

SUMMER SESSION 2022 in MONTANA AT FLATHEAD LAKE BIOLOGICAL STATION

Join us for summer field ecology courses!

GET...
OUT...
HERE!

Courses Offered in 2022

Jun 20-Jul 1	BIOE 400 Aquatic Microbial Ecology (3)
Jun 20-Jul 1	BIOE 440 Conservation Ecology (3)
Jun 20-Jul 15	BIOE 342 Field Ecology (5)
Jun 20-Jul 15	BIOB 494 Seminars in Ecology (1)
Jul 4-Jul 15	BIOE 451 Landscape Ecology (3)
Jul 18-Jul 29	BIOE 416 Alpine Ecology (3)
Jul 18-Jul 29	BIOE 439 Stream Ecology (3)
Aug 1-Aug 12	BIOE 453 Lake Ecology (3)
Aug 1-Aug 12	BIOE 458 Forest & Fire Ecology (3)



- ▶ Earn up to 13 credits, graduate early
- ▶ 1, 3, & 5 credit courses
- ▶ Undergrad 300/400 level courses
- ▶ Grad credit for 400 level courses
- ▶ Many scholarships available!
- ▶ Small class sizes
- ▶ Great instructors and facilities
- ▶ Same price for all students



Apply by January 16 for a \$100 discount at flbs.umt.edu/education!

About Our Program. The University of Montana's Flathead Lake Biological Station (FLBS) summer academic program emphasizes outdoor, experiential learning through direct observation of biota and ecological processes. We offer immersion-style 1, 3 and 5 credit (300/400 level) courses that run for 2 or 4 weeks. Undergraduate students can earn up to 13 credits in 8 weeks. The 400-level courses are also offered for graduate credit. Courses involve field trips to relevant sites within the Flathead Basin, including Glacier National Park. Many courses include overnight camping. [Begin your academic adventure in the "Crown of the Continent" by applying today!](#)

A Legacy of Ecological Education. The first FLBS field course was offered in 1899. Courses and faculty have changed over the years, but the FLBS high-quality education mission remains consistent with founder Dr. Morton J. Elrod's vision of sharing knowledge through field experience.

On the Shores of Flathead Lake. The FLBS campus is located on 80 shoreline acres on the east shore of Flathead Lake ~85 miles north of Missoula, Montana, USA. In this setting, you will live and study with a summer cohort of students from diverse backgrounds and locations. About 35 permanent research and education and support staff work at the Station year-round plus postdocs, grads, interns, and a steady flow of visiting investigators from around the U.S. and abroad.

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The FLBS Summer Academic Program is back! Courses may look a little different due to reasonable Covid-19 precautions, but FLBS is gearing up for the same great experience we've always offered.

Flathead Lake Biological Station, U of Montana, 32125 Bio Station Lane, Polson MT 59860-6815 USA
voice 406.872.4515 – email summersession@flbs.umt.edu – @flbsum – [instagram.com/umflbs/](https://www.instagram.com/umflbs/) – website flbs.umt.edu

Summer Courses at Flathead Lake Biological Station and Who May Apply

Courses carry undergraduate semester credits at the 300 or 400 levels and graduate credit at the 400 level. Credits earned at FLBS are transferable to degree programs at most colleges and universities and apply to University of Montana degree programs in Wildlife Biology, EVST, and Biological Sciences. Students may easily transfer credits to their home institution post session using the National Student Clearinghouse at studentclearinghouse.org/.

Summer courses at FLBS are physically and mentally demanding with full days comprised of field, lecture, and lab activity plus many additional hours studying and working on projects. Courses are rigorous but a fair amount of outdoor scholarly fun and camaraderie plus low student to instructor ratios result in a great learning experience.

All applicants including University of Montana students must submit an online application. Formal admission to the University of Montana (UM) is not required. Potential applicants must meet prerequisite coursework requirements to be accepted. Unofficial or official transcripts are submitted with the application. Medical history plus proof of health insurance must be provided in order to attend. Courses are also open to professionals meeting prerequisites.

