Outdoor Adventure

Ontario College Diploma
2 Years
Pembroke Campus

Academic Year: 2019/2020
Program Code: 6780X01FPM

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 and kayaking canoe tripping.

Build competency in outdoor leadership skills such as:

• navigation
• trip planning
• camp cooking
• group safety

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 creates 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.

Program of Study

<table>
<thead>
<tr>
<th>Level: 01</th>
<th>Courses</th>
<th>Hours</th>
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<tbody>
<tr>
<td>DAT7110</td>
<td>Computer Applications</td>
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<tr>
<td>ENL7777</td>
<td>Communications I</td>
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<tr>
<td>GED7105</td>
<td>Professionalism and Ethics</td>
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<tr>
<td>OAD7103</td>
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<tr>
<td>OAD7104</td>
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<td>Communication for the Outdoor Adventure Workplace</td>
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<td>OAD7202</td>
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<td>OAD7213</td>
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<td>OAD7216</td>
<td>Ice Climbing I</td>
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<td>Wilderness First Aid Skills</td>
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<td>OAD7218</td>
<td>Risk Management - Outdoor Adventure</td>
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<tr>
<td>OAD7220</td>
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Elective: choose 1 | Courses | Hours |
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<tr>
<td>OAD7108</td>
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<td>MGT7230</td>
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<td>OAD7307</td>
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<td>OAD7400</td>
<td>The Outdoor Adventure Industry</td>
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<td>Raft Guide - Paddle and Oar Rig</td>
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<td>OAD7343</td>
<td>Rock Climbing II</td>
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<td>Canoe Guiding</td>
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<td>Whitewater Kayak Instructor</td>
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<td>OAD7350</td>
<td>Backpacking Guide</td>
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<td>Courses</td>
<td>Hours</td>
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<td>OAD7351 Mountain Bike Guide/Trail Steward</td>
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<td>OAD7352 Cycle Touring Guide</td>
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**Elective: choose 1 Courses**

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<td>OAD7107 Understanding the Natural Environment</td>
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**Choose one from equivalencies: Courses**

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**Level: 04 Courses**

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<td>MGT7422 The Business of Outdoor Adventure</td>
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<td>MKT7321 Marketing and New Media</td>
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<td>OAD7401 Advanced Expedition</td>
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**Elective: choose 2 Courses**

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<td>OAD7416 Ice Climbing II</td>
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<td>OAD7440 Rope Rescue</td>
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<td>OAD7446 Terrain Park Operations</td>
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<td>OAD7447 Sports Injury Management</td>
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<td>OAD7452 Advanced Bicycle Mechanic</td>
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<td>OAD7454 Ski Patrol</td>
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<td>OAD7455 Zipline</td>
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**Elective: choose 1 Courses**

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<th>Hours</th>
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<tr>
<td>ENV0003 Rain Forest and Tropical Science</td>
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<td>OAD7405 Ecotourism and Sustainable Development</td>
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<td>OAD7433 Alpine Ski II</td>
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<td>OAD7434 Snowboard II</td>
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<tr>
<td>OAD7439 Nordic Ski Instructor</td>
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**Fees for the 2019/2020 Academic Year**

Tuition and related ancillary fees for this program can be viewed by using the Tuition and Fees Estimator tool at [http://www.algonquincollege.com/fee-estimator](http://www.algonquincollege.com/fee-estimator).

Further information on fees can be found by visiting the Registrar’s Office website at [http://www.algonquincollege.com/ro](http://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. 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
• **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.

**Admission Requirements for the 2020/2021 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 12 (MAP4C or equivalent).

**PART I:**

• International applicants must provide proof of the subject specific requirements noted above along with proof of either: (IELTS / TOEFL) 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.

• Applicants with international transcripts must provide proof of the subject specific requirements noted above and may be required to provide proof of language proficiency.

**PART II:**

• Submission of Letter of Intent and Resume (details in Applicant’s Handbook available on program website).

**PART III:**

• 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).

  • Obtain a passport valid for duration of program, prior to commencement of Winter Term.

Applicants who have met Part I of the Eligibility and Selection process and have submitted the required Letters of Intent and Reference (Part II) will be accepted into the program. If the number of applicants exceeds the number of positions available, applicants will be assessed and ranked by a selection committee based on the Letters of Intent and Resume.

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.

**Admission Requirements for 2019/2020 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 12 (MAP4C or equivalent).

**PART 1**

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- Applicants with international transcripts must provide proof of the subject-specific requirements noted above and may be required to provide proof of language proficiency.

**PART II**

- Submission of Letter of Intent and Resume (details in Applicant’s Handbook available on program website)

**PART III**

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- Participate in a mandatory Program Readiness Camp orientation weekend (several dates available, details in Applicant’s Handbook available on 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: 613-735-4739

https://www.algonquincollege.com/pembroke

Additional Information

Programs at Algonquin College are Bring Your Own Device (BYOD). To see the BYOD requirements for your program, please visit: https://www7.algonquincollege.com/byod/.

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.

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.
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 as all are regulated by separate 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, licences 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).

For more information, contact Jeff Jackson, Program Coordinator, at 613-735-4700 ext. 2704 or mailto:jacksoj@algonquincollege.com.

**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
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
Corequisite(s): none

ENV0003 Rain Forest and Tropical Science

Students actively participate in the Algonquin Rain Forest Project by completing a week-long 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
Corequisite(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
Corequisite(s): none

GED7105 Professionalism and Ethics

Professionalism and ethics are the foundation for those preparing for leadership roles in the workplace, community and educational settings. By exploring the different facets of leadership theory and ethical dilemmas, students develop decision making, judgment, and personal value positions that form the basis for the examination of professional conduct and personal accountability.

Prerequisite(s): none
Corequisite(s): none

MGT7230 Human Resources

Personnel functions including human resources concepts, principles and practices are examined. Students learn techniques of personnel administration (staffing, development, incentives, and discipline). Effective management principles and employment responsibilities in personnel administration are learned (communication, decision making, motivation, change and leadership).

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

**MKT7200 Marketing the Tourism Experience**

Tourism operators face unique challenges in marketing their products. Students examine navigating these challenges. 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 Marketing and New Media**

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): none
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 rivers in Quebec 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): none
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.
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.

OAD7109 Camp Craft

Students develop camping, cooking and travel skills in a backcountry setting. 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.

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.

OAD7111 Whitewater Kayak I

Modern whitewater kayaking: kayak equipment, strokes and concepts, 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 moving water).

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.

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.
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. Soft cycling skills, riding responsibility and leadership are core elements of this course. Students participate in a full day mountain bike tour.

Prerequisite(s): none
Corequisite(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.

Prerequisite(s): none
Corequisite(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
Corequisite(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
Corequisite(s): none

OAD7200 Outdoor Adventure Leadership

The basis for leadership and a career in the outdoor adventure industry is presented. Decision making, judgement, and client safety are examined through case-based learning, trip planning and instruction. Group management skills are acquired through theory and practical exercises. This course is considered essential to the program and, as such, a passing grade is required in order to advance to the next level.

Prerequisite(s): none
Corequisite(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): none
Corequisite(s): none
OAD7213 Nordic Skiing I

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

Prerequisite(s): none
Corequisite(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
Corequisite(s): none

OAD7217 Wilderness First Aid Skills

This intensive first aid course is designed for professionals who work in remote settings. Principles of management and decision making are highlighted. 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. Students must have current Standard First Aid prior to registering in this course.

Prerequisite(s): none
Corequisite(s): none

OAD7218 Risk Management - Outdoor Adventure

Students are exposed to theoretical and practical applications dealing with risk in the outdoor adventure industry. Risk assessment, systems-based planning and prevention, control and mitigation strategies are studied. Managing emergency situations, training, planning and documenting are covered from the guide’s perspective. The Canadian legal system, liability and negligence, waivers and releases and insurance are looked at from the business perspective. This course is considered essential to the program and, as such a passing grade is required in order to advance to the next level.

Prerequisite(s): none
Corequisite(s): OAD7006

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. Skills are marked according to the CSIA and CASI Level one instructor standard.

Prerequisite(s): none
Corequisite(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): none
Corequisite(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 portagee (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 Specialist Level 3 curriculum, including anchors and mechanical advantage and qualifies for certification.

Prerequisite(s): OAD7110 and OAD7112
Corequisite(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): OAD7126
Corequisite(s): none

OAD7344 Canoe Guiding

Students prepare for canoe trip leading. Trip planning, logistics, navigation, 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
Corequisite(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 02 kayak instructor certification. Students should be comfortable paddlers and be able to roll.

Prerequisite(s): OAD7110 and OAD7111
Corequisite(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): none
Corequisite(s): none

OAD7351 Mountain Bike Guide/Trail Steward

Students demonstrate skills to enhance and develop their personal riding techniques, teach basic to intermediate riding techniques, plan and execute mountain bike day trips and acquire a basic theory and knowledge on sustainable singletrack trail design and on the fly maintenance. 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
Corequisite(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  
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): OAD7345 or 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. Land and resource management are examined for their role and relevance to adventure tourism both in Canada and internationally.

Prerequisite(s): none  
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.

Prerequisite(s): none  
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): none  
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 the 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 ATD 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): OAD7351
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): none
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): OAD7431

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): none
Corerequisite(s): OAD7431

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): none
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): none
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): none
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): none
Corequisite(s): none