



Study Abroad & Outreach  
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*Summer Science Program for High School Students*

# Discovering the World Through Science

**June 7-12, 2015**

*A Hands-On Experience in the Sciences*



WESTERN  
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## GENERAL INFORMATION

**REGISTRATION:** Enrollment is limited to 18 students, so please register early. The registration fee is \$475 and includes tuition, supplies, all scheduled extracurricular activities, lodging, and all meals. Commuter students are not accepted. A limited number of partial scholarships will be awarded. Parents who wish to use a **Payment Plan**, may send a \$100 deposit at the time of registration, up to 60 days before the program start date. Fifty percent of the registration fee is due at 60 days prior to the program, and full payment is due 30 days before the start of the program. Register online or mail registration form with check or credit card information to **Study Abroad & Outreach, Horrabin Hall 8, Western Illinois University, 1 University Circle, Macomb, IL 61455-1390**. You may fax your registration with credit card information to **(309) 298-2854**. Please duplicate this registration form for additional registrations or register online at [wiu.edu/summeryouth](http://wiu.edu/summeryouth).

**ACCOMMODATIONS:** Participants stay in Corbin/Olson Residence Hall on the Macomb (main) campus of Western Illinois University and in the dormitory at Kibbe Field Station. In addition to the program of study, they enjoy extracurricular activities such as swimming and cookouts. In the evenings, they participate in telescope viewing (conducted by Physics/Astronomy faculty) and group discussions centered on science-related films. All activities are supervised by faculty and carefully selected resident counselors to ensure a safe and enjoyable experience on the University campus. Plan for an exciting on-campus experience in addition to several field trips this summer!

**MEDICAL/ADA COMPLIANCE:** Students do not qualify for University health care, so parents should check family insurance policies for health and accident coverage. WIU is in compliance with the Americans with Disabilities Act of 1990. Please let the Study Abroad & Outreach staff know how we can accommodate any special needs students may have at least two weeks prior to program start date. Our office number is **(309) 298-1911**. The toll free phone number is **(866) 933-8964**.

**REFUND POLICY:** Western Illinois University reserves the right to withdraw a program because of unforeseen circumstances or insufficient enrollment. If a program is withdrawn, participants are notified and fees are refunded. A \$50 fee is charged to participants who cancel after Friday, May 22, 2015. **No refunds will be made on or after Wednesday, June 3, 2015.**

**FURTHER INFORMATION:** For further information, call the Study Abroad & Outreach office at **(309) 298-1911** or toll free at **(866) 933-8964**.

*Western Illinois University is an Affirmative Action and Equal Opportunity employer with a strong commitment to diversity. In that spirit, we are particularly interested in receiving applications from a broad spectrum of people, including, but not limited to, minorities, women, and individuals with disabilities. WIU has a non-discrimination policy that includes sex, race, color, sexual orientation, gender identity and gender expression, religion, age, marital status, national origin, disability, and veteran status.*

# Discovering the World Through Science

## THE PROGRAM

**Discovering the World Through Science** is a unique and exciting summer enrichment and career exploration opportunity for promising young students who have completed at least one year in high school.

The program is designed for students who have a budding interest in the sciences and wish to further explore career opportunities and options for future study in a scientific field. This one-week-long program provides opportunities for students to participate in hands-on scientific discovery in a wide variety of disciplines, including biology, chemistry, geology/paleontology, mathematics, geography/meteorology, nursing, physics/astronomy, and psychology/neuroscience. Throughout the program, there is an emphasis on the interconnectedness and collaborative nature of the sciences in today's technology-oriented world.

Through hands-on investigation of scientific principles and methodology, students experience each of the major scientific disciplines from the vantage point of working directly with distinguished University faculty. For example, the program begins with an exploration of the relationship between the brain and behavior led by the Neuroscience (Psychology) faculty; this is followed by physics experiments centered around gravity and light with the Physics faculty, and an investigation into the complexities of predicting severe weather guided by scientists and storm chasers from the Meteorology program. The program culminates with a field trip involving exploration of geologic time and natural resources led by the Geology faculty; and as a capstone experience on the final day of the program, the Biology faculty accompany students to WIU's Kibbe Field Station along the banks of the Mississippi River to explore habitat and native plants of this pristine wildlife area. This opportunity to learn through doing truly brings science alive and into the hands of participants.

Our program instructors are all WIU faculty and department chairs. They are highly experienced scientists, mathematicians, and nurses who provide one-on-one opportunities for students to experience these disciplines and to ask questions and learn in an intellectually challenging environment. **Please note:** This is an active learning experience! Participants spend the vast majority of their time actively participating in laboratory and field experiences designed to provide them with a hands-on, working knowledge of the sciences.

For more information about **Discovering the World Through Science**, check us out on the Web at [wiu.edu/summeryouth](http://wiu.edu/summeryouth).

## PARTICIPATION CRITERIA

Completion of at least one year of high school is required of all participants. Gifted status or minimum qualifying scores on standardized tests are not requirements; however, this is not a remedial program. Participants should have sufficient curiosity, motivation, achievement level, and maturity to benefit from the program. Students must be recommended for the program by a science teacher or school administrator as indicated on the registration form. We take these recommendations seriously and may call for further information. A recommendation to the program does not guarantee acceptance. Enrollment is limited to 18 students, so please register early.

## SPECIAL FEATURES

Top faculty from WIU's Departments of Biological Sciences, Chemistry, Geography (Meteorology), Geology, Mathematics, Physics, and Psychology (Neuroscience) and the School of Nursing coordinate the instructional portion of the program and are available throughout the week for group and individual discussions. Participants experience interactive exposure to WIU's excellent laboratories and field stations, which provide exciting hands-on experiences and positive exposure to the University environment.

## SPONSORS

Western Illinois University  
School of Distance Learning, International Studies, and Outreach  
College of Arts and Sciences  
Department of Biological Sciences  
Department of Chemistry  
Department of Geography  
Department of Geology  
Department of Mathematics  
Department of Physics  
Department of Psychology  
School of Nursing

## REGISTRATION – Discovering the World Through Science

### June 7-12, 2015

Student Name \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip Code \_\_\_\_\_

Phone Number (include area code) \_\_\_\_\_

E-Mail Address \_\_\_\_\_

Gender \_\_\_\_\_ Age \_\_\_\_\_ January 2015 Grade \_\_\_\_\_

Roommate Preference (if any) \_\_\_\_\_ Adult T-Shirt Size \_\_\_\_\_

How did you hear about the program? \_\_\_\_\_

### Parent or Guardian

- I attest that this student is sufficiently mature to benefit from this program, to observe program rules, and to live under supervision in a campus environment.
- I understand and accept all program policies and conditions as set forth in this brochure.

Parent or Guardian Signature \_\_\_\_\_

Parent or Guardian Name (printed) \_\_\_\_\_

### Science Teacher or School Administrator

Student's Cumulative GPA (unweighted) \_\_\_\_\_ GPA (weighted) \_\_\_\_\_

This student meets the participation criteria for the **Discovering the World Through Science** program. I hereby recommend the student for acceptance.

Science Teacher or Administrator Signature \_\_\_\_\_

Science Teacher or Administrator Name (printed) \_\_\_\_\_

Title \_\_\_\_\_ School/City/State \_\_\_\_\_

Phone Number (include area code) \_\_\_\_\_ E-Mail \_\_\_\_\_

You may also register online by visiting [wiu.edu/summeryouth](http://wiu.edu/summeryouth).

Please make check payable in the amount of \$475 to **Western Illinois University** or pay by credit card:

Visa  MasterCard  Discover

Card No. \_\_\_\_\_ Exp. Date \_\_\_\_\_ CV Code (3 digits) \_\_\_\_\_

Authorized Signature \_\_\_\_\_