International Applicants. International students currently attending a program in the U.S. may apply in 2022 as noted below. See flbs.umt.edu/apps/education/ss_international for additional information.

You may apply as an international student if you currently reside in the United States, you are enrolled in a SEVP certified postsecondary institution program on a F-1 or J-1 nonimmigrant visa, and you will not exit and reenter the United States from now through the first day of coursework at FLBS. You must also determine your home institution F-1/J-1 visa policies before applying to FLBS: F-1 visa students should contact their home institution's Designated School Official (DSO) about concurrent enrollment; J-1 visa students should contact the Program Sponsor Responsible Officer listed on their current DS-2019 about transferring their SEVIS record to the University of Montana.

You may not apply for 2022 as an international student if you currently reside outside of the United States, are not a U.S. citizen, or do not currently have a student nonimmigrant F-1 or J-1 U.S. visa.

How to Apply

Apply online at flbs.umt.edu/apps/education. Early application is important as classes often fill early.

- Use the website to
 - Create an application account.
 - Enter personal information, course selections, preferences, and optional demographic information.
 - Complete online acknowledgements.
 - Attach unofficial transcript(s) for undergraduate/graduate programs attended.
 - Attach international student forms as prompted.
 - Pay the \$50 nonrefundable application fee via online credit card transaction; international students may pay using FLBS' online *Flywire* portal.

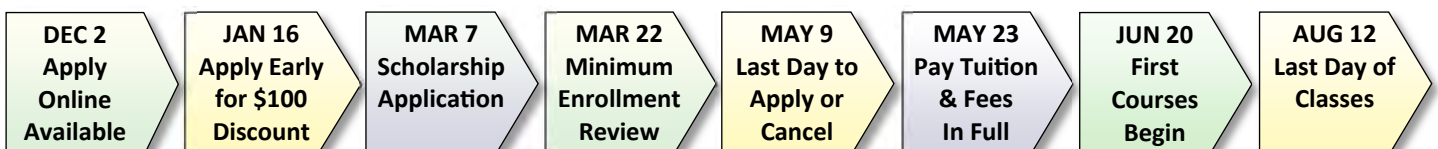


- EARN A \$100 EARLY BIRD DISCOUNT** by submitting your application no later than **JANUARY 16, 2022**.

Summer Session Acceptance. Submitted online applications are reviewed in the order received. Applicants will be contacted within two weeks about acceptance status. Full acceptance requires submission of a medical history form and if applicable, additional international forms. Courses not meeting minimum enrollment may be canceled.

The Biological Station does not discriminate in admission, in the provision or application of services or programs, or in employment or housing policies on the basis of race, gender, national origin or ancestry, marital status, creed, religion, color, political ideas, sexual orientation, age, physical or mental disability, veteran status, political ideas, marital or family status, pregnancy, genetic information, gender identity, or gender expression. FLBS is committed to providing an environment that is free from harassment and emphasizes the dignity and worth of every member of its community.

Important Deadlines! Contact us at summersession@flbs.umt.edu for any inquiries about deadlines.



Financial Aid Options

Students meeting eligibility requirements for the following types of financial aid must contact the Biological Station by emailing summersession@flbs.umt.edu or calling 406-872-4515 as soon as they are accepted.

- Americorps (Segal Americorps Education Award)
- Montana Vocational Rehabilitation
- Veteran Readiness and Employment (Chapter 31)
- For University of Montana students with Federal Financial Aid, any remaining award from the preceding academic year may be available to students taking 6 credits or more of FLBS summer courses.
- For degree program students at other universities (not a University of Montana student), contact your home institution's Financial Aid Office about processing a Consortium Agreement with University of Montana (host institution) to request summer financial aid through your home institution.

