67% of global executives agree that sustainability strategies are necessary to be competitive.*

PROGRAM DATES
September 24, 2018 - June 7, 2019

REGISTRATION
To register, visit osha.washington.edu.

You may register for all three program courses at one time, or complete your registrations on a course-by-course basis 2 weeks prior to course start dates.

Individuals who are pursuing a certificate must successfully complete all three required courses.

INFORMATION
Northwest Center for Occupational Health & Safety
206-543-1069
ce@uw.edu
oshawashington.edu

Businesses are facing increasing market and regulatory pressures to use less toxic chemicals in their manufacturing processes and products, and are in need of professionals who can provide innovative solutions and more sustainable substitutes.

WHAT YOU WILL LEARN
During this 3-course program, we will explore:
• The 12 guiding principles of green chemistry
• Business drivers and barriers to implementing sustainable practices
• Frameworks for incorporating chemical toxicity and human health considerations into product design, material selections, and supply chain decision-making
• Environmental, economic, and societal benefits of green chemistry
• The latest research and regulatory developments in the field
• New tools for chemical design and methods for comparative chemical hazard assessments

THIS PROGRAM IS FOR YOU
• Engineers, chemists, and materials scientists
• Environmental product managers
• Supply chain decision-makers
• Risk management researchers
• Product stewardship professionals
• Safety and health professionals
• Graduate level students in related fields
• High School teachers and academic faculty
• Legal professionals
• Building designers and architects
• Environmental and other sciences professionals in industry, labor, academia, and non-government organizations

Overview of the 3-course Program:

COURSE I
Sustainability, Toxicology, and Human Health
9/24/18 - 12/7/18 | Credit: 5 CEUs | Cost: $910

Overview of fundamental principles of toxicology, human health, and material science. Participants will review their own business’ sustainability drivers and barriers while investigating the health and environmental hazards that contribute to human disease.

COURSE II
Principles of Green Chemistry
Dates: 1/7/19 - 3/15/19 | Credit: 5 CEUs | Cost: $910

Fundamental principles of green chemistry, including the human and ecological reasons for considering less toxic alternatives and the various green applications to chemical design. Overview of new tools and cutting edge research for the design of 21st century chemicals that minimize hazards to health and the environment.

COURSE III
Assessment Tools for Safer Chemical Decisions
Dates: 3/1/19 - 6/7/19 | Credit: 5 CEUs | Cost: $910

Decision-making tools and methods used for comparative chemical hazard assessments. Participants will have an opportunity to use these tools through the completion of a culminating project.

Completion of all three courses is required to earn a certificate. However, individuals not pursuing a certificate are welcome to take classes a la carte.

RECOMMENDED PREREQUISITES
Material in the program is intended for individuals who have:

- A four-year degree
- At least 1 year of relevant work or graduate-level education experience
- A fundamental knowledge of chemistry, equivalent to a basic college-level chemistry course

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