Come to the Top One-Stop Occupational Safety and Health Training Center

Georgia Tech’s Environment, Safety and Occupational Health Program has evolved into the top training hub for occupational safety and health professionals in the Southeast. From short training courses that fit into your busy schedule, to on-site, cost-effective training options from our expert staff, and now the new Professional Master’s in Occupational Safety and Health (PMOSH) degree — Georgia Tech is your one-stop training resource.

Our mission remains the same: provide relevant and effective training based around the needs of the occupational safety and health industry.

Georgia Tech has been an authorized OSHA Training Institute Education Center since 1992, providing OSHA-approved and related safety and health courses that align with industry-specific training methods and standards that position our professionals for a successful and long career.

Satisfy your professional or personal safety goals with our 11 professional certificates, with the Premier Occupational Safety and Health Certificate standing as the pinnacle of our certificate program. Looking for a more in-depth and pioneering occupational safety and health program?

Then the PMOSH program is perfect for you. We’ve answered an industry call with this program by driving to fill a 60 percent increase in demand for jobs with a master’s degree in the U.S. and a 65 percent increase in Georgia.* Learn more about this program on page 32.

Whether you’re renewing your Authorized Outreach Trainer card, advancing your career with a certificate or a master’s degree, working with us to customize courses, or consult on your current safety and health needs, Georgia Tech will deliver valuable knowledge to help you keep your workplace safer.

I look forward to seeing you in one of our courses soon!

Myrtle I. Turner Harris
Ph.D., MPH, CET
Director, Georgia Tech
OSHA Training Institute
Education Center

Working to keep your team safe.

For more information or to register, visit pe.gatech.edu/safety.
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For more information or to register, visit pe.gatech.edu/safety.
The OSHA Impact

Preparing for Your Passion with Georgia Tech’s Safety and Health Courses

An interview with Breck Simmons, an aviation maintenance and inspection team member with the Georgia Air National Guard

Most people would shy away from a safety leadership position if they did not have the prior experience in the workplace. Not Breck Simmons. He took an opportunity to combine his passion for safety with access to occupational safety and health courses through Georgia Tech to get an education pertinent to his new and current position with the Georgia Air National Guard.

“I’m not a full-time safety professional, but as an additional duty with my squadron, I’m a unit safety representative,” Simmons explains. With this part-time responsibility, he decided to expand his knowledge with a couple of Georgia Tech OSHA Training Institute Education Center (OTIEC) courses on the base. Soon, he realized that he could apply everything he learned to his dual position — informing and protecting his 400+ fellow service members with current OSHA standards.

His passion for safety grew, and he soon mapped out his next steps to move into a full-time safety career. With eight professional safety and health certificates under his belt — and plans to earn two more in the next two years — new opportunities have opened up for him on the base.

When the Wing and Safety Office experienced a shortage of personnel, Simmons was the first candidate to be considered.

“I can’t explain how great it felt to go into that office, listen, learn, and apply things that they needed and didn’t know. I was able to bring in knowledge and use it immediately. They were so appreciative of me being there.” For three months, Simmons was able to play a vital role on the safety team, an opportunity solidified by his Georgia Tech OTIEC credentials, earning him a new name on the base: the “Safety Man.”

“The value of being able to apply what I’ve learned is priceless. The Air Force standards are actually more stringent than OSHA standards, but we are able to adopt processes based on what I have learned. Personally, the interactions with students and instructors makes it even more difficult to put a price on the value of my education with Georgia Tech. It all makes me look forward to going full-time into this profession.”

After completing his 14 years in the military — only six years remain — he plans to retire and use these certificates to position himself to go full-time in the safety field.

“I want people to see that I’ve taken the time to invest in my training and education. Education is going to play a big part in me getting a job. There are no better courses than the safety courses at Georgia Tech.”

The Occupational Safety and Health program continues to provide education that gets all of our students ready for that next opportunity. A passion in occupational safety and health is vital for any industry.

To learn more about the program, including the 11 professional certificates available, visit pe.gatech.edu/safety.
Instructors

For more than 30 years, Georgia Tech Professional Education’s expert instructors have helped keep companies accident-free and workers safe and healthy. Researchers and scientists with Georgia Tech Research Institute, the university’s applied research arm, also work as consultants for companies, industry, and government.

Acquire in-depth expertise by learning from our expert Georgia Tech instructors.

Instructors not pictured:
Vicki Hanahan Ainslie; Bryan Black, Ph.D.; Charlotte Grove, CET, CIT; Kevin Kamperman, MSPH; Damon C. Nix, CSP; Paige Rohrig, CSP; Bill Warner, CSP

For more information or to register, visit pe.gatech.edu/safety.
Offering Multiple Ways to Learn

Georgia Tech is a global leader in scientific and technological research and education. When you train with Georgia Tech, you are learning from a world-renowned research institution and the seventh-ranked public university in the country. Our training is highly regarded by employers and industries.

Georgia Tech is expanding its delivery of professional education safety and health courses, offering new locations, online courses, and on-site training at your workplace. These courses are taught by Georgia Tech researchers and top industry experts with real-world insight and extensive OSHA knowledge.

Choose the most cost-effective option for you and your employees. We also customize training for your staff. No matter the delivery method, course attendees can earn continuing education units (CEUs) and apply the classes to our professional certificates.

For more information or to register, visit pe.gatech.edu/safety.
Customized Consulting and Training for Your Safety and Health Needs

The Georgia Tech OSHA Training Institute Education Center (OTIEC) can optimize your training budget for a greater return on your investment. Conducting a cost-benefit analysis can show how to leverage your training budget for the greatest impact across your organization. Safety is not a commodity to be sold, traded, or held in reserve. Safety is a science. Safety is an art. Safety is about managing human capital to reduce risk and to maximize productivity. Training is an investment in your people and your firm. Training budgets should be managed like any other capital investment, with an eye toward the return on investment. Training courses should not be viewed as discrete events, but as an opportunity to develop human capital across your organization. Instead of empowering one individual, empower your organization to make positive change. Choose from any of our 2017-2018 courses, in addition to the 21 listed below, and let Georgia Tech customize them to fulfill your staff’s safety and health training needs. Learn at your location with this cost-effective solution.

