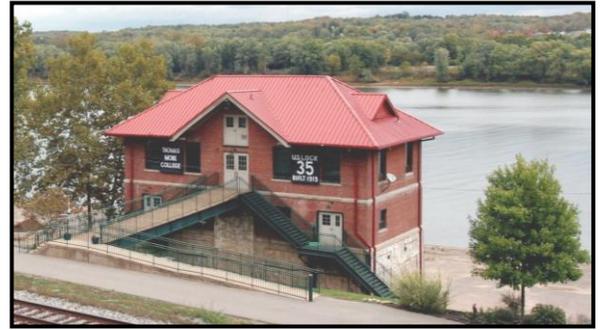


**2019 Research Internships at the
Center for Ohio River Research & Education
Thomas More University Biology Field Station**
(www.thomasmore.edu/fieldstation)



The Center for Ohio River Research & Education (CORRE) at the Thomas More University Biology Field Station is offering **8 paid research internships for undergraduate students**. These internships are primarily in the fields of aquatic biology, ecology and environmental science. Projects involve animal husbandry (fish & mussels), aquaculture, aquatic toxicology, big river sampling, and bioassessments/biomonitoring.

Time Period: Internships begin on May 27th and finish August 02, 2019, with the week of July 01st off.

Internships include a stipend (\$3000) and free on-site housing. Students are responsible for food & travel.

Applications are due by Friday, February 01, 2019

Eligibility (*These are the minimum requirements for eligibility.*)

- Good Academic Standing and a **minimum 3.00 G.P.A.**
- Successful completion of General Biology I & II or General Chemistry I & II (or equivalent courses)
- Preference will be given to students with career aspirations in aquatic biology, ecology, environmental science and/or fisheries.

Application Materials (*Hard copies or electronic applications are acceptable.*)

- Cover Letter
- Unofficial Transcripts
- Resume or CV—limited to 1 page
- One Letter of Recommendation (*submitted with the other materials or sent directly to Dr. Lorentz*)
- Application Form (can be found at www.thomasmore.edu/fieldstation under Research)



- Submit all application materials to:
Chris Lorentz, Ph.D.
Professor of Biology
Thomas More University
333 Thomas More Parkway
Crestview Hills, KY 41017
lorentc@thomasmore.edu

(Both hard copies & electronic applications are acceptable.)

Brief Descriptions of the Summer Internships

I. Research Internships*

The TMC Biology Field Station is offering 6-8 full and halftime internship positions which include a 3,000 stipend for 10 weeks, over the course of the summer, AND free on-site housing. The positions will begin on May 27 and end on August 02, with a mid-summer break from June 28-July 07. Interns may move in as early as Friday, May 17, but no later than Sunday, May 26.

** For students who wish to earn academic credit for their internship, they may register for credit(s) in the fall semester at their home institution. The expectations for these credits will be outlined prior to registration.*

The CORRE interns will be assigned to one or more of the following projects:

- **Bioassessment of the Ohio River (aka River Crew):** This study is part of the long-term monitoring of the Ohio River near Zimmer Power Plant in Moscow, OH which began in 1971. Work includes physiochemical sampling, fish collections and habitat analyses. The hours are generally from 9am-12pm and 6-9pm, Monday-Friday. Night electrofishing will occur from 9pm-12am four times during the study. Fish tissues will be collected for DNA sequencing analyses.
- **Stream Assessments (aka Stream Team):** This project entails extensive stream assessments throughout Northern Kentucky, in conjunction with the Sanitation District No. 1 and the Boone County Conservation District. Interns will work alongside biologists from these agencies to conduct bacterial tests, physiochemical sampling, fish & macroinvertebrate collections and habitat analyses. All work will occur during the day from Monday-Friday.
- **Animal Husbandry (aka Lab Team):** These positions entail working in the aquaculture labs at the Station, designed for the propagation of freshwater fish and native mussels. Work includes daily monitoring of the fish and mussel tanks, physiochemical sampling, tank maintenance. In addition, interns will conduct two types of experiments. The first is in collaboration with the Ohio State University and the US/KY Fish & Wildlife Services, to identify fish species that serve as hosts for native mussel larvae and propagate native mussels. The second is experiments in aquatic toxicology, conducted in collaboration with the USEPA, located nearby in Cincinnati, OH. This internship is primarily lab-based, unlike the previous two which are primarily field-based.
- **Other Projects:** Smaller research projects, including curatorial work on the *John W. Ferner* Vertebrate Zoology Collections will also occur this summer. Interns are also required to develop an **Independent Study project** that is related to one of the main projects outlined above.

II. Other Related Activities

- **Environmental Educators:** Throughout the summer, various outside groups will visit the Field Station for tours and/or hands-on lessons in aquatic biology. The research interns are expected to assist with these activities.
- **Camp Mentors (July 14-July 19):** Research interns will also serve as camp mentors during a S.T.E.M. camp for approximately 20 high school students. Mentors will assist faculty with the daily educational activities and social events throughout the week. Meals are provided during this week.
- **Thomas More Students only: Work-Study Jobs** (throughout the summer at \$7.25/hr): Positions entail performing tasks in landscaping, maintenance and custodial work. Hours are flexible and determined by the Station Director and each intern.

CORRE Internship Application Form

(Please submit this form, along with a cover letter, resume transcripts & letter of recommendation, by Feb. 01.)

Name: _____ D.O.B. _____

Email Address: _____ Phone: _____

Permanent Address: _____

School: _____ Class Year: _____ GPA: _____

Major(s): _____ Major Advisor: _____

Career Goals: _____

Relevant Coursework and/or Related Experiences: _____

Please rank each research position below, according to your interest level (i.e. #1 being your most desired).

- Ohio River Bioassessment
- Stream Assessments
- Animal Husbandry
- Work-Study Job (open to TMC students only)

A note about housing at the Field Station:

On-site housing for interns consists of three separate houses, each with 3-4 bedrooms, a living room, kitchen, dining room, full bathroom and basement. Washers and dryers are also available in each house. Interns typically will have their own bedroom, pending space. Housing assignments are made according to age, gender and home institution.

The houses do not have air conditioning, and interns are required to prepare their own meals and pitch in with keeping the houses clean & orderly; so be sure that you can tolerate such conditions, before applying for these internships.)