic technique within an instructional environment is the key focus. Key skill areas being demonstration quality double poling, classic, free skate, one skate and telemark turns. This course culminates with a Level 1 Canadian Association of Nordic Ski Instructors instructor exam and builds beyond these required skills.

Prerequisite(s): OAD7213

Corerequisite(s):none

OAD7440 Rope Rescue

Students develop climbers' rig and rope rescue skills in both industrial and recreational environments. Core topics, such as anchors, technical rescue systems, rappelling, and ascending used in both recreational climbing and tower settings are covered.

Prerequisite(s): OAD7216

Corerequisite(s):none

OAD7446 Terrain Park Operations

Students are prepared for a leadership role at a ski area's terrain park. Learning includes everything from how a feature is built, access, safety signage and risk management, to the primary ride-through inspection. Two days are spent in a terrain park, inspecting and prepping features, fall zones, filters and lines. Students also receive personal feedback on their basic freestyle riding, which promotes a more knowledgeable, safe terrain park rider.

Prerequisite(s): OAD7220

Corerequisite(s):none

OAD7447 Sports Injury Management

Sports injury, especially as it relates to outdoor sports is examined. Students understand the underlying mechanisms of orthopedic injury in relation to overuse and chronic support problems. Students learn how to apply support to common sports injuries and manage stable orthopedic injuries in the field. Therapeutic strategies for strengthening common stable injuries are also examined.

Prerequisite(s): OAD7217
Corerequisite(s):none

OAD7450 Graduate Portfolio

Students analyze their professional development and learning based on program standards and specific course learning requirements. Students document this analysis in a professional portfolio. Included in this portfolio are evidence of professional development and related work, training logbook, and other artifacts proving that professional standards and core competencies have been met or exceeded.

Prerequisite(s): none
Corerequisite(s):none

OAD7452 Advanced Bicycle Mechanic

Students learn to overhaul bicycles and how to maintain a fleet of bicycles for shop and rental purposes. Emphasis is placed on maintenance of drive trains, wheels and hubs, hydraulic braking systems, headset and fork installation.

Prerequisite(s): OAD7115
Corerequisite(s):none

OAD7454 Ski Patrol

This course introduces students to the duties and responsibilities of resort ski patrol. Emphasis is placed on resort protocols and procedures for opening and closing hills, scene management, victim management and ski lift evacuation.

Prerequisite(s): OAD7217 and OAD7220
Corerequisite(s):none

OAD7455 Zipline

Emphasis is placed on the procedural and practical components of client-based activity through zipline and vertical rope environment. Equipment maintenance, structural integrity of the equipment and instructional briefings of its usage are also covered.

Prerequisite(s): OAD7126
Corerequisite(s):none