

# BSCI Breaking News



February 20, 2009

## In This Issue

- Senior MFAT Registration!!!!!!!
- Looking for a Summer Individual Investigation?
- Summa Health System Summer Research Fellowships
- Summer Positions at KSU
- Summer Course Registration
- Ross University Information Seminars
- The California School of Podiatric Medicine
- Ohio EPA Summer Internships
- Job Op: Field Technician
- National Resource Technician
- DNR Providing Summer Work
- Research Experience for Undergraduates at Stone Lab

## Links

Dept. Web Page



## ATTENTION Seniors!

**MFAT Registration has begun: Signup Deadline is March 10, 2009**

### TO ALL STUDENTS PLANNING TO GRADUATE SPRING, SUMMER OR FALL 2009

Every candidate for an undergraduate degree is required, as a condition of graduation, to pass the MFAT assessment. The Department of Biological Sciences administers the **Major Field Achievement Test** for this purpose.

- All seniors who plan to graduate **May, August, or December 2009 must take this exam**
- This applies to all B.S. and B.A. Biology, Botany, Conservation, and Zoology majors
- The exam requires three hours to complete and is a standard multiple-choice test.
- It is administered at no cost to the students.
- Individual results are held in the strictest of confidence in the departmental office and are not shared with the faculty.

For the Department the MFAT is important to both you and us because we are compared to other departments. This affects our rankings and how others perceive our program. Perception of our department's ability to produce quality graduates affects your chances to find employment or further post-graduate study.

<http://bioweb.biology.kent.edu/>

Natural Sciences Education Web Page

<http://bioweb.biology.kent.edu/nse/nse.html>

**Items to contribute?**

Please e mail [aleff@kent.edu](mailto:aleff@kent.edu)

use the results to assess what you learned while you were here, and we use the results to a of our teaching and courses.

This semester we will be administering the MFAT on:

MONDAY	APRIL 20	11:00-2:00 P.M.	ROOM 13 CHH
TUESDAY	APRIL 21	11:00-2:00 P.M.	ROOM 101 CHH
WEDNESDAY	APRIL 22	11:00-2:00 P.M.	ROOM 13 CHH

- Please pick up a form in room 256 Cunningham Hall and return it by Friday, March 2 time.
- The MFAT will not be offered again until Spring, 2010. If you do not take the exam, There are no exceptions to this requirement.
- Information about the exam and sample questions can be found at <http://www.ets.org>
- If you have any questions, please see Dr. Carlson in room 256 during his office hour Thursday, 9:30-12:00 or call 330-672-3613.

---

## Looking for a Summer Individual Investigation?

If you are interested in graduate school, there is no better way to see whether you are cut out your summer working in a research laboratory. Many of our faculty will accept students to v research project. We have two courses that you can take: Introduction to Individual Invest for Freshmen and Sophomores that have just finished their introductory courses in Biology, and Investigation for BSCI majors who have taken 18 hours of Biology.

A list of faculty members looking for students is being updated and should be available late r

---

## Professors and Pizza

Applying to Medical, Pharmacy, Dental, Veterinarian, or Graduate School...Interested in do to know your professors better? If so, come to our Professors and Pizza event for a chance to favorite biology professors on **March 16<sup>th</sup>, 2009, 7:00-9:00 p.m. in the Biology Annex Bui**

**\$5.00 Minimum Donation**

**ALL proceeds go to Children's Miracle Network!**



**Hosted by: Phi Delta Epsilon**

**Pre-Medical Fraternity**

**Pizza, Snacks, and beverages provided!**

**Raffles for MCAT book bundle, and gift certificates!**

---

## **SUMMA HEALTH SYSTEM SUMMER RESEARCH FELLOWSHIPS**

Summa Health System will sponsor 24 Summer Research Fellowship positions during the summer for students interested in acquiring hands-on medical research training. The projects have been selected to provide the student a beneficial and educational experience in either basic (laboratory-based) biomedical research or behavioral research. The ability of Summa Health System to provide quality patient care contributes to its medical education and research programs.

Student involvement lasts 240 hours (approximately six weeks). This is a paid position. The stipend is \$7.74 per hour. Housing and food are not included. The starting and ending date of each fellowship is determined by the principal investigator. However, the earliest date a student can start is May 18th. Each student will be expected to present a poster related to their Summer Fellowship research to the Summa Research Poster Day. "Poster Day" will take place at the Community of Research (COR) meeting on July 31, 2009.

The Student Application Packet, which includes the list of available research projects, is available in Room 256. Please forward the completed application, employment forms, as well as your undergraduate and graduate school transcripts, as appropriate, and two letters of recommendation.

Donna Hinkle

Summer Research Fellowship Coordinator

Summa Health System

Research Administration, PCS G-1

525 East Market St., P.O. Box 2090  
Akron, OH 44309

The completed application forms and eligibility requirements must be received no later than 5:00 p.m. on May 15, 2009. If you have any questions regarding the fellowship positions or the application process, please contact [hinkled@summa-health.org](mailto:hinkled@summa-health.org).

---

## SUMMER 2009 POSITIONS AVAILABLE AT KENT STATE

Spend part of your summer working on the KSU campus with the *Upward Bound Pre-College Programs!*

***Candidates with experience with High School students/TRiO programs are encouraged.***

The main purpose of the summer programs is to introduce high school students to college life in a "hands-on" environment. All staff members are required to demonstrate leadership abilities and be able to serve as positive role models to a diverse student population. ***All dates listed are tentative and positions are based on funds available.***

---

## Teachers & Instructors Needed

### ***Classic Upward Bound, PREP Academy and Upward Bound Math/Science Center***

Looking for individuals with backgrounds in the following areas: Mathematics, Biology, Chemistry, Physics, English Literature, Composition, Social Sciences, Foreign Languages, Computer Science. Part-time teaching positions available depending on subject. Classes are taught with a hands-on, project-based approach. A teaching certificate or a minimum of Bachelor's Degree in respective academic discipline and ability to work with a diverse student population. The summer component starts June 15, 2009 and continues until July 17, 2009. Also required to attend preparatory meetings prior to June 6, in addition to special evening program events and post-program evaluation. MANDATORY training will also take place.

### ***Upward Bound PRE-COLLEGE ACCESS/COUNSELING FACILITATORS***

Provides personal/social, pre-college, career, study skills, cultural development, advising and support to program participants through both individual and group sessions. Facilitates small group discussions; maintains accurate records and evaluates student development in conjunction with residence hall staff. Minimum of a Bachelor's degree required, enrollment in a Masters program in Counseling and Guidance, School Psychology, Higher Education or equivalent. Class schedule: June 15 – July 17, 2009 component. Also required to attend an orientation and preparatory meeting on June 6, in addition to special evening program events and post-program evaluation. A MANDATORY training will also take place.

**Upward Bound RESIDENCE HALL DIRECTORS & BRIDGE COORDINATORS**

Residence Hall Directors and Bridge Coordinators are responsible for the safety and well-being of students living in residence hall. Supervises and evaluates 6-8 Resident Mentors, maintains accurate records on students and administrative staff to organize program activities. Interprets and reinforces rules and regulations for supervision of residence hall activities, discipline policies and extra-curricular activities. Responsible for students to live in residence hall for duration of the program. Minimum of Bachelors degree required. Master's degree program in Counseling and Human Development, Student Personnel or related field preferred. Requires a student-centered philosophy of teaching/learning and the strong ability to interact with teachers, Upward Bound staff, students and parents; innovativeness; understanding of first generation college bound students; knowledge of methods for motivating students; experience with culturally diverse populations; excellent communication skills, organization skills, evidence of creativity, and leadership skills. Prefer experience with Kent State University Residence Hall Procedures. Position starts June 1, 2009 and continues until July 29, 2009 or longer depending on needs. Includes staff training/orientation sessions and follow-up/clean-up duties.

**Upward Bound MENTORS AND USDA MONITORS**

Applicants must: (1) Be a college junior, senior or graduate student; (2) be in good academic standing (C or above); (3) attend training sessions prior to the start of the program; (4) live in the residence hall for duration of the program; (5) demonstrate leadership ability; (6) serve as a positive role model for a diverse student population; (7) facilitate small group interactions and enrichment activities during the program through July 28, 2009.

***Additional information and complete job descriptions can be found at Kent.edu under <http://jobs.kent.edu>. (Choose Upward Bound in the Department pull-down menu) Positions will be posted by February 15, 2009. You are encouraged to apply as soon as possible. Positions are open until the positions are filled. Applications for employment to the Upward Bound Office. All applications, including your resume, must be submitted online at the above website. Interviews for selected candidates will take place on a case-by-case basis. For more information, please call the Upward Bound Office at 330-672-2920 or 1-888-215-9637.***

**Upward Bound Programs are Federal TRIO Programs.**

---

## **Summer Course Registration Begins February 16**

This summer our Department is offering a wide range of coursework. During the summer, our courses are smaller and far more focused than what you experience during the regular terms. It's a good time to get back on track if you missed an important course or to take a field course that just begs to be taught. If you are in a hurry to leave us after 5 or 6 years of part-time coursework, taking a summer course can help you achieve that goal.

## Courses for Biological Science Majors

BSCI Course Number & Title	Lecture Day/time	Lab?	When
10110: Biological Diversity	MTWRF 9:00-11	no	Sun
10120: Biological Foundations	MTWRF 9:30-11	TWR 11:15-2:15	Sun
20140: Cell Biology	MTWRF	TWR 9:30-12:30 or 2:45-5:45	Sun
30156: Elements of Genetics	MTW 9:45-12:15	no	Sun
30171: General Microbiology	MTR 8:00-10:30	MTR 10:45-1:45	Sun
30360: General Ecology	TWR 9:00-11:30	TWR 9:00-11:30	Sun
30518: Vertebrate Anatomy	MTW 1:00-3:30	MTW 3:45-6:15	Sun
40163: Organic Evolution*	MTW 1:15-3:45	no	Sun
40195: Animal Physiology*	RF 1:15-3:35	no	Sun
40515: Animal Behavior *	TWR 9:30-12	no	Sun
40556: Vertebrate Zoology*	MTWRF 7:30-9:00	TWR 9:15-11:45	Sun
40195: Experimental Methods in Biology*	TWR 1:00-4:00	no	6/9 to

\*These courses include sections for graduate student credit.  
Call the BSCI Dept (672-3613) for registration assistance.



## Ross University Information Seminars Feb 22

There will be two Ross University Information Seminars on Sunday, Feb 22, 2009 in Columbus. The School Presentation starts at 10:00 AM and the Medical School Presentation begins at 2:00 PM. There will be a reception at each presentation. Any seniors should also be aware our MAY 2009 enrollment is open as of now.

The seminar will be at the Hyatt Regency Columbus, 350 N. High Street.

Register at [RossU.edu](http://RossU.edu) or 877-ROSS-EDU

### Ross University

630 US Highway 1

North Brunswick, NJ 08902

Phone: 614-216-2877

Email: [ewasserman@rossu.edu](mailto:ewasserman@rossu.edu)

---

**The California School of Podiatric Medicine** offers a free all inclusive week in the summer that provides you with an opportunity to explore the profession of Podiatric Medicine and Surgery. You will learn more about what a podiatrist does and see for yourself first hand the rewards of the profession. The week begins May 1. For details, see <http://www.samuelmerritt.edu/immersion>.

---

## OHIO EPA SUMMER INTERNSHIPS

Our summer internship positions are currently posted and that applications will be accepted. Those interested in applying should visit the following website for information on how to apply via this portal:

<http://www.epa.state.oh.us/ohr/job.html>

The Ohio EPA web page will refer them to the state jobs we page:

<http://agency.governmentjobs.com/ohio/default.cfm>

To see our internship openings, they should select "Environmental Protection Agency" from the "agency" page. Note that we hire interns stationed at all of the district offices (5), our field office in Groveport, and our Central Office. If someone wants to limit their search to a specific area, there are check boxes for each of the offices on the page. Our office is in Twinsburg (Summit County).

Right now we do not know for sure that these positions will be filled. It depends somewhat on the budget, which is up in the air. If anyone has questions, please call or e mail Paul Anderson (see info below). He does the recruiting and I am not part of the interview process, but I can answer questions about job duties, etc.

Paul Anderson  
Division of Surface Water  
(330) 963-1228  
[paul.anderson@epa.state.oh.us](mailto:paul.anderson@epa.state.oh.us)

---

## **JOB ANNOUNCEMENT: MBI**

**Position Available:** Field Technician 1

**Work Location:** MBI is based in Columbus, Ohio. Projects include stream & river surveys in Ohio, Pennsylvania, and New England, and other states as necessary.

**Project Descriptions:** Biological assessment of fish, macroinvertebrate, and/or algal assemblage using standardized methods; qualitative and quantitative habitat assessment; field parameters and water quality. Extended (>12-20 consecutive days) overnight travel is required with travel costs covered by MBI.

**Position Description:** Field Technician 1: Works as a member of a 3-4 person field crew to collect macroinvertebrate, and/or algal assemblage and habitat data in wadeable streams and boardwalks. Responsible for the execution of specific sampling, data recording, and equipment operation and maintenance under the direction of a qualified full time crew leader. Must be able to assist in the operation of wading gear, macroinvertebrate samples, other biological samples, and in-field or laboratory analysis. For some projects, crews may travel over extended periods including weekends. Most projects are based at the MBI field facility near Circleville, Ohio. Positions are temporary and for not more than 18 months, beginning in May - June 2008; extensions may be granted in specific instances. Payment is hourly, ranging from \$8.50 - 10.50/hr. depending on level of education completed, experience, and other factors. Employment with MBI is "at will".

**Baseline Skills Required:** Ability to perform field sampling and work variable schedules in the field.



and extended overnight travel including weekends. Experience working around water is desirable.

**Application Process:** Send a brief resume and an MBI employment application via email to [allison.boehler@midwestbiodiversityinst.org](mailto:allison.boehler@midwestbiodiversityinst.org). For questions, contact Allison Boehler-Graves at the same e-mail, or by phone at (614) 457-3333.

For more information, visit our website at [www.midwestbiodiversityinst.org](http://www.midwestbiodiversityinst.org).

---

## National Resource Technician (park trainee); seasonal position.

**Pay:** \$7.30/hr

**Qualifications:** Must have a strong interest in resource management, forestry, wildlife, fish and wildlife management. Individuals either possessing or working towards a degree in one of these fields will be given preference. Must have working knowledge of local flora and fauna. Must possess a valid Ohio driver's license and a valid driver's license would be beneficial). Must have experience with power tools, agricultural equipment or construction equipment. Must be willing to apply herbicides within park natural areas.

**Job Description:** Assists in the implementation of Natural Resource Management Plans for state parks and reservations. Assists with wetlands maintenance, nest box upkeep, invasive plant control, brush clearing, and mowing. Assists with prescribed burn crew. Works individually or with park staff and volunteers. Works under difficult conditions. Performs related maintenance tasks as apparent or assigned. This position may be used to fulfill internship requirements.

For questions, contact Chris Grame at the Carlisle Reservation Central Maintenance Facility. Interested applicants should **submit an application and resume by noon on April 3, 2009** to the Ohio Department of Natural Resources, County Metro Parks; 12882 Diagonal Road, LaGrange, OH 44050.

**See Dr. Carlson in the Main Office for the Original Post**

---

## Department of Natural Resources Providing Summer Work

The Ohio Division of Wildlife is beginning to search for individuals to apply for seasonal work positions throughout Summer, 2009. The Division is looking to fill up to 7 creel clerk positions throughout Northern Ohio at our Berlin Work Unit (Portage County) and Highlandtown Work Unit (Columbiana County).

The Ohio Division of Wildlife is dedicated to conserving and improving the fish and wildlife resources of the state.

habitats, and promoting their use and appreciation by the people so that these resources continue to provide quality of life for all Ohioans. Students who have had classwork in biology, limnology, ecology, or fish management are strongly encouraged to apply. Our main constituent groups are the hunters and anglers, so an interest in these outdoor activities is preferred.

If you are interested in such a position, **please apply online** at <http://ohiodnr.com/hr/jobinter> to allow students to apply online to the Department of Natural Resources (our parent organization). All applications will be considered for a wider variety of seasonal opportunities statewide. Students are also encouraged to submit a **resume and cover letter to the Division of Wildlife to expedite the process**. Any interested students should send this information to Phil Hillman- Fish Management Supervisor, 912 Portage Lakes Drive, Akron, OH 44316. If you have any questions about the positions (locations, durations, pay, etc) they can call the Fish Management Supervisor at 330-644-2293.

Depending on the nature of the work you are assigned, it is possible to use the experience for credit. Please contact Dr. Carlson about this possibility.