CHEMISTRY ACADEMIC CAMPS

BOYS’ & GIRLS’ CAMP

WWW.SHIP.EDU/CAMPS

JULY 9-13, 2018

CHEMISTRY CAMP I
AGES 8-10

CHEMISTRY CAMP II
AGES 8-12 (MUST HAVE ATTENDED CHEMISTRY CAMP I)

Directed by:
Dr. Robin McCann and Dr. Tom Frielle

ACADEMIC CAMPS
CAMP SCHEDULE

ARRIVAL
Monday, July 9, 2018, 8:30–9:00 AM
Parking lot, Franklin Science Center (FSC)

DAILY SCHEDULE

8:45 AM  Arrival at FSC and check in with Dr. Frielle and Dr. McCann
9:00 – 11:30 AM  Laboratory work
11:30 AM  Lunch
Noon - 1:00 PM  Recreational time
1:00 – 3:00 PM  Laboratory work
3:00 PM  Pick up by parent or guardian
GENERAL CAMP INFORMATION

REGISTER EARLY
Space is limited to facilitate individual attention.

WHAT TO BRING:
- Bring your health form/release form to the first day’s check-in. Do not send it in the mail.
- A certificate of health must be presented by each participant at the camp’s registration. A standard form will be sent upon acceptance. *This form does not require a physician’s examination or signature.*
- Rubber soled, closed-toed shoes, such as running shoes, are required every day for all laboratory experiments.
- There will be optional 45 minute swim sessions on Monday, Wednesday, and Friday, so please bring a swimsuit if you plan to participate.
- Please label your belongings.

RECREATIONAL FACILITIES INCLUDE:
Indoor swimming, indoor and outdoor basketball courts (if available), outdoor volleyball courts, tennis courts, and handball courts.

HEALTH SERVICES
The Etter Health Center at Shippensburg University is available for first aid treatment of minor illnesses and injuries. Hours of operation vary throughout the year and are listed on the health center website [www.ship.edu/health_center](http://www.ship.edu/health_center). If an illness or injury requires additional medical care, with consent of parent or legal guardian of child under the age of 18, arrangements may be made for an appointment with the campus physician during physician hours. If there is a medical emergency the camper will be transported via ambulance to an emergency room.

DISABILITY SERVICES
Requests for accommodations, auxiliary aids, or services must be made in writing to the Office of Disability Services at least fifteen (15) days before the camp begins. The Office of Disability Services is located in Horton Hall Suite 324, Shippensburg University, 1871 Old Main Drive, Shippensburg, PA 17257-2299, (717) 477-1364, ods@ship.edu.
ABOUT SHIPPENSBURG UNIVERSITY

Shippensburg University is a co-educational multi-purpose university in south central Pennsylvania. It is located 45 miles west of Harrisburg and 30 miles north of Gettysburg. Founded in 1871, Shippensburg University is a member of Pennsylvania’s State System of Higher Education. It is a comprehensive, regional university offering both graduate and undergraduate programs in three colleges: Arts and Sciences, Business, and Education and Human Services.

APPLICATION INFORMATION

Applications will be accepted up to one week prior to the start of camp. Applications submitted after that day will not be accepted. If paying with a credit card, full payment is required. If paying by check or money order, you have the option of paying the entire amount or submitting at least a $75 deposit with the balance due one week prior to start of camp. An administrative fee of $75 will be deducted from all refunds. No refunds will be given after on-campus check-in. The Conference Office reserves the right to cancel any camp which has insufficient enrollment up to two weeks before the opening of camp. A full refund will be given if the camp is canceled.

A full refund will be given if the camp is canceled.

Send your application and payment to:

CONFERENCE SERVICES  
SHIPPENSBURG UNIVERSITY  
1871 OLD MAIN DRIVE  
SHIPPENSBURG, PA 17257-2299  
PHONE: (717) 477-1256
OBJECTIVE
The SU Camp Chemistry is a day camp designed to give elementary students ages 8–10 years old the opportunity to perform a variety of chemistry experiments designed to teach basic chemical principles and to connect chemistry to the students’ everyday experiences. Instructors are Shippensburg University chemistry department faculty members. SU chemistry undergraduate students serve as counselors.

