

Skills **Development** Training Program for the American Centrifuge Facility, a Division of USEC, Inc.

Not only will individuals who complete the 240 hours of training be prepared to work at USEC Inc.'s American Centrifuge Facility, they will be among the first in Ohio to earn certification from the national Manufacturing Skill Standards Council, indicating they possess the core skills and knowledge companies demand of their employees in the 21st century.

Ohio University-Chillicothe Course Description

Physical Science (1 of 3 required components)

The Physical Science training offered by Ohio University-Chillicothe is designed to provide the individual with the knowledge necessary to understand selected concepts and successfully apply them to the job. In this course, the student will be provided with a basic understanding of the **fundamental concepts of chemistry** including atomic structure, compound formation, properties and reactions in solutions, acids and bases, and chemical equations. The **basic physics** portion of the course covers Newton's Laws of motion, basic properties of magnetic fields EM radiation, mechanical phenomena, and an introduction to the first and second laws of thermodynamics. The course includes; report of student progress, and exit exam.

This open enrollment non-credit 60-hour course (30-hours Fundamental Concepts of Chemistry and 30-hours Physics) will be delivered at the OSU South Centers in Piketon.

Prerequisite: Compass Test- *Algebra General* indicates Tier I Math

Cost: \$935

Registration Deadline: August 25, 2011

Location: OSU South Centers, 1864 Shyville Rd., Piketon, OH 45661

Dates/Times: Thursdays, 5:00-9:00 pm (15 weeks)

Instructor: Roger Smith

Class Schedule

September 8, 2011	Introduction, Matter
September 15	Elements Atomic Theory
September 22	Atomic Theory
September 29	Bonding
October 6	Formulas, Formula Weights
October 13	Chemical Reactions
October 20	Nuclear Chemistry
October 27	Exam
November 3	Newton's Laws of Motion
November 10	Newton's Laws of Motion
November 17	Introduction to the First Law of Thermodynamics
December 1	Introduction to the Second Law of Thermodynamics
December 8	EM Radiation
December 15	Nuclear Physics
December 22	Final Exam

Grading System:

Attendance is very important as this course is fast paced and sequential in nature therefore, attendance will be considered when determining the final grade and attendance will also be recorded in percentage format. Homework problems will be assigned and solutions discussed during the following class period. All Quizzes and Exams are based on practical real world applications.

The final course grade will be determined as follows:

Midterm Exam.....30%	90 – 100% ... A
Quizzes.....15%	80 – 89% B
Home Work.....15%	70 – 79% C
Final Exam.....30%	60 – 69% D
Attendance.....10%	Below 60%... F
Total.....100%	

Call [Ohio University-Chillicothe Continuing Education](#), at 740.774.7226, to register by telephone. We accept Visa, MasterCard and American Express. Or, complete all information on the following registration form and return with payment.

First Name	M. Initial	Last Name
-		
Day phone	Evening phone	email address
-		
Home Address Street		
-		
Home City	State	Zip
-		
Company/Organization		
-		
Company/Organization Street Address		
-		
Company/Organization City	State	Zip

I am registering for the Physical Science Course. Fee: **\$935.00**

Method of Payment: Cash Check (Make checks payable to [Ohio University](#) and return with completed form to the address below.)

Credit Card _____ / _____ \$ _____ Visa / MasterCard/AMEX _____ / _____ / _____
Account Number V-code Amount (circle one) Card Expiration Date
(last three digits on back of card or four digits on front of AMEX)

Registration is complete when information is received and payment accepted.
Registrations must be received three business days prior to the start date of the class to ensure enrollment.
Mail or fax completed form to:

Ohio University-Chillicothe
Continuing Education, Business & Industry
PO Box 629
101 University Drive
Chillicothe, OH 45662
Attn: Janet Fink, Administrative Associate
Phone: 740.774.7226 Fax: 740.774.7280

Offered in Partnership by the Ohio South Consortium for Training and Educations

Members: [Ohio University Chillicothe](#)
Pickaway-Ross Career & Technology Center
Pike Career & Technology Center
Scioto County Career & Technology Center
Shawnee State University

Refund Policy

Full refunds are given when a class is canceled due to low enrollment or other unforeseen circumstances or the course requested is already filled. Students withdrawing from a class at least three full business days before the start date of a class will receive a full refund minus a 10% processing fee. No other refunds will be granted.

Cancellation Policy

Ohio University reserves the right to cancel courses when the enrollment is too low to make the course feasible. Participants who have registered for those courses will be given a full refund of fees paid or may transfer fees to another class in the same terms. In the event of inclement weather, please listen to your local radio station for cancellation announcements. We also make every attempt to notify you of emergency cancellations by phone.