Scholarships

Many academic scholarships are available to individuals accepted into the FLBS summer academic program. Who may apply? *Applicants with* sophomore or above class standing at the end of Spring 2022 having a minimum GPA of 3.0 in the general area of the life sciences may apply. All accepted FLBS summer undergraduate or graduate students meeting these criteria are strongly encouraged to submit scholarship application materials as a very high percentage of scholarship applicants receive an award.

How to Apply for a Scholarship

1. Complete a summer session application at flbs.umt.edu/apps/education.
2. Submit/upload a statement about why you wish to attend FLBS. Indicate which courses or research work will be undertaken during the summer session. Explain how participation in courses and research at FLBS are relevant to your university curriculum or your plans for future work (see 4 for transmission options).
3. Students may optionally strengthen their scholarship application by documenting financial need. Submit a pdf or print copy of the FAFSA SAR for 2020–2021 or 2021–2022 (see 4 for transmission options).
4. Applicants may upload application materials to their online application or send print copies to Scholarship Committee, Flathead Lake Biological Station, Univ. of MT, 32125 Bio Station Lane, Polson, MT 59860-6815 USA.
5. Two letters of reference from faculty (or equivalent) must be submitted in support of your application. Letter writers must email letters directly to summersession@flbs.umt.edu or send letters to Scholarship Committee, Flathead Lake Biological Station, Univ. of MT, 32125 Bio Station Lane, Polson, MT 59860-6815 USA.
6. *Applicants must confirm that all scholarship materials due March 7, 2022 have been received.* Incomplete applications will not be considered. Confirmation inquiries may be emailed to summersession@flbs.umt.edu.

Scholarships are provided through the generosity of many donors.

FLBS General Scholarship Fund
FLBS Graduate Fellowship Fund
Richard and Jane Solberg Scholarship
James J. Elser Scholarship
Jack Stanford Graduate Scholarship
Jack and Suzi Hanna Scholarship
John and Rosanne Elser Scholarship
Dr. Pamela Hallock Muller and Dr. Robert G. Muller
Field Research Scholarship
Charles and Myrna Hall Scholarship
Bierman Research Endowment
Mary Elrod Ferguson Memorial in Honor of M. J. Elrod

James and Wanda Hollensteiner Scholarship
Dr. Robert L. Gilbertson Scholarship
Bonnie Ellis Endowed Scholarship
Everit and Nikki Sliter Family Scholarship
Matthew Levitan Scholarship
Charles Levitan Scholarship
Mark Levitan Scholarship
Robert Levitan Scholarship
Sara Spero Levitan Scholarship
James Hunter and Colleen Shaw Dion Endowment
Eric and Tootie Myhre Scholarship for FLBS



Biological Station Cabins



Prescott Dining Hall



Lakeside Classrooms

Summer 2022 Course Offerings - Four Week Courses

To participate in FLBS courses marked ●●●, you must be in good physical condition, able to hike up to 10+ miles a day in strenuous conditions at altitude, and properly equipped for a great deal of hiking!

●●● FIELD ECOLOGY, BIOE 342, 5 credits, June 20–July 15, Monday–Thursday full days plus Friday half day

Prerequisites: College-level biology, chemistry, and mathematics or equivalents; or consent of instructors. The course engages major concepts and approaches in modern ecology via immersive field experiences, hands-on sampling, and project-based



learning in both aquatic and terrestrial habitats. Topics range from physiological and behavioral ecology to population and community ecology to ecosystem ecology and touches on themes of disturbance, invasive species, and climate change. The course will build students' natural history knowledge of the biota of the Rocky Mountain region while directly engaging them in active research projects of the instructors. Ecological phenomena will be examined in real time and real life. All-day and overnight trips will be conducted throughout the course, taking students into a range of aquatic and terrestrial environments near the Biological Station and the adjacent mountain areas including Glacier National Park. Students will conduct directed measurements connected to ongoing

research projects of the faculty, developing technical skills as well as skills in scientific analysis and interpretation in written and oral form. *Instructors – Dr. James Elser, FLBS-U of Montana flbs.umt.edu/urls/people and Dr. Diana Six, U of Montana cfc.umt.edu/personnel/details.php?ID=1140*

