

Eastern Illinois University
COLLEGE OF SCIENCES
presents

June 28–July 2,
2010
on the campus of
Eastern Illinois University

Summer College EXPERIENCE for Talented Youth

A Science/Technology-Focused
Summer Enrichment Program
and College Experience for
Exceptional High School Students

Are you a student in 9th, 10th, or 11th grade and interested in going to college? Come to Eastern Illinois University Summer College Experience for Talented Youth and get a head start on your future. In a fun and interesting week of classes and social events, you will get an introduction to some of the subject areas that are offered in the Eastern Illinois University College of Sciences. Instructors are renowned faculty with a sincere interest in teaching. Classes are exciting, far reaching, interesting, and, most importantly, hands-on so you can learn by doing while having fun.

The program will run from June 28 to July 2. Classes will be conducted from 9 am–5 pm each day and social and enrichment activities will take place in the evenings. Food and lodging (residential option) will be provided but local students can choose a daytime-only (commuter) option. Come and get an introduction to college life and the EIU experience with the following classes.

Broadcast Meteorology – Cameron Craig

Learn the basic art of forecasting the weather three days out and broadcast your team's findings in front of the mystical "green wall." Meet a local broadcast meteorologist from WAND-TV (a recent EIU Graduate) and learn interesting facts about storm chasing in Central Illinois.

Psychology – Jeffrey R. Stowell

Increase your understanding of basic principles related to human behavior. Topics may include sensation/perception, learning, memory, brain function, sleep, and other psychological topics.

Political Science – Melinda A. Mueller

2010 Congressional Election Simulation: Learn how congressional candidates create successful campaigns for office, based on Political Science concepts and theories. Teams of students will be provided candidate profiles and district information, and will develop their own campaign strategies, focusing on campaign marketing, advertising, use of new media, issue positions, and party allegiances.

Chemistry – Svetlana Mitrovski

"How many lemons does it take to run a wristwatch?" Design zinc-copper batteries using zinc and copper wires and lemons whose inside will serve as an electrolyte. Learn to measure the output voltage of such a device using voltmeters. Disassemble a battery-operated wristwatch, remove the battery and measure its voltage (typically 3 V), and calculate how many lemon-operated batteries would be needed for operating a single wristwatch. Use lemon-based batteries to run the wristwatch.

Physics – Douglas Brandt

Construct a microcontroller-based clock that displays the time of day in a binary representation. Learn about binary and hexadecimal representations of numbers, design and fabrication of printed circuit boards, soldering electronic circuits, and basic principles of electronics.

Computer Science – Rick Anderson

Teach a robot new tricks! Learn basics of programming to move, turn, and stop a robot. Use sensors to give the robot intelligence to make decisions for itself.

Economics – James Bruehler

Get an introduction to Economics by competing with your fellow students in a simulated marketplace. Play the role of either buyer or seller in a simulated market for used textbooks. Get acquainted with the operation of supply and demand and the concepts of equilibrium price and quantity. Repeat the simulation multiple times with the added elements of taxes imposed on textbook sellers or textbook buyers. Compare the new equilibrium from each simulation and examine the implications. Of particular interest is the comparison of the impact on buyers and sellers depending on which group the tax is imposed upon.



School of
Continuing Education

www.eiu.edu/~adulted

Location

The Summer College Experience for Talented Youth will be held at Eastern Illinois University in Charleston, Illinois. Charleston is located in east-central Illinois, just off I-57 on Route 16. It is 135 miles from St. Louis, 200 miles from Chicago, and 120 miles from Indianapolis.

Accommodations and Meals

EIU's South Quad residence hall complex will be available for those selecting the residential option. The residence halls are air-conditioned complexes with double-occupancy rooms and public lounges. The first meal served will be lunch on Monday, June 28 and the final meal will be breakfast on Friday, July 2. Individuals with special dietary restrictions are urged to make special note of those needs on the registration form so that accommodations can be arranged well in advance.

Camp Schedule

The Summer College Experience for Talented Youth will run from June 28–July 2, 2010. Registration and check-in will be held in the lobby of the assigned residence hall from 9 am–noon on Monday, June 28. All participants will receive a confirmation letter with directions and a campus map.

Cancellation Policy

If you register and find that you cannot attend, please notify the School of Continuing Education at 217-581-5114. A full refund less the \$50 deposit will be made if you cancel by June 15.

Registration Fee

Tuition for the Summer College Experience for Talented Youth is:

\$375 for Commuters. Registration fee for commuters includes all instruction, 12 meals in a University residence hall and evening activities.

Or

\$490 for Residential. Residential fee includes all instruction, 12 meals and 4 nights lodging in a University residence hall and evening activities.

Please enclose with your registration form a minimum \$50 deposit, which will be applied toward your tuition. The registration form and deposit are due by **June 1**. The remaining registration balance is due by **June 15**.

3 Easy Ways to Register



Mail: Summer College Camp for Talented Youth
School of Continuing Education
Eastern Illinois University
600 Lincoln Avenue
Charleston, IL 61920-3099



FAX: (217) 581-6697



Phone: (217) 581-5114

Registration Form

Name

Home Mailing Address

City

State

ZIP

Home Phone

E-mail Address

Emergency Contact Name

Phone

Payment Information:

- Cash
- Check (*payable to Eastern Illinois University*)
- Charge Card: M/C
 Visa
 Discover

I would like to be a **residential camper**. Please reserve my housing for camp week. My camp registration fee is \$490

I would prefer to be a **commuter camper**. Please do **NOT** reserve my housing for camp week. My camp registration fee is \$375

Card #

Exp. Date

Security Code

Total Charges Enclosed

I authorize Eastern Illinois University to charge my credit card:

Cardholder Signature