We will spend the majority of our time in actual laboratories so students can truly experience what it is like to be a chemist. There will be two levels of camp offered:

Chemistry Camp I - an introduction to the lab and chemistry.

Chemistry Camp II - for children who already completed 1 year of Chemistry Camp at Shippensburg University who will participate in more challenging lab work. Campers attending Chemistry Camp II may be up to 12 years old.

CONTENT
Chemistry Camp will simultaneously emphasize the fundamental concepts of chemistry (atoms, molecules, chemical reactions, thermodynamics, the Periodic Table, mixtures, etc.), and how those concepts are used to explain phenomena that students experience on a regular basis. Possible topics include nutritional chemistry, kitchen chemistry, and environmental chemistry (soil and water). We will emphasize safe and proper laboratory experimentation and interpretation of results as the primary method of instruction.
A typical day at Chem Camp will include four hands-on science experiments including fun things like blowing up gummy bears, separating the colors in an M&M, isolating DNA from a cow liver, and making water glow in the dark. We will have a faculty field biologist talk with us about their research (and even bring along some animal friends). A physics faculty member will demonstrate the laws of physics with fun demonstrations. There is never a boring moment at Chem Camp.

QUALIFICATIONS
Participants need no prior experience with chemistry to join this camp. Applicants must be ages 8–10 years to qualify for Chemistry Camp I. Campers who wish to attend Chemistry Camp II must have attended Chemistry Camp in a previous year and be ages 9-12 years old. You must also be able to provide your own transportation to and from Franklin Science Center (FSC) at SU.

ABOUT THE DIRECTORS
Dr. Tom Frielle and Dr. Robin McCann are both chemistry professors at Shippensburg University. Dr. Frielle is a biochemist and a former high school chemistry and biology teacher who has written elementary and middle school science curricula. Dr. McCann is a biochemist who also has extensive experience doing elementary outreach programs in chemistry with local elementary and high schools. Camp Chemistry is part of their efforts to enhance elementary science education in the region.
For your convenience, the Conference Office offers online registration, payment, and printable brochures. Check out our website at www.ship.edu/camps.

NAME ______________________________________________________

ADDRESS ___________________________________________________

CITY ________________________________________________________

STATE ________________________   ZIP CODE _____________________

PHONE NUMBER (______)  _____________________________________

AGE ____ ○ MALE ○ FEMALE       GRADE IN FALL OF 2018 _____

PARENT’S NAME _____________________________________________

DAYTIME PHONE NUMBER (______) ______________________________

SCHOOL ATTENDING __________________________________________

SPECIAL ACCOMMODATIONS OR MEDICAL CONDITIONS:

ALLERGIES: (E.G. LATEX, FOOD, ETC.)

T-SHIRT SIZE: ○ YOUTH LARGE
(MEN’S) ○ SMALL ○ MEDIUM ○ LARGE ○ EXTRA LARGE

FEES: ○ (INCLUDES T-SHIRT & LUNCH) $225

PAYMENT PLAN:
○ CHECK OR MONEY ORDER ENCLOSED (PLEASE MAKE CHECK PAYABLE TO “SHIPPENSBURG UNIVERSITY”)
○ CREDIT CARD PAYMENTS AND E-CHECKS WILL BE ACCEPTED ONLINE AT WWW.SHIP.EDU/CAMPS AS PART OF THE REGISTRATION PROCESS. IF PAYING BY CREDIT CARD OR E-CHECK, FULL PAYMENT IS REQUIRED AT THE TIME OF REGISTRATION.

REGISTER NOW

CALL (717) 477-1256
VISIT www.ship.edu/camps
EMAIL sucamps@ship.edu
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