SEMINARS IN ECOLOGY & RESOURCE MANAGEMENT, BIOB 494 June 20–July 15, 1 Credit (CR/NCR) This course may be taken with other courses in the first 4 weeks of summer session. Seminars include presentations and discussions focused on local environmental issues and problems. *Instructor – Dr. Gordon Luikart, FLBS-U of Montana flbs.umt.edu/urls/peo*

Summer 2022 Course Offerings - Two Week Courses

AQUATIC MICROBIAL ECOLOGY, BIOE 400, 3 credits, June 20–July 1, Monday–Friday full days

Prerequisites: One year of college-level biology, chemistry, and mathematics or consent of instructor. The course provides a conceptual foundation and hands-on field and laboratory training in modern methods in aquatic microbial ecology. Lectures, laboratories, field trips, and in-class discussions will be used to explore topics such as physiology and metabolism of aquatic microbes; methods and tools for assessing microbial diversity, biomass, and growth; and the role of microbes in bioelemental cycles. Students will gain hands-on experience with both cultivation-based approaches and cultivation-independent methods for studying environmental micro-organisms. The heavy field-based emphasis is intended to provide an experiential learning environment. *Instructor – Dr. Matthew Church, FLBS-U of Montana flbs.umt.edu/urls/people*



CONSERVATION ECOLOGY, BIOE 440, 3 credits, June 20–July 1, Monday–Friday full days

Prerequisites: One semester of college-level biology and an ecology course or consent of instructor. This course emphasizes application of basic biological research to problems in conservation and management with a focus on science, human dimensions, and policy interface in three main disciplines/areas in conservation biology: Ecology, Evolution, and Human Dimension. Primary course themes are: effects of introduced species on biodiversity, population abundance and connectivity, units of conservation and the Endangered Species Act, and general organismal field ecology. Themes are applied to case studies chosen to illustrate general principles and important issues in conservation and to facilitate discussions with professional field and conservation biologists. We meet with professionals from government or nongovernment organizations providing a special opportunity to interactively learn by working side by side with conservation biologists, researchers, and natural resource managers from USGS, Montana FWP, US Forest Service, and the National Park Service. *Instructor – Dr. Gordon Luikart, FLBS-U of Montana flbs.umt.edu/urls/people*



●●● LANDSCAPE ECOLOGY, BIOE 451, 3 credits, July 4–15, Monday–Friday full days

Prerequisites: One year of college-level biology, chemistry, and mathematics, and an ecology course or consent of instructor.



Introduction to the physical and ecological processes shaping landscapes, how these biological and physical processes interact, and how they are responding to global change. We examine how plants and animals are distributed across landscapes, how the physical template of the environment shapes species distributions and how biotic feedbacks can influence the physical environment. Processes of pattern formation in the environment such as disturbance from fire and how landscape pattern can affect both physical and biological processes will be examined. Field trips underscore concepts and allow data gathering and interpretation by students. Students are introduced to geospatial technologies such as Geographic Information Systems (GIS) and the use of R, a data analysis and

visualization platform, which has become the standard in tbiological and earth sciences. Students analyze and interpret data through analyses and written presentations. *Instructor – Dr. Solomon Dobrowski, U of Montana cfc.umt.edu/personnel/details.php?ID=1110*

Summer 1022 Course Offerings - Two Week Courses (Continued)

●●● ALPINE ECOLOGY, BIOE 416, 3 credits, July 18–July 29, Monday–Friday full days