We also offer on-site training in:

- **OSHA 5400**: Trainer Course in Occupational Safety and Health Standards for the Maritime Industry
- **OSHA 5402**: Update for Maritime Industry Trainers
- **OSHA 5600**: Disaster Site Worker Train-the-Trainer Course
- **OSHA 5602**: Update for Disaster Site Worker Trainers
- **OSHA 7005**: Public Warehousing and Storage
- **OSHA 7110**: Safe Bolting Principles and Practices
- **OSHA 7120**: Introduction to Combustible Dust Hazards (2 days)
- **OSHA 7125**: Seminar on Combustible Dust Hazards (1 day)
- **OSHA 7200**: Bloodborne Pathogen Exposure Plan for Healthcare Facilities
- **OSHA 7205**: Health Hazard Awareness
- **OSHA 7210**: Pandemic Influenza Workplace Preparedness
- **OSHA 7400**: Trainer Course in Construction Noise
- **OSHA 7410**: Managing Excavation Hazards
- **OSHA 7415**: OSHA Construction Industry Requirements Awareness of Major Hazards and Prevention Strategies
- **OSHA 7510**: Introduction to OSHA for Small Business
- **OSHA 7515**: Writing Material Safety Data Sheets (MSDS)
- **EST 7016**: OSHA Voluntary Protection Program (VPP): Protect Employees Beyond OSHA Standards and Attain VPP
- **EST 7018**: Trainer Course: Electrical Safety Standards for the Workplace, NFPA 70E
- **EST 7019**: Globally Harmonized Hazard Communication Standard (GHS)
- **EST 7120**: Introduction to Combustible Dust Hazards
- **EST 7131**: Process Safety Management – Executive Level Overview

Would you like more information about consulting and customizing a safety and health course? Contact James Howry at james.howry@gtri.gatech.edu or 404-407-8053.

For more information or to register, visit pe.gatech.edu/safety.

Customized Consulting, Training for Manufacturers

Georgia Tech’s OTIEC is collaborating with the Georgia Manufacturing Extension Partnership (GaMEP) to bring customized safety and health training, education, and consulting, as well as a host of manufacturing growth services, to companies.

With a broad range of expertise in process improvement, ISO management systems, energy, sustainability, and top-line growth, the GaMEP is a state- and federally funded initiative that provides training and implementation to Georgia manufacturers.

As part of a customized approach, the GaMEP can connect you with the vast resources of Georgia Tech and the state to ensure that your organization meets your goals. We save you the travel costs and customize the content to address the issues that you face at your location, while removing any course content that is not pertinent to your employees.

Would you like more information about the GaMEP? Contact Katie Takacs at katie.takacs@innovate.gatech.edu.
Trainer Series

OSHA 510

$875

Earn 2.6 CEUs

Aug. 7-11, 2017 (Atlanta)
Sept. 18-22, 2017 (Bowling Green)
Oct. 2-6, 2017 (Atlanta)
Nov. 13-17, 2017 (Asheville)
Dec. 4-8, 2017 (Atlanta)
Dec. 11-15, 2017 (Mobile)
Jan. 22-26, 2018 (Savannah)
Feb. 5-9, 2018 (Atlanta)
Mar. 19-23, 2018 (Greenville)
Apr. 9-13, 2018 (Atlanta)
May 7-11, 2018 (Savannah)
June 4-8, 2018 (Atlanta)
July 16-20, 2018 (Orlando)
Aug. 6-10, 2018 (Atlanta)
Aug. 13-17, 2018 (Orange Beach)
Sept. 17-21, 2018 (Bowling Green)
Oct. 1-5, 2018 (Atlanta)
Nov. 12-16, 2018 (Asheville)
Dec. 3-7, 2018 (Atlanta)
Dec. 10-14, 2018 (Mobile)

Occupational Safety and Health Standards for Construction Industry

pe.gatech.edu/osha510  |  29 CFR 1926 $40 (Required)

Use OSHA policies, procedures, standards, and safety and health principles as a guide for the construction industry. Each section of the OSHA construction standards is covered, with special emphasis placed on more hazardous areas. This course is the prerequisite for OSHA 500.

What You Will Learn

• Selection of appropriate OSHA standards that apply to a hazard
• Hazard violation search workshop and safety programs
• Recordkeeping and hazard communication
• Personal protective equipment
• Fire protection and prevention
• Hand and power tools; welding and electrical
• Scaffolding, cranes, and rigging
• Excavation, demolition, and blasting
• Concrete and underground construction
• Steel erection, stairways, and ladders

Outreach Training Program

The OSHA Outreach Training Program is a voluntary program through which OSHA authorizes trainers to teach occupational safety and health hazard recognition and prevention in an effort to promote workplace safety and health. Completion of a Trainer Series course authorizes the trainer to conduct 10- and 30-hour outreach classes in accordance with Outreach Training Program requirements.

Working to keep your team safe.

For more information or to register, visit pe.gatech.edu/safety.
Trainer Course in Occupational Safety and Health Standards for Construction Industry
pe.gatech.edu/osha500 | 29 CFR 1926 $40 (Required)

Building on the OSHA 510 technical course content, OSHA 500 goes beyond the OSHA standards to review effective training techniques, with a special emphasis on the most hazardous areas in construction. This course is for private- and public-sector workers interested in developing safety and health programs and providing training in construction. Successfully complete the course and pass a multiple-choice test to become an OSHA Authorized Outreach Trainer authorized to conduct both 10- and 30-hour construction courses. Construction industry outreach trainers must take OSHA 502 every four years to maintain their authorized trainer status. Attendees should bring a laptop and be prepared to make a presentation during the course.

Prerequisites
Participants are required to have:
1. Five years of construction safety experience (a college degree in occupational safety and health, or a Certified Safety Professional (CSP) or Certified Industrial Hygienist (CIH) designation in the applicable training area, may be substituted for two years of experience).
2. Successful completion of the OSHA 510 course.
3. Application approval from the Georgia Tech OSHA Training Office.

What You Will Learn
- Hazard communication, health hazards, and PPE
- Electrical safety
- Cranes and rigging; tools and welding
- Confined space entry, ladders, and stairways
- Concrete construction safety
- OSHA recordkeeping, standards, and safety programs
- OSHA inspections, targeting, and penalties
- OSHA procedures and standards updates
- Training material resources
- Safety and health program management
- Training techniques
- Recently adopted or revised OSHA standards
- OSHA inspection policy updates
- Construction safety practices (general overview)

For more information or to register, visit pe.gatech.edu/safety.
General Industry Trainer Series

General Industry Courses

**Trainer Series**

**OSHA 511**

$875

Earn 2.6 CEUs

Trainer Course in Occupational Safety and Health Standards for General Industry

pe.gatech.edu/osha511  |  29 CFR 1910 $40 (Required)

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Use OSHA standards as a guide to apply OSHA policies, procedures, standards, and general industry safety and health principles. Topics include scope and application of OSHA general industry standards, with special emphasis placed on hazardous areas. This course is the prerequisite to OSHA 501.

**What You Will Learn**

- The hazard violation safety workshop
- Means of egress and fire protection
- Personal protective equipment
- Material handling
- Electrical safety standards and work practices
- Introduction to industrial hygiene
- Machine guarding; lockout/tagout (LOTO)
- Walking and working surfaces
- OSHA recordkeeping and hazard communication
- Ergonomics

**Prerequisites**

Participants are required to have:

1. Five years of general industry safety experience (a college degree in occupational safety and health, or a Certified Safety Professional (CSP) or Certified Industrial Hygienist (CIH) designation in the applicable training area, may be substituted for two years of experience).
2. Successful completion of the OSHA 511 course.
3. Application approval from the Georgia Tech OSHA Training Office.

**What You Will Learn**

- The OSH Act and 29 CFR 1903
- Citations and proposed penalties
- Means of egress and fire protection
- Material handling and PPE
- Outreach training program and techniques
- Electrical safety standards and work practices
- Hazard communication and OSHA recordkeeping
- Machine guarding; lockout-tagout (LOTO)
- Walking and working surfaces
- Welding permit-required confined spaces

For more information or to register, visit pe.gatech.edu/safety.
Update for General Industry Outreach Trainers
pe.gatech.edu/osha503  |  29 CFR 1910 $40 (Required)

General industry voluntary compliance outreach trainers must take this course every four years. If your trainer card has expired, you must retake the OSHA 501 course and the exam to be current. If your card has been expired for 10 years or more, you must retake OSHA 511 and OSHA 501.

Prerequisite
Participants are required to complete the OSHA 501 or OSHA 503 course and be in current card status.

What You Will Learn
- OSHA inspection policy updates
- OSHA procedures and standards updates
- Identification of common violations of OSHA
- Safety and health program management
- Training techniques
- Abatement procedures for selected safety hazards

OSHA Guide to Industrial Hygiene
pe.gatech.edu/osha521  |  29 CFR 1910 $40 (Required)

Learn about industrial hygiene practices and related OSHA regulations and procedures. Focus on OSHA health standards, permissible exposure limits, respiratory protection, engineering controls, hazard communication, sampling instrumentation, hearing conservation, workplace health program elements, and other industrial hygiene-related topics.

What You Will Learn
- The air contaminant sampling and air sampling laboratory
- Strategies for controlling hazardous conditions
- The permissible exposure limit and compliance
- Detector tube sampling
- Elements of a workplace health program
- The hazard violation workshop
- Health hazard recognition
- OSHA ergonomic guidelines

Hazardous Materials
pe.gatech.edu/osha2015

Get an overview of OSHA’s general industry standards and other consensus and proprietary standards that relate to hazardous materials.

What You Will Learn
- Unsafe storage conditions for hazardous materials
- Flammable and combustible liquids
- Cryogenic liquids, compressed gases, and LP gas
- Spraying and dipping processes
- Electrical equipment
- Hazardous waste operations and emergency response
- Necessary precautions for hazardous operations
- Process safety management
- Permit-required confined space entry
- Proper abatement
OSHA 2045  
$875  
Earn 2.6 CEUs  
Aug. 7-11, 2017 (Atlanta)  
Dec. 5-8, 2017 (Savannah)  
Apr. 30-May 4, 2018 (Atlanta)  
Aug. 6-10, 2018 (Atlanta)  

Machinery and Machine Guarding Standards  
pe.gatech.edu/osha2045  
Learn machinery hazards and how to control hazardous energy sources. Apply hazard recognition concepts on a site inspection. Evaluate and document any machinery and machine guarding hazards, as well as researching the standards for citation references. Course includes hands-on training and a field trip.  

Personal Protective Equipment Requirements  
Participants are required to bring safety shoes, safety glasses, a hard hat, and appropriate clothing.  

What You Will Learn  
- Guarding and devices  
- Electrical safety-related work practices  
- Hazards that occur around machinery  
- Lockout/tagout  
- Options to achieve abatement  
- Portable tool safeguarding  

OSHA 2055  
$795  
Earn 2.15 CEUs  
Sept. 19-21, 2017 (Atlanta)  
Mar. 20-22, 2018 (Atlanta)  
June 19-21, 2018 (Savannah)  
Sept. 18-20, 2018 (Atlanta)  

Cranes for Construction  
pe.gatech.edu/osha2055  
Understand and apply new regulations to your organization’s operations. Improve your ability to manage crane operations and recognize crane operation hazards. Gain the knowledge necessary to train supervisors and employees as qualified signal persons. Learn the requirements of a qualified rigger and how they apply to construction operations.  

What You Will Learn  
- Crane inspections  
- Operator certification/qualification requirements  
- Equipment operations requirements  
- Power line safety  
- Crane assembly/disassembly  
- Qualified signal person requirements  
- Qualified rigger requirements  
- Tower cranes and specialty cranes  

OSHA 2225  
$790  
Earn 2.6 CEUs  
Sept. 12-15, 2017 (Atlanta)  
Feb. 13-16, 2018 (Atlanta)  
Sept. 11-14, 2018 (Atlanta)  

Respiratory Protection  
pe.gatech.edu/osha2225  
Gain knowledge of the requirements for the establishment, maintenance, and monitoring of a respiratory protection program. Use an array of respirators and support equipment through hands-on training. Identify and describe the major elements of a respiratory protection program following 29 CFR 1910.134.  

Medical Approval Requirement  
Medical approval to wear a half-mask, air-purifying respirator is required. All attendees are required to submit a completed Medical Eligibility Form, which can be found at pe.gatech.edu/osha2225.  

What You Will Learn  
- OSHA and ANSI standards  
- Respirator selection, use, and fit testing  
- Qualitative and quantitative fit testing  
- NIOSH certifications  
- Medical evaluation recommendations  
- Maintenance and care  
- Compliance with OSHA’s respiratory protection standard  
- Self-contained breathing apparatus  
- Confined space entry  
- Recordkeeping  

Working to keep your team safe.
Principles of Ergonomics Applied to Work-Related Musculoskeletal and Nerve Disorders
pe.gatech.edu/osha2255

Learn how to apply ergonomic principles for the reduction of stress and strain on an employee’s body as well as the control of workplace musculoskeletal and nerve disorders. Conduct task analyses of videotaped jobs, and identify musculoskeletal risk factors. Work as a team to apply class concepts to develop effective control strategies for each job. Participants need to bring calculators.

What You Will Learn

• Job, workstation, and equipment improvements to reduce injury
• The NIOSH Work Practices Guide for Manual Lifting
• Anthropometry and work physiology
• Cumulative trauma disorders
• Heat stress
• Administrative and engineering controls
• The rapid upper-limb assessment technique
• Back injury control
• Job hazard analysis
• Observation techniques and medical surveillance

OSHA 2264
$810
Earn 2.0 CEUs

Jan. 23-26, 2018 (Atlanta)
June 5-8, 2018 (Atlanta)

Permit-Required Confined Space Entry
pe.gatech.edu/osha2264

Learn to recognize, evaluate, prevent, and abate safety and health hazards associated with confined space entry. Participants need to bring calculators.

What You Will Learn

• Terms specific to permit-required confined spaces
• Permit space hazards
• Entry procedures
• Ventilation requirements
• Personal protective equipment
• Proper operation of testing equipment
• Limitations of testing equipment
• The permit system
**OSHA 3015**  
$760  
Earn 2.0 CEUs  
Sept. 12-15, 2017 (Savannah)  
Oct. 24-27, 2017 (Atlanta)  
Apr. 24-27, 2018 (Atlanta)  
Sept. 11-14, 2018 (Savannah)  
Oct. 23-26, 2018 (Atlanta)

**Excavation, Trenching and Soil Mechanics**  
pe.gatech.edu/osha3015

Focus on OSHA standards and the safety aspects of excavation and trenching. Use instruments such as penetrometers, torvane shears, and engineering rods during a hands-on field trip.

**Personal Protective Equipment Requirements**
Participants are required to bring safety shoes, safety glasses, a hard hat, and appropriate clothing.

**What You Will Learn**
- Excavations  
- Soil classification and mechanics  
- Stability of shored and un-shored slopes

- Sloping and benching  
- Timber shoring for trenches  
- Aluminum hydraulic shoring for trenches

- Alternatives to timber shoring  
- Selection of protective systems  
- Use of different testing methods

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**OSHA 3095**  
$875  
Earn 2.8 CEUs  
Sept. 12-15, 2017 (Atlanta)  
May 15-18, 2018 (Savannah)  
Sept. 11-14, 2018 (Atlanta)

**Electrical Standards**  
pe.gatech.edu/osha3095

Get an overview of electrical installations and related equipment, with an emphasis on controlling electrical hazards via the application of OSHA standards and the National Electrical Code.

**What You Will Learn**
- OSHA’s electrical standards and safety practices  
- Electrical fundamentals and requirements  
- Grounding requirements

- Over-current protection  
- Single- and three-phase systems  
- Ground fault circuit interrupters and branch circuits  
- Hazardous locations

- Dielectric personal protective equipment  
- Portable generators and temporary wiring  
- NFPA 70E

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**OSHA 3115**  
$790  
Earn 2.0 CEUs  
Sept. 26-29, 2017 (Atlanta)  
Mar. 13-16, 2018 (Atlanta)  
July 10-13, 2018 (Savannah)  
Sept. 25-28, 2018 (Atlanta)

**Fall Protection**  
pe.gatech.edu/osha3115

Get an overview of state-of-the-art technology and OSHA requirements for fall protection, including the principles of fall protection, components of fall arrest systems, limitations of fall arrest equipment, and related OSHA policies. Participate in a field exercise demonstrating fall protection equipment. Course includes one-day field exercise.

**Prerequisite**
Participants are required to complete the OSHA 510 course or have equivalent construction training experience.

**What You Will Learn**
- 29 CFR 1926 Subpart M  
- Sample fall protection plans  
- Consensus standards and summaries

- Abatement methods for fall hazards  
- Fall hazard analysis, accidents, and fatalities  
- Proper standards for citation purposes

- Proper use of fall protection equipment and personal fall arrest systems  
- Litigation decisions  
- Pre- and post-test

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Working to keep your team safe.

For more information or to register, visit pe.gatech.edu/safety.
**NEW COURSE**

**OSHA 6005**

$440

Earn 2.3 CEUs

Nov. 14-17, 2017 (Atlanta)

Nov. 6-9, 2018 (Atlanta)

Collateral Duty for Other Federal Agencies

pe.gatech.edu/osha6005  |  29 CFR 1910 $40 (Required)

Effectively assist agency safety and health officers in their inspection and abatement efforts. Learn the process of a site inspection, and visit a government facility to evaluate and document observed hazards. Research and select applicable standards for observed hazards, then present your findings to the class.

**What You Will Learn**

- The OSH Act, 29 CFR 1960, and 29 CFR 1910
- Hazard communication
- Inspection field trip, write-up, and review
- Use of the OSHA numbering system
- OSHA standards and the hazard violation workshop
- Walking and working surfaces
- Means of egress and fire protection
- Material handling, electrical standards, and PPE
- Office safety and accident investigation (introduction)
- Industrial hygiene (introduction)

**OSHA 5410**

$875

Earn 3.5 CEUs

June 4-8, 2018 (Savannah)

Safety and Health Standards for the Maritime Industry

pe.gatech.edu/osha5410

Receive an overview of the standards related to maritime activities, such as: shipyards, marine terminals, and long-shoring operations. By the end of the course you will be able to recognize, evaluate, and control hazards that are applicable to the industry.

**What You Will Learn**

- Standards that apply to the maritime industry
- Best practices for controlling hazards
- Requirements for the ship’s cargo gear and shore-based cranes
- Standards for long-shoring operations

**OSHA 6005**

$440

Earn 2.3 CEUs

Nov. 14-17, 2017 (Atlanta)

Nov. 6-9, 2018 (Atlanta)

Collateral Duty for Other Federal Agencies

pe.gatech.edu/osha6005  |  29 CFR 1910 $40 (Required)

Effectively assist agency safety and health officers in their inspection and abatement efforts. Learn the process of a site inspection, and visit a government facility to evaluate and document observed hazards. Research and select applicable standards for observed hazards, then present your findings to the class.

**Personal Protective Equipment Requirements**

Participants are required to bring safety shoes, safety glasses, a hard hat, and appropriate clothing.

**What You Will Learn**

- The OSH Act, 29 CFR 1960, and 29 CFR 1910
- Hazard communication
- Inspection field trip, write-up, and review
- Use of the OSHA numbering system
- OSHA standards and the hazard violation workshop
- Walking and working surfaces
- Means of egress and fire protection
- Material handling, electrical standards, and PPE
- Office safety and accident investigation (introduction)
- Industrial hygiene (introduction)

For more information or to register, visit pe.gatech.edu/safety.
OSHA 7115
$270
Earn 0.75 CEUs

Oct. 17, 2017 (Atlanta)
Mar. 1, 2018 (Atlanta)
Oct. 16, 2018 (Atlanta)

**Lockout Tagout**
pe.gatech.edu/osha7115

Learn to detect hazardous conditions, and implement control measures as they relate to the control of hazardous energy. Gain knowledge about the development and implementation of energy control programs, including written isolation procedures, training for authorized and affected employees, and periodic inspection of energy control procedures.

**What You Will Learn**
- Energy control programs—development, procedures, and audits
- Lockout/tagout
- Methods of controlling hazardous energy
- Training for authorized and affected employees
- Periodic inspections

OSHA 7225
$270
Earn 0.7 CEUs

Oct. 30, 2018 (Atlanta)

**Transitioning to Safer Chemicals**
pe.gatech.edu/osha7225

Proactive, preventative approaches that drive the elimination of chemical hazards at the source, and promote the development and adoption of safer alternatives, are needed to protect workers from these hazards. This course will provide participants with information about transitioning to safer chemicals and key methods, tools, and databases that can assist in this process.

**What You Will Learn**
- Basic chemical hazards
- Current chemical use and management
- Inherently Safe Design—substitute for chemical alternatives
- The strategy for implementing a safer alternative
- Creation of a chemical safety team

Working to keep your team safe.

For more information or to register, visit pe.gatech.edu/safety.
### Introduction to Safety and Health Management

**pe.gatech.edu/osha7500**

Effectively implement a company safety and health management system to help reduce the number and severity of workplace injuries and illnesses. Learn the four core elements of an effective system and the central issues critical to properly managing each element.

**What You Will Learn**

- Core elements of an effective safety and health program
- Key processes in each program element
- Management leadership
- Employee involvement
- Work-site analysis
- Hazard prevention and control
- Safety and health training
- Program evaluation

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<th>CEUs</th>
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| OSHA 7500  | $270 | 0.7 | Aug. 28, 2017 (Atlanta)  
Oct. 16, 2017 (Atlanta)  
Jan. 22, 2018 (Atlanta)  
Apr. 2, 2018 (Atlanta)  
May 7, 2018 (Atlanta)  
July 9, 2018 (Savannah)  
Aug. 27, 2018 (Atlanta) |

### Introduction to Incident (Accident) Investigation

**pe.gatech.edu/osha7505**

Through hands-on training, use the Six-Step Procedure to conduct an effective incident investigation at your workplace. Learn the primary reasons for conducting an incident investigation and the employer’s responsibilities related to workplace-incident investigations.

**What You Will Learn**

- Incident analysis using proven techniques
- Your responsibilities in a workplace incident
- Incident investigation basics
- The Six-Step Procedure
- Accident scene preservation and documentation
- Fact collection using interviews
- Sequence of events
- Investigation recommendations
- Recordkeeping and report writing

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| OSHA 7505  | $270 | 0.75 | Oct. 20, 2017 (Atlanta)  
Jan. 12, 2018 (Atlanta)  
May 21, 2018 (Atlanta)  
Oct. 19, 2018 (Atlanta) |

### OSHA Recordkeeping Rule Seminar

**pe.gatech.edu/osha7845**

Simplify the recordkeeping system for your employer using OSHA’s new recordkeeping rule, 29 CFR 1904, designed to improve employee involvement and protect the privacy of an injured or ill worker.

**What You Will Learn**

- OSHA’s revised recordkeeping requirements
- New OSHA requirements for posting and reporting
- Improvements to quality of injury and illness data
- Employer and employee coverage
- OSHA Forms 300, 300A, and 301
- Recordkeeping system improvements

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| OSHA 7845  | $160 | 0.4 | Aug. 11, 2017 (Atlanta)  
Oct. 6, 2017 (Atlanta)  
Jan. 26, 2018 (Savannah)  
Mar. 2, 2018 (Savannah)  
Apr. 27, 2018 (Atlanta)  
June 8, 2018 (Atlanta)  
Aug. 10, 2018 (Atlanta)  
Oct. 5, 2018 (Atlanta) |
**Related Occupational Safety and Health Courses**

**DEF 4504**
$1,595
Earn 1.95 CEUs

Aug. 1-3, 2017 (Atlanta)
July 31-Aug. 2, 2018 (Atlanta)

**Introduction to Human Systems Integration**
pe.gatech.edu/est4504

Find out how to use an HSI program to optimize total system performance and minimize total cost of ownership. Learn to build your system to accommodate the characteristics of your users, who will operate, maintain, and support it.

**What You Will Learn**
- The rationale for conducting an HSI program
- HSI domains and the areas of common concern
- HSI program planning, analyses, and domains
- HSI analyses: mission task analysis
- HSI requirements and metrics
- Trade-offs between domains

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**EST 6000**
$795
Earn 2.1 CEUs

Oct. 24-26, 2017 (Atlanta)
Mar. 27-29, 2018 (Atlanta)
Oct. 23-25, 2018 (Atlanta)

**Managing Environmental Compliance**
pe.gatech.edu/est6000

Learn what steps you need to take to apply EPA regulations to your facility to avoid costly fines. Understand the requirements of environmental laws, regulations, and permits. Use case studies and networking to see how other companies are handling environmental issues. Learn to spot potential environmental hazards and correct the dangers, to better protect your workplace and the environment from hazards.

**What You Will Learn**
- The Resource Conservation and Recovery Act (RCRA)
- Universal waste, hazardous waste, and electronic waste
- The Emergency Planning and Community Right-to-Know Act
- Air emissions, including Title V and SIP
- Hazardous chemical storage and materials transportation
- The Industrial Stormwater Permitting and Pollution Prevention Plan (SWP3) and industrial wastewater
- Spill Prevention Control and Countermeasure (SPCC)
- Underground and aboveground storage tanks
- Environmental management systems – ISO 14001

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For more information or to register, visit pe.gatech.edu/safety.
Scaffolding Safety
pe.gatech.edu/est7000

Identify basic scaffold hazards as required by OSHA’s revised scaffold standard, Subpart L.

Note: This course is not intended to be training for erectors/dismantlers; nor will it “certify” competent persons or qualified persons.

What You Will Learn

- Personal fall arrest systems and fall hazards
- OSHA requirements for scaffold safety
- Additional requirements for specific types of scaffolds
- Scaffold access
- Scaffold collapse hazards
- Scaffold training requirements
- Falling objects hazards
- Causes of scaffold-related accidents
- Requirements for supported and suspended scaffolds
- Electrocution hazards
- Safety management systems
- Additional requirements for specific types of scaffolds
- Scaffold collapse hazards
- Causes of scaffold-related accidents
- Requirements for supported and suspended scaffolds

Advanced Safety Management
pe.gatech.edu/est7001

Gain the tools and knowledge needed for effective management of the safety process. Explore real-life safety management issues and solutions to the most common obstacles. Learn the steps needed for developing a high-performance safety culture. Principle of Practice is recommended for this course and can be purchased during online registration.

What You Will Learn

- The evolution of safety management principles
- Leadership for safety excellence
- Risk assessment
- Current thinking and research in safety management
- Human performance (introduction)
- Incident analysis
- Organizational culture and its impact on safety performance
- Behavior safety principles
- Performance coaching
- Safety management systems
- Leadership for safety excellence
- Risk assessment
- Human performance (introduction)
- Performance coaching
- Safety management systems

Instructional Techniques for Occupational Safety, Health, and Environmental Professionals
pe.gatech.edu/est7003

Design, develop, deliver, evaluate, and manage workplace safety and health training programs. Prepare and give a 30-minute presentation on a relevant workplace safety and health topic. The presentation will include skills and techniques learned in the course; however, you will be encouraged to also bring materials that you are currently working on to use as a reference. Designing and Delivering Effective Training (NESHTA) will be provided in class, and the cost is included with your course fee.

CET Exam Information

The Certified Environmental, Safety and Health Trainer (CET) exam is administered by the Board of Certified Safety Professionals. For more information, please call 217-359-9263 or email bscp@bcsp.org. Registration and exam fees for the CET exam are not included in the course fee.

Required Material

Course fee includes required handbook.

What You Will Learn

- Training lesson plans
- Goal statements identifying target audiences
- Instructional strategies, methods/media, and learning objectives
- Needs analysis and perform a task analysis
- Observable and measurable objectives
- Preparation for the optional CET exam
A Culture of Safety

Robins Air Force Base

Robins Air Force employee Matt Corbitt shares his thoughts about OSHA on-site training.

On-Site Instruction
“The on-site instructors were able to give us an honest look as an outsider, were able to avoid tunnel vision, and go in there and help prevent mistakes.”

Immediately Applicable
“Through learned techniques and training from the instructors, we were able to come back and immediately address issues that we faced.”

Custom Tailored Learning
“Each instructor came in and delivered their material for each particular class they were covering. They were there for us to gain knowledge, and it was an immediate impact.”

Georgia Tech Difference
“Even though the class is over, they encouraged us to call or shoot them an email whenever we needed it. They seemed more than happy to respond to any questions we might have in the future.”

Safety is the foundation of the culture at Robins AFB. Continuing a seven-year partnership with Georgia Tech Professional Education (GTPE), Robins relentlessly pursues being a constant culture of safety.

GTPE creates customized on-site training to support the base’s growing safety personnel. This unique and successful learning experience supports organizational goals and raises the bar in professional education.

For more information or to register, visit pe.gatech.edu/safety.
The success story continues for Robins Air Force Base in 2017:

- **$1,471** Student savings per certificate
- **$294,129** Funds saved by on-site training to date
- **52** Students received certificates in Industrial Safety and Health
- **200** Total number of certificates awarded to date

Why On-Site Training?

Georgia Tech Professional Education offers cost-effective solutions and enables organizations to provide the specialized training their employees need to succeed.

Our world-renowned experts create unique content to meet your staff’s specific needs. Our innovative approach allows for flexible scheduling and the ability for employees to learn on-site within their current roles.

Take advantage of Georgia Tech’s ability to make a difference in your organization. If you have 15 or more students, it is more cost-effective for Georgia Tech to come to you. Contact James Howry at james.howry@gti.gatech.edu or 404-407-8053 to discuss your customizable, on-site options.

For more information or to register, visit pe.gatech.edu/safety.
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<td>DEF 4504</td>
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NFPA 70E: Standard for Electrical Safety in the Workplace
pe.gatech.edu/est7005
Understand the requirements outlined by the NFPA 70E. Use this knowledge to educate your employees on NFPA 70E safety standards. It is highly recommended that attendees of this course also attend OSHA 3095: Electrical Standards (see page 14).

What You Will Learn
- The relationship between NFPA 70E and OSHA
- Protection from arc flashes and blasts
- Use of properly related insulated tools
- Use of PPE, including flame-retardant clothing
- Requirements for electrical safety-related work practices
- Establishing an electrically safe work environment
- The model safety program and design systems
- Working on or near live parts
- Energized electrical work permits
- Flash hazard analysis

Certified Hazardous Material Management (CHMM) Review
pe.gatech.edu/est7006
The CHMM review course provides the environmental professional with the knowledge to comply with health, safety, and environmental guidelines. Environmental programs are vital to our public health and safety. Within that field, the management of hazardous materials requires proven and unquestionable skills and competence. Course completion will prepare participants to sit for the CHMM exam.

What You Will Learn
- The EPA Resource Conservation and Recovery Act
- Hazardous materials transportation
- The law and legal issues; OSHA standards
- EPCRA, CERCLA, SARA, and TSCA
- Bioterrorism and weapons of mass destruction
- Toxicology and epidemiology; hydrology and geology
- Respiratory protection
- Assessment and decision-making
- Environmental program management
- Engineering technology

Construction Health and Safety Technician (CHST) Certification Exam Study Session
pe.gatech.edu/est7007
This two-day course is designed to provide qualified Construction Health and Safety Technician (CHST) certification candidates with the skills, knowledge, and techniques necessary for preparing for the CHST certification exam. Participants will review the CHST exam requirements as well as the skills and knowledge addressed in the domains covered in the examination.

Required Material
Workbooks for this seminar are required and will be referenced throughout the study session. CHST Study Group books must be purchased prior to class and brought along to class. The CHST Study Group books can be purchased for $55 during the registration process. Books will be given out on the first day during check-in.

What You Will Learn
- What the CHST certification is
- Program management
- Preparation for certification exams
- Professional responsibility
- CHST exam requirements and prerequisite skills
- Sample questions review
- Complete CHST self-assessments
- Course evaluation

Working to keep your team safe.

For more information or to register, visit pe.gatech.edu/safety.
### EST 7008

**Introduction to Noise Evaluation and Control**

pe.gatech.edu/est7008

Gain practical, hands-on instruction in the evaluation and control of occupational noise. Learn about the appropriate management strategies needed to conserve hearing in the workplace. This course is targeted toward safety and human resource managers and allied personnel who are responsible for the development and management of hearing conservation programs in both general industry and construction.

#### What You Will Learn

- OSHA's general industry and noise standards
- Principles of noise generation and propagation
- Instrumentation principles for noise sampling
- Laboratory exercises in noise sampling
- Software for noise analysis
- Sound-level meters and noise dosimeters
- Methods of noise control
- Hearing conservation training materials
- Laboratory exercises in evaluation of noise control

### EST 7009

**Air Sampling Fundamentals for the Workplace**

pe.gatech.edu/est7009

Learn about the available strategies for workplace air monitoring. Training will allow participants to gain the knowledge to conduct an air monitoring survey of their workplaces for compliance with OSHA, state, or insurance requirements; to respond to a complaint; to evaluate controls; and to select appropriate personal protective equipment or respiratory protection.

#### Additional Information

The topics in EST 7009: Air Sampling Fundamentals and OSHA 2225: Respiratory Protection go hand in hand, and now you can take both Georgia Tech Professional Education courses in one week (see Course Calendar).

#### What You Will Learn

- Purposes of air sampling
- Air sampling methodologies and equipment
- Common types of workplace air contaminants
- Calibration and sampling techniques
- Calculation of time-weighted averages (TWA)
- Interpretation of laboratory results

### EST 7010

**Process Safety Management of Highly Hazardous and Explosive Chemicals**

pe.gatech.edu/est7010

Learn about Process Safety Management (PSM) programs, who is covered by such a program, the team process, the elements of a properly designed program, how to begin the process, and the basics of how PSM and the EPA's Risk Management Plans work together.

#### What You Will Learn

- Application and exclusions
- Hazards of the process and toxicity
- Technology and equipment in the process
- Mechanical integrity, inspection/testing, and quality
- Process Hazard Analysis
- Operating procedures and emergency preparedness
- Contractor management and management of change
- Incident investigation and compliance audits

For more information or to register, visit pe.gatech.edu/safety.
Topics in Occupational Health Management
pe.gatech.edu/est7012

Participants will hear from industry experts on complex issues, such as implementing effective employee health management programs, work-site wellness programs, communicable disease control in the workplace, and risk management (with a focus on workers’ compensation and labor relations). Promotion strategies outlining the business case for workplace Environmental, Health & Safety (EHS) programs will be emphasized.

What You Will Learn
- Occupational health risks
- Employee health/wellness programs
- Common occupational health risks
- Occupational health risk management

Power Transmission and Distribution
pe.gatech.edu/est7013

Get a one-day overview of the standards for power distribution and transmission. Discuss the safety hazards involved with the operation and maintenance of electric power generation, transmission equipment, distribution lines, and equipment.

What You Will Learn
- Power transmission and distribution hazards
- Hazardous energy control
- Training requirements
- Live-line work
- De-energizing lines
- Mechanical equipment
- Tree trimming
- Substations

Lean and Safe: Safety-Integrated Process Improvement
pe.gatech.edu/est7015

Explore an integrated approach for improving both production processes and safety outcomes. Participants with either process improvement or safety and health backgrounds will benefit from this integrated, simulation-based learning experience. See how integrating process and safety concurrently promotes greater benefits to the organization.

What You Will Learn
- Safety-integrated process
- Assessment of waste and hazards
- Analysis of safety-integrated process
- Leading in a “lean and safe” organization
- Sustainable safety-integrated process improvements
- Stream mapping for processes and safety outcomes

For more information or to register, visit pe.gatech.edu/safety.
**EST 7018**

$795  
Earn 1.2 CEUs  
Nov. 28-29, 2017 (Atlanta)  
Dec. 4-5, 2018 (Atlanta)

**Trainer Course: Electrical Safety Standard for the Workplace, NFPA 70E**

pe.gatech.edu/est7018  

Learn insights into the best work practices as you apply your skills through an in-class training presentation. Gain an understanding of the basics of electrical safety standards, training techniques, and the skills necessary to implement the NFPA 70E standard training personnel.

**Prerequisites**

Participants are required to have:

1. Completion of the EST 7005 course  
2. Two years of experience in the electrical industry (electrical engineering degree — BS, MS, Ph.D. can suffice for the experience)

**What You Will Learn**

- The elements of an electrical safety program  
- Hazards of arc flash/blast  
- Selection and use of Personal Protective Equipment (PPE)  
- The NFPA 70E and OSHA standards

**EST 7020**

$600  
Earn 1.4 CEUs  
Mar. 29-30, 2018 (Atlanta)

**Electrical Transmission and Distribution: 10-Hour Construction Safety and Health**

pe.gatech.edu/est7020  

This two-day course examines topics related to ET&D work and is geared toward training workers, managers, and supervisors in the construction hazards of ET&D and preventing potential injuries and illnesses related to work activities. Obtain an ET&D 10-Hour Card.

**What You Will Learn**

- Electrical safety  
- Grounding  
- Electrical PPE  
- Lifting/rigging requirements  
- Confined/enclosed spaces  
- Job briefings  
- Excavation/trenching hazards  
- Fall protection

**ONLINE**

**EST 7122**

$270  
Earn 0.7 CEUs  
July 1-Dec. 31, 2017 (Online)

**Introduction to Safety and Health Management**

pe.gatech.edu/est7122  

Effectively implement a company safety and health management system to help reduce the number and severity of workplace injuries and illnesses. Learn the four core elements of an effective system and the central issues critical to properly managing each element.

**What You Will Learn**

- Management leadership and employee involvement  
- Work-site analysis and program evaluation  
- Hazard prevention and control  
- Safety and health management and training

For more information or to register, visit pe.gatech.edu/safety.
Managing Legal Issues in General Industry, Construction, Engineering and Safety
pe.gatech.edu/est7125

Many times, private sector and governmental personnel from all types of industries are not fully aware of the legal aspects that affect construction, engineering, and safety for projects that are performed in general, commercial, and industrial construction. Learn how to perform Process Hazard Analysis, the methods that can be used, the team method, and more.

What You Will Learn

- How engineering design affects safety
- The professional engineer’s role
- Licensing, education, and qualifications for projects
- Basics of reviewing construction contracts
- How to use AIA contract forms
- OSHA and EPA compliance and employment law
- Basics of insurance/risk financing methods
- The construction process, including schedule, retainage, liquidated damages, and safety

For more information or to register, visit pe.gatech.edu/safety.
EST 7126
$1,395
Earn 2.75 CEUs
Apr. 30-May 4, 2018 (Atlanta)

Process Safety Management – Process Hazard Analysis
pe.gatech.edu/est7126
Learn how to perform Process Hazard Analysis (PHA), the methods that can be used, the team method, planning and facilitating PHA, revalidation of process hazard analyses, and more detailed analyses, such as Safety Integrity Level (SIL) reviews and Layer of Protection Analysis (LOPA). This course is a team-based course where attendees learn from a real-life case study.

What You Will Learn
• PHA methods
• Critical requirements for an effective PHA
• Understand process hazards
• Best PHA methods

• Leading and coaching PHA
• Management of change and PHA
• Revalidation of PHA
• Basics in SIL reviews

• LOPA
• PHA for process changes, procedures, and reporting

EST 7127
$495
Earn 1.4 CEUs
June 26-27, 2018 (Atlanta)

Modern Theories in Accident Causation
pe.gatech.edu/est7127
In this course we will examine and apply, with the use of the case study method, some of the more modern tools used to analyze workplace incidents. Tools such as human performance, systems theory, combination theory, and epidemiological theory will be discussed and applied.

What You Will Learn
• Human error and types
• Multiple accident causation theories
• Countermeasures to prevent recurrence
• The role of accident causation within a safety management system

EST 7128
$395
Earn .70 CEUs
Apr. 9, 2018 (Atlanta)

Process Safety Management – Mechanical Integrity
pe.gatech.edu/est7128
Learn the integral role that mechanical integrity plays within the basics of process safety management. Students will master the key principles of inspection, testing, and quality assurance while also applying the principles of continuous improvement to perform a mechanical integrity audit.

What You Will Learn
• Managing special equipment, such as relief, vent, flare, and SIL level devices in Mechanical Integrity (MI) programs
• The elements of a good MI program
• Risk management tools: Remaining Life Calculations, Fit For Service
• MI auditing – continuous improvement

Georgia Safety, Health and Environmental Conference
Sept. 6-8, 2017 (Preconference workshops start Sept. 5), Macon Marriott City Center
Visit Georgia Tech’s Occupational Safety & Health booth to learn about our new safety courses and to discover how Georgia Tech’s OSHA Consultation Program can help you. Go to georgiaconference.org for up-to-date information.

For more information or to register, visit pe.gatech.edu/safety.
Advanced Process Safety Management – PSM II
pe.gatech.edu/est7129
Learn the advanced methods of process safety utilized throughout the world to properly manage chemical process hazards by developing a process safety culture. Understand advanced methods in a case study-driven, interactive environment.

What You Will Learn

- Risk management of operating instructions, safe work practices, and contractor management
- Application of codes and standards in Mechanical Integrity (MI)
- Best methods of management of change
- International process safety – COMAH and Sevesco II
- Process hazards of toxicity, corrosivity, fire, and explosion
- MI risk management tools: RBMI Remaining Life, Fit for Service

Process Safety Management – PSM Auditing
pe.gatech.edu/est7130
Get an in-depth understanding of audit principles and methods that are key in ensuring an effective audit. Learn to properly plan, execute, and document a Process Safety Management (PSM) audit, utilizing OSHA NEP methodology, and key principles of the CCPS.

What You Will Learn

- Audit principles for both PSM and RMP programs
- Proper audit interview processes
- Development of your own audit protocol for your specific process safety program
- How to author the audit report – concise observations, findings, and recommendations
- How to track audit recommendations to closure

OSHA Silica Standard: Gaining the Skills and Capabilities to Comply
pe.gatech.edu/est7132
Obtain a comprehensive review of the new OSHA regulation, training on the health effects of silica exposure, and practical steps companies can take to protect workers from the hazards of silica exposure. Learn to implement assessment methods for measuring worker exposure, and assist employers in understanding the medical surveillance requirements of the standards.

What You Will Learn

- How to analyze exposure-monitoring results to determine the appropriate respiratory protection needed for each task
- Various engineering control measures used to reduce exposure to silica
- Health effects of silica overexposure, including the signs, symptoms, and diseases associated with silica
- Components of a silica-exposure monitoring program
**Occupational Safety and Health Consultation Program**

Georgia Tech Professional Education’s lineup of occupational safety and health courses continues to grow, but our assistance doesn’t stop there. Our award-winning, confidential safety and health consultation provides expert insight and practical solutions to help Georgia businesses prevent workplace injuries and better protect their teams. Experts with Georgia Tech Research Institute, who are Georgia Tech instructors, offer this no-cost service through our Occupational Safety and Health Consultation Program. Georgia businesses with fewer than 250 employees and not more than 500 employees are eligible to participate.

**How It Works**

Our on-site consulting helps your business meet OSHA’s requirements but is separate from enforcement and does not result in penalties or citations. Employers can receive limited assistance (addressing specific processes or areas of concern) or full-service assistance (analyzing an entire facility).

Georgia Tech consultants arm businesses with the information and strategies to decrease injuries, maximize productivity, and protect employees’ safety and health.

**We accomplish this by offering these key services:**

- Walk-through surveys
- Work practices surveys
- Noise measurements
- Ergonomics assessment
- Air sampling and analysis
- Evaluations of technical programs
- Safety and health management system development

**For more information, contact us at:**

**Occupational Safety and Health Consultation Program**

Georgia Tech Research Institute  
260 14th St. NW  
Atlanta, GA 30332-0837  
404-407-7431  
oshainfo.gatech.edu

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**Get SHARP**

Georgia Tech’s safety and health consultants can help your businesses qualify for Safety & Health Achievement Recognition Program (SHARP), which can exempt your business from general OSHA inspections for one to two years.

To qualify, businesses must have corrected all safety and health hazards identified by Georgia Tech consultants and develop and implement an effective safety and health program. Businesses with fewer than 500 employees nationwide also must have reduced the rate of injuries and lost workday incidents to below their industries’ national averages.

Visit oshainfo.gatech.edu for SHARP requirements and more details about how Georgia Tech Professional Education can assist your company.
### Hazardous Materials

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Fee</th>
<th>CEUs Earned</th>
<th>Dates</th>
<th>Course URL</th>
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</thead>
<tbody>
<tr>
<td>HAZ 1000</td>
<td>24-Hour Hazmat Technician</td>
<td>$675</td>
<td>2.68</td>
<td>Dec. 5-7, 2017 (Smyrna)</td>
<td>pe.gatech.edu/haz1000</td>
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<td>June 5-7, 2018 (Smyrna)</td>
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<td>Dec. 4-6, 2018 (Smyrna)</td>
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<td><strong>Learn</strong> the basic knowledge and techniques required for personnel responding proactively to hazardous material spills in an industrial setting, and by OSHA for demonstrated competency at the Hazmat Technician Level under 29 CFR 1910.120(q)(6)(iii). This three-day, 24-hour class emphasizes how to recognize and properly respond to threats that first responders, industrial emergency-response teams, and environmental health and safety professionals may encounter from releases of hazardous materials, chemical spills, fires, explosions, and man-made and natural disasters in various settings. Gain hands-on practical training in the various concepts while enhancing your skills through a simulated spill conducted under realistic conditions. Requires Personal Protective Equipment (PPE).*</td>
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<td><strong>What You Will Learn</strong></td>
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<td></td>
<td>• Hazardous materials chemistry and toxicology</td>
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<td>• Respiratory protection</td>
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<td>• Chemical protective clothing</td>
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<td></td>
<td>• Air sampling and monitoring instrumentation</td>
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<td>• Decontamination</td>
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<td></td>
<td>• Practical field exercises</td>
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<td>• Full dress-out spill drill</td>
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<tr>
<td>HAZ 1002</td>
<td>HAZWOPER Annual Refresher</td>
<td>$270</td>
<td>0.7</td>
<td>Aug. 31, 2017 (Smyrna)</td>
<td>pe.gatech.edu/haz1002</td>
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<td>Nov. 30, 2017 (Smyrna)</td>
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<td>Mar. 20, 2018 (Smyrna)</td>
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<td>Nov. 29, 2018 (Smyrna)</td>
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<td><strong>This one-day course meets OSHA’s HAZWOPER regulatory annual refresher training requirements under 29 CFR 1910.120(e) and (q). The focus of this refresher course changes yearly to reflect trends and practices, regulatory updates, and timely topics. The previous year’s course topics included site safety and health programs, hazardous communications, toxicology and medical surveillance, hazardous materials chemistry, and respiratory protection. There are no medical or PPE requirements for this course. Contact Kevin Kamperman, Director of Hazardous Materials Training, at <a href="mailto:kevin.kamperman@gti.gatech.edu">kevin.kamperman@gti.gatech.edu</a> for information on the current year’s topics.</strong></td>
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<td><strong>What You Will Learn</strong></td>
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<td>• HAZWOPER requirements for annual refresher training</td>
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<td>• Insights on new trends, technologies, and procedures in HAZWOPER-related fields</td>
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<tr>
<td>HAZ 1004</td>
<td>HAZWOPER Site Operations</td>
<td>$1,035</td>
<td>3.93</td>
<td>Oct. 9-13, 2017 (Smyrna)</td>
<td>pe.gatech.edu/haz1004</td>
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<td>Apr. 9-13, 2018 (Smyrna)</td>
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<td>Oct. 8-12, 2018 (Smyrna)</td>
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<td>*<em>The OSHA HAZWOPER standard, 29 CFR 1910.120, requires all employees, supervisors, and management working on hazardous waste sites or hazardous material spills who may be exposed to hazardous materials, health hazards, or safety hazards to receive training before engaging in hazardous waste operations or spill response. Suit up in protective equipment, including Self-Contained Breathing Apparatus (SCBA) and totally encapsulated chemical protective suