

APPLICATION & COSTS

Application For Admission:

Interested students can register for courses through the Institute's website, www.ausable.org, or directly from the Institute by calling 231-587-8686. Current students at our participating colleges are eligible for admission upon submitting the admission application on-line and receiving approval from their Au Sable Representative. All other applications from students and colleges not formally affiliated with Au Sable will be reviewed for admission. Such students should initially contact the Admissions Office before enrolling or submitting their request through the Institute's website, www.ausable.org.

Course Enrollment:

Students may apply for enrollment in courses online at www.ausable.org. A full listing of all Au Sable courses and descriptions can be found at www.ausable.org/courses. A non-refundable application fee of US \$25 must be paid with the initial application (by check or on-line). After which, students must print an on-line enrollment form to have signed by their Au Sable Representative and the Registrar at their home campus and sent to the Institute by the postal service or fax. Upon official acceptance to the Institute, a tuition deposit of US \$400 for each academic session must be received within 14 days in order to reserve a space in the class. These deposits are applied to the student's tuition. Enrollment in each course is limited to 14 students, and therefore class enrollment is subject to cancellation until this deposit is received. In the event a student is not accepted by the Institute, the application fee and deposit fee will be refunded. If a student withdraws within thirty days of application, all deposit fees will be refunded within thirty days.

Tuition:

Students normally pay tuition to their home college for all courses taken at the Institute. Au Sable charges a uniform tuition rate of US \$2640 per 4 credit course, regardless of credit granted by the student's home institution. Courses taken at Au Sable Institute are listed on student transcripts as courses offered by the home institution.

Site Fees:

Site Fees are charged through the home college and vary by site. Site fees include room, board, transportation and site specific costs associated with each program location and session. Visit the Au Sable website or the Official Bulletin for details.

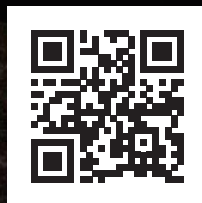
Financial Aid:

The Institute provides a generous financial aid program for students, including the Au Sable Fellowship (US \$1500), Grant-in-aid (US \$600), Missionary Earthkeeping Fellowship (US \$1000-2000), David C. Mahan Fellowship (US \$2000) Harold Snyder Fellowship (US \$3000), and Calvin B. DeWitt Leadership Fellowship (US \$5100). Students must formally apply for financial aid, with assistance and support of their college's Au Sable Faculty Representative, and be approved to receive it.

Visit www.ausable.org/courses for details on how to apply for Au Sable financial aid opportunities.



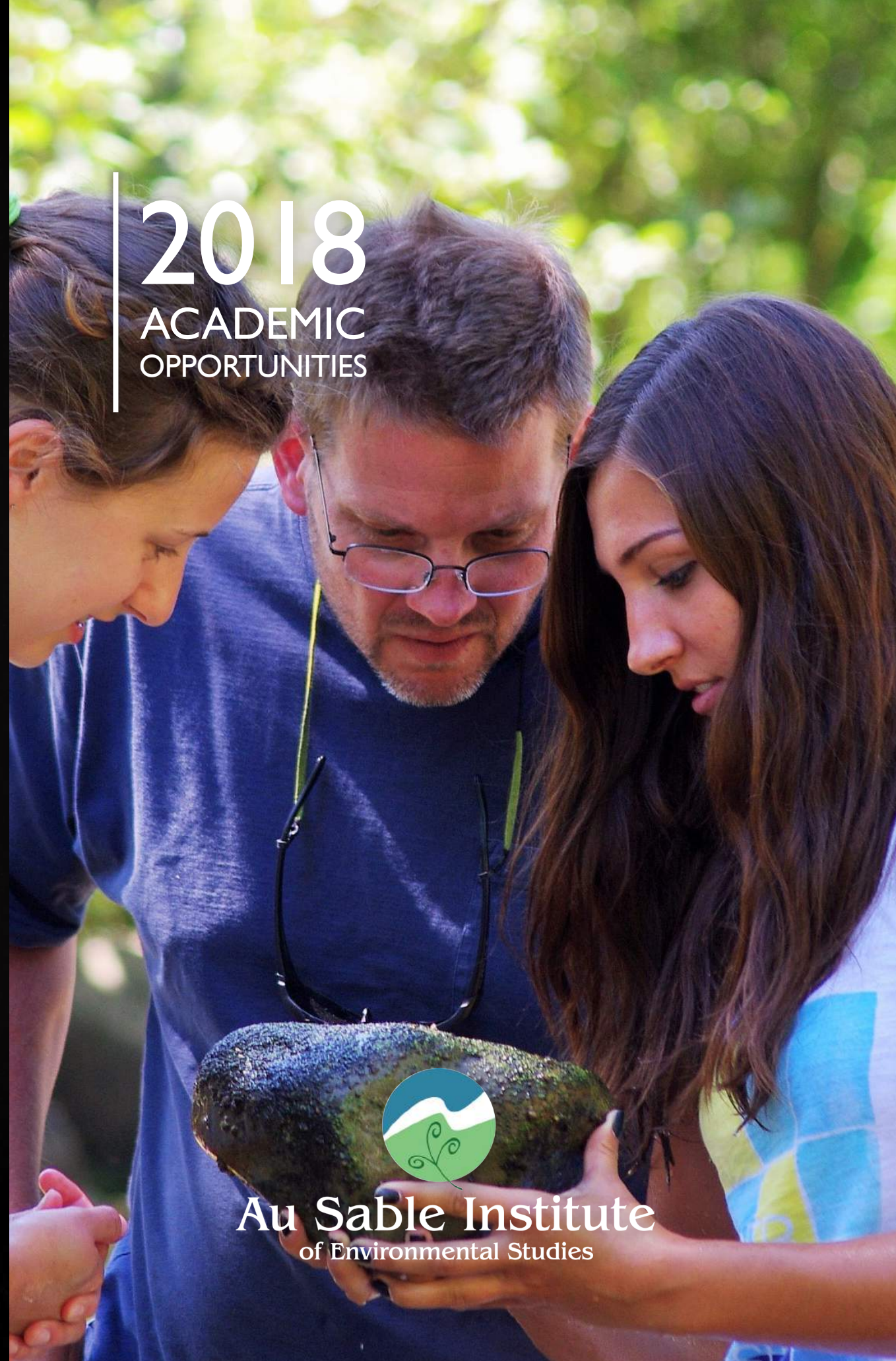
Au Sable Institute
of Environmental Studies



Au Sable Institute
Admissions Office
Tel: 231-587-8686
Fax: 231-587-5353
admissions@ausable.org
www.ausable.org

2018

ACADEMIC OPPORTUNITIES



Au Sable Institute
of Environmental Studies

2018 Academic Opportunities

Au Sable inspires and educates people to serve, protect, and restore God's earth.

Au Sable offers 25 field courses at its four campuses around the world for the 2018 academic year. Courses are open to undergraduates, graduates, and other qualified persons through our Participating Colleges. Each course is taught by a highly qualified professor in their area of expertise. Courses are four credits, unless otherwise indicated. Students can sign up for one course during the three-week session in May and two courses during the five-week Summer Sessions. Complete course descriptions and other information can be found at www.ausable.org or by contacting your school's Au Sable representative.

MAY SESSION MAY 14 - JUNE 1, 2018

AU SABLE - GREAT LAKES

Field Biology in Spring M-F
A field-based introduction to the natural history of plants and animals of the Great Lakes region, including their field identification, field biology, behavior and landscape context, with a focus on spring flora, birds, and natural communities of northwest Michigan.

Environmental Law & Policy M-F
Analysis of environmental policy-making and enforcement with field examples and practitioner interaction and consideration of issues of environmental ethics, justice and advocacy.

**Insect Ecology of Streams
Forests and Fields** M-F
Life history, behavior, and taxonomy of field and stream insects in northern Michigan and their management and conservation with practical applications in Integrated Pest Management and insect biodiversity conservation.

AU SABLE - COSTA RICA

Tropical Agriculture and Missions M-F
Agriculture skills and techniques for working with resource-poor farmers in tropical environments, including practical work with tropical plants and small animals, growing food under difficult conditions, and appropriate technologies.

AU SABLE - INDIA

**Conservation & Development
in the Indian Tropics** M-F
Tropical ecology and cultural immersion in South India, including a comparative analysis of coastal ecosystems, the plains, and montane tropical ecosystems of the Western Ghats, an internationally recognized "biodiversity hotspot."

M-F = Monday through Friday
Tu, Th = Tuesday and Thursday
W, F = Wednesday and Friday
M = Integration Day*

*Integrative Session M
All courses include attendance and participation in integrative sessions which meet on Mondays (Wednesdays at Au Sable-Pac Rim).

SUMMER SESSION I JUNE 4 - JULY 6, 2018

AU SABLE - GREAT LAKES

Conservation Biology Tu, Th
Principles of conservation biology with applications to sustainable human societies and ecological integrity, including the interrelation of population biology, ecological principles, biogeochemical cycles, ecosystem functions, and human society in the context of ecological degradation.

Field Botany Tu, Th
Field identification and ecology of vascular plants as components of natural communities, with emphasis on field examination of plants in regional communities and associated ecological features such as community stratification and plant zonation along ecological gradients.

Land Resources Tu, Th
A systems-level perspective on land forms and ecosystems with applications to policy and land-use planning. Includes analysis and interpretation of on-site data collected in the field, remote-sensing data derived from satellite and aerial imagery, and geographic information systems (GIS).

Animal Ecology W, F
Interrelationships between animals and their biotic and physical environments, emphasizing behavior and ecology of northern Michigan fauna.

Aquatic Biology W, F
Ecology, identification, systematics, and care of aquatic plants and animals, and adaptations to freshwater environments through studies in lakes, ponds, bogs, marshes, and streams and in the laboratory.

Research Methods I Tu
A course designed to prepare students with conduct direct, field-based scientific investigations at levels appropriate for graduate education or professional employment, including theories of experimental design, statistical analysis, articulating an experimental and testable hypothesis, and beginning data collection within an appropriate experimental design framework.
2 Credit

SUMMER SESSION II JULY 9 - AUGUST 10, 2018

AU SABLE - GREAT LAKES

Environmental Applications for GIS Tu, Th
Introduction to the theory and application of spatial analysis for environmental conservation and planning using geographic information systems (GIS) and remote sensing in the context of real world problems.

Lake Ecology and Management Tu, Th
Field study of lakes and other freshwater systems with applications to planning and management. Investigates representative lakes, streams, and wetlands of the region and develops prescriptions for stewardship of these water resources.

Wildlife Ecology Tu, Th
Ecology, conservation, and stewardship of wildlife species and their habitats. Includes growth and structure of natural and managed populations, environmental and human social factors affecting wildlife communities, and their impacts on wildlife conservation.

Environmental Chemistry W, F
Principles and analysis of chemical movement and distribution – both natural and human-induced – in natural environments. Sampling and analytical methods are included for water, soil, and air.

Restoration Ecology W, F
Ecological foundations and techniques for ecosystem and biotic community restoration. Applies ecological principles and environmental ethics to restoring degraded and damaged ecosystems and endangered species.

Watersheds in Global Development W, F
Principles of watershed ecology, including the principles and practice of community-based water monitoring, watershed management for developed and developing countries and techniques of data analysis and interpretation for policy and planning decisions.

Research Methods II Tu
Builds on Research Methods I with more specific instruction on analytical and statistical skills for data analysis, preparation of a manuscript for submission to a professional journal, and poster preparation and presentation.
2 Credit

AU SABLE - PACIFIC RIM INSTITUTE

Ecological Agriculture M, Th
Ecology of agricultural systems and how they achieve multiple outcomes: food for people, vibrant economies, and healthy ecosystems. Focus on agricultural principles for rural, urban, temperate and tropical settings as well as larger issues of justice and public policy.

Forest Ecology M, Th
Study the abiotic environment, species interactions and ecosystem processes in the contrasting forest ecosystems from the lowland temperate rain forests to the subalpine parklands of the Pacific Northwest.

Marine Biology M, Th
Biology of intertidal and marine ecosystems in the Pacific Northwest, including tropic dynamics in the intertidal zone, ecological roles of fish and sea birds, population and community structure dynamics, and biogeochemical processes and their linkages with the biosphere. Marine stewardship and effects of human activity are integral to the course.

Alpine Ecology Tu, F
Ecology of the mountains of the Pacific Northwest, with particular attention to adaptation of plant and animal life to montane climates and altitudes, and analysis and interpretation of altitudinal zonation of biotic communities with applications to latitudinal biogeography.

**International Development and
Environmental Sustainability** Tu, F
Principles of sustainable development, examining how social, cultural, and economic development coincide with environmental and natural resource protection. Considers an array of topics in detail, including tropical agriculture, hunger, poverty, international debt, appropriate technology, relief programs, missionary earthkeeping, conservation of wild nature, land tenure, and land stewardship.

Marine Mammals Tu, F
Biology, behavior, ecology, identification, and conservation of the marine mammals of the Pacific Northwest. Develops a stewardship perspective of the global conservation of marine mammals and their ecosystems.