Prerequisites: One semester of college-level biology, an ecology course, or consent of instructor. Exploration of distribution, abundance, and biotic interactions of plants and animals and their unique ecophysiological adaptations to life in the rigorous environments of high mountains above the timberline, with emphasis on the Crown of the Continent area. Students learn about distribution of plants and animals and study processes and interactions that are the foundation to ecology in alpine environments. Emphasis is placed on the processes that organize communities including drivers of global climate and complex interrelationships of biotic and abiotic interactions, including natural and human components as modifiers of system dynamics, and how those processes affect alpine systems. Field trips and data intensive class projects underscore major concepts and allow training in data collection, analysis, writing a scientific paper, presentation and interpretation by students. *Instructor – Dr. Wendy Ridenour, U of Montana Western* umwestern.edu/faculty/wendy-ridenour-ph-d



STREAM ECOLOGY, BIOE 439, 3 credits, July 18–July 29, Monday–Friday full days

Prerequisites: One year of college-level biology, chemistry, and mathematics, and an ecology course or consent of instructor. Stream Ecology is the study of physical, chemical and biological processes in streams. F.-A. Forel coined limnology as the “oceanography of lakes.” Here we will do the same for streams and rivers by studying the ecology of streams rather than simply ecology in streams. This goal requires that students integrate across scientific disciplines to learn principles, concepts and methods of stream ecology in field, lecture, laboratory, and discussion settings. Daily participation, examinations, and written and oral reports of independent or group studies as directed by the professor are required. *Instructor – Dr. Robert Hall, FLBS-U of Montana* flbs.umt.edu/urls/people



LAKE ECOLOGY, BIOE 453, 3 credits, August 1–12, Monday–Friday full days

Prerequisites: One year of college-level biology, chemistry, and mathematics, and an ecology course or consent of instructor. This course examines physical, chemical, and biological characteristics of lake ecosystems; also how physical processes—circulation and stratification, nutrient loading and cycling, primary and secondary production and food web interactions, and the role of atmospheric and land use/watershed—affect water quality. This course focuses on functional relationships and productivity of plant and animal assemblages in lakes as regulated by physical, chemical and biotic processes. Fundamental concepts of ecology as they relate to the aquatic environment are emphasized. Limnological principles are presented within the context of regional and landscape spatial scales. Students learn basic and contemporary methods of study in field settings potentially including Flathead Lake, glacial lakes of Glacier National Park and Swan Valley, and nutrient rich lakes. Emphasis is directed toward experiential learning and obtaining hands-on examination and characterization of lakes that will serve the student well throughout their career. *Instructor – Dr. Shawn Devlin, FLBS-U of Montana* flbs.umt.edu/urls/people



●●● FOREST AND FIRE ECOLOGY, BIOE 458, 3 credits, August 1–12, Monday–Friday full days

Prerequisites: Consent of instructor. Introduction to aspects of population, community, landscape and ecosystem ecology, including the interactive biophysical attributes and processes of forest ecosystems. Students observe and learn about plant distributions and plant community structure, including principles of plant ecology, ecophysiology, and ecological disturbances, especially wildfire. Energy and materials transfer and feedbacks are used to describe complex interrelationships driving the dynamics of these systems, including both natural and human components as modifiers of systems dynamics. Students learn how data are collected to maximize information used to answer scientific questions. Field trips and field laboratory exercises are complemented with quantitative analysis of student-collected data, including tree demographic analysis, community composition and structural change, and analysis of net primary productivity and forest carbon stocks. *Instructor – Dr. Andrew Larson, U of Montana* cfc.umt.edu/personnel/details.php?ID=1710



Summer 2022 Course Offerings Independent Study 1 to 8 Credits

ADVANCED UNDERGRADUATE RESEARCH, BIOE 490, 1–10 Credits (CR/NCR) Independent research experience in field ecology associated generally with the various research projects at FLBS. Projects are mentored by permanent and visiting FLBS faculty. Send us a short outline of research work you would like to undertake.

UNDERGRADUATE THESIS, BIOB 499, 1–6 Credits (CR/NCR) Prerequisite: Senior standing and consent of instructor. Objective is to prepare a thesis/manuscript based on undergrad research in field ecology for presentation and/or publication. Student must give an oral presentation at the Biological Station. Student provides short outline of proposed research work.

RESEARCH IN ECOLOGY, BIOB 596, 1–8 Credits (CR/NCR) Open only to non-UM graduate students. The purpose of this independent research is to solve a specific ecological problem unrelated to thesis or dissertation as identified and examined by the student under mentorship of a Biological Station professor. Independent research includes design, analysis and reporting of ecological data. Student provides outline of proposed research work.

Fees, Housing, Check-In, Payment, and Refunds and Cancellation

Fees. Course fees for residents of Montana and nonresidents are \$600 per credit. Total fees are based on credits (Table A) plus housing and meal plan (Table B). Students who submit their application and pay the \$50 application fee on or before Monday, January 16, 2022, receive an Early Application Discount of \$100. *Health insurance is not included in fees.* All summer session students are required to carry health insurance valid in Montana for emergency and routine healthcare. Medical facilities are available in nearby towns of Polson, Bigfork, and Kalispell.

Housing and Food Service. Living on the Biological Station grounds is required to allow full-time interaction between students, instructors, and the world-class research program here. There are 30 double occupancy (12' x 14') cabins. All cabins are heated and furnished with lights, electricity, two twin-size beds, chairs, desks, and closets. Restroom and shower facilities are located near the cabins. The G. W. Prescott Dining Hall has indoor or outdoor dining overlooking Flathead Lake. Housing and dietary preferences are selected when you apply.

Most applicants opt for cabin double occupancy at \$50 per week. Single cabin occupancy is \$100 per week and contingent on availability. Single room occupancy may be required due to COVID-19 precautions. If you select double occupancy and single occupancy is required at a later date, FLBS will automatically change your application to single room preference and single room rates. Roommates are assigned by gender and other preferences (e.g., nonsmoker). All housing assignments are final.

Food service rates are \$500 per 2-week session. Food service includes breakfast, lunch, and dinner beginning the first day of course-work through the last day of class. Most reasonable dietary requests are filled, although due to facility and resource limitations, not all requests are accommodated. Students may opt to supplement food service meals to meet their needs and preferences.

Monday through Fridays, students are served hot meals for breakfast and dinner. Lunches are packed by each student during breakfast and consist of a variety of options each day. Weekend meals are available to students continuing to attend courses the following week. Weekend meals (B, L, and D) are packed by kitchen staff for each student with attention to dietary preferences. Individually labeled sacked meals are available by ~3 PM each Friday afternoon. Menus for field trips and overnight excursions are selected by the course instructor and kitchen staff to complement the overnight camping experience. Dietary preferences are taken into account for all preplanned meals and menus. Questions? Send email to summersession@flbs.umt.edu or call 406-872-4515.

Check In. Check-in information is provided in the student's acceptance letter. A check-in packet is also provided on day of arrival at the Elrod Building Main Office entrance.

- ♦ Check in on Sunday afternoons after 3 PM (the day before your first scheduled class). For students arriving on Sunday, June 19, 2022, an evening meal is provided ~5:30 PM followed by an orientation meeting. Sunday evening meals are not provided for students arriving July 4, July 18, or August 1 but plan to check in by 5 PM to attend orientation.
- ♦ Check out by 11:00 PM on the day following your last scheduled class day.
- ♦ Pets are not allowed on Station grounds.
- ♦ As part of the University of Montana, FLBS is a tobacco-free campus.
- ♦ Campfires are not allowed on Station grounds.
- ♦ Due to the danger of forest fires, personal cooking by students is not allowed.

Summer Session Payment. Tuition, housing and meal plan fees are due in full no later than May 23, 2022. Pay by this date to guarantee enrollment in first choice courses. Late payment may result in first choice courses being reassigned to waitlist applicants. Students may make online payments at flbs.umt.edu/apps/education with a VISA, Mastercard, or Discover credit card. FLBS also accepts payments via *Flywire*, the international funds transfer online service. Students may send a check made payable to University of Montana (drawn on a U.S. bank) to Flathead Lake Biological Station, Attn: Summer Session, 32125 Bio Station Lane, Polson, MT 59860-6815 USA.

Cancellations and Refunds. No later than Monday, May 9, 2022, cancel your online application or send an email to request cancellation to summersession@flbs.umt.edu. Fees, excluding the nonrefundable application fee, paid on or before this deadline will be refunded. Cancellations made after this deadline may result in forfeiture of all fees paid to date.

Table A. Course Fees

Credits	Tuition	Credits	Tuition
1	\$600	8	\$4,800
3	\$1,800	9	\$5,600
4	\$2,400	10	\$6,200
5	\$3,000	11	\$6,600
6	\$3,600	12	\$7,200
7	\$4,200	13	\$7,800

Table B. Housing & Meal Plan Fees

	Housing & Meal Plan Fees	
	Cabin Double	Cabin Single
2 Weeks	\$600	\$700
4 Weeks	\$1,200	\$1,400
6 Weeks	\$1,800	\$2,100
8 Weeks	\$2,400	\$2,800

Other Services

FLBS Bookstore. Textbooks and basic course supplies may be purchased at the FLBS Bookstore. See syllabi for books, supplies and gear needed for coursework. Cash, personal checks, traveler's checks, money orders and credit cards (Discover/MasterCard/Visa) are accepted in payment for books and supplies.

Banking and Telephone Services. The nearest bank for cashing personal checks and ATM is 15 miles north of the Station in Bigfork. The nearest ATM is at Woods Bay (10.5 mi). Traveler's checks or a debit/credit card offer added convenience for the duration of your stay. Cell phone service is available in this area, but coverage may be spotty.

Climate and Dress

Generally, everyone dresses casually. The month of June can be somewhat chilly and damp. Bring a cold weather jacket and warm clothes (layers recommended). See average area temperatures below.

	June	July	August	June	July	August
Average Highs	71 °F	80 °F	78 °F	22 °C	27 °C	26 °C
Average Lows	44 °F	47 °F	46 °F	7 °C	8 °C	8 °C

Student Mailing Address

You will be assigned a box for mail and messages. Incoming mail, or shipped items (FEDEX, UPS, USPS) should be addressed using the following address:

Your Name
32111 Bio Station Lane
Polson, MT 59860-6815

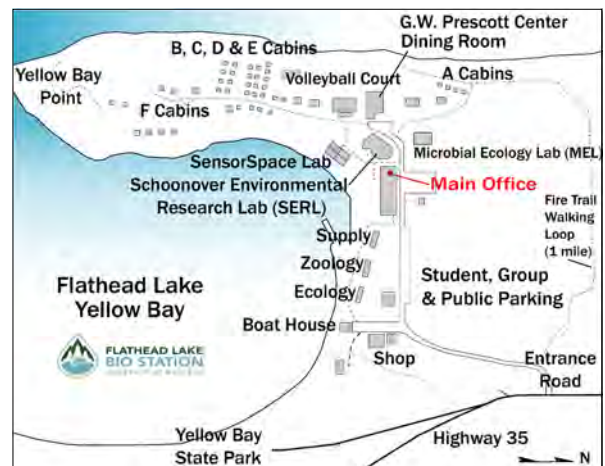
Computers / Internet Access

Students are required to bring their own laptop to access shared server storage and software, wireless internet, and classroom printers. FLBS will work with students unable to bring a personal laptop due to financial hardship. Microsoft Office is also recommended for optimal collaboration with faculty and peers.



Items-to-Bring Checklist

- Blanket, bedsheets (twin), pillow and pillow case, alarm clock
- Towels and toiletry articles
- Proper clothing plus cap / hat
- Full rain gear is essential plus umbrella
- Hiking boots (not too stiff, and broken in)
- Hot/cold mug and water bottle (2-liters required)
- Lunch pack-up container (small divided/two small containers)
- Flashlight and headlamp, batteries
- Laundry soap and quarters for laundry (~\$4 per wash & dry)
- Sunglasses, sunscreen, and insect repellent
- Daypack and backpack, sleeping bag
- Mess kit for field trips and weekends (plates, cups, storage container, eating utensils)
- Camera or binoculars (optional)
- Laptop computer
- Cell phone
- Money / ATM card
- Additional safety items may be required to participate in courses, e.g. masks; hand sanitizer bottles for field trips; packable thermometer
- See checklists and all logistics info at:** https://flbs.umt.edu/apps/education/ss_logistics.aspx



Travel Options and Rides to FLBS

- 1) **Driving**—Many students drive their own vehicles to the Biological Station; follow this link for directions to FLBS at flbs.umt.edu/about-flbs/location-directions. Students without a vehicle will need to network with other students to get to town or for weekend adventures.
- 2) **FLBS Student Rider Board**—If you need riders or need a ride, visit the Student Rider Board (available after you apply). FLBS does not mediate issues with rides arranged on the Rider Board.
- 3) **Flying**—We strongly advise flying into **Glacier International Airport (FCA), Kalispell, MT 59901 USA ~40 miles north of FLBS**, with an arrival time prior to 4 PM on the Sunday before your coursework begins. You must prearrange ground transportation 48-hours or more in advance for taxi, shuttle, or limo service. Students may find that it is cheaper (**but not recommended**) to fly into Missoula International Airport (MSO) ~85 miles south of FLBS. You might save money on a flight into Missoula, but depending on your flight arrival time, significant additional time and cost may be involved getting to FLBS, e.g., overnight stay in Missoula, taxis from airport to Missoula, and up to double the shuttle/taxi cost to FLBS re: 80 miles Missoula airport to FLBS vs 40 miles Kalispell airport to FLBS.
- 4) **Train**—Amtrak makes a daily stop in Whitefish (~47 miles north of FLBS). The westbound train arrives late in the day, while the eastbound arrives early in the morning. Travelers must make ground transportation arrangements from Whitefish to FLBS.



Airport/Amtrack Train Depot to FLBS Ground Transfer Options

- 1) Find a ride on the FLBS Rider Board by logging in to your online application at flbs.umt.edu/apps/education. Fill in the pertinent arrival information for sharing a ride and check for students with vehicles offering rides.
- 2) Glacier Park International Airport ground transportation options may be found at flyglacier.com. Prearrange shuttle/taxi/limo pickup at a minimum of 48-hours in advance of arrival. Ground transportation resources are limited, so make reservations well in advance of arrival. **Hint:** Use the FLBS Rider Board to find students arriving at the same airport on same day to share a reservation to reduce the cost of ground transportation.
- 3) Missoula International Airport (MSO) ground transportation options direct from Airport to FLBS may be found at flymissoula.com/ground-transportation. Prearrange shuttle/taxi/limo pickup at a minimum of 48-hours in advance of arrival. Ground transportation resources are limited, so make reservations well in advance of arrival. **Hint:** Use the FLBS Rider Board to find students arriving at the same airport on same day to share a reservation to reduce the cost of ground transportation.
- 4) Greyhound Bus – Only 1 bus runs daily Missoula to Polson; preticket at locations.greyhound.com/bus-stations/us/mt/missoula/bus-station-760364. Prearrange a taxi to take you from the Polson bus stop to the Biological Station.



GET OUT HERE!

**SPEND SUMMER 2022
ON FLATHEAD LAKE.**

Learn ecology in paradise!

Early applicants get a discount and are more likely to secure a slot in their first choice courses.

APPLY ONLINE AT
flbs.umt.edu/apps/education

**Don't wait too long...
classes fill early!**

**APPLY BY January 16, 2022
for a \$100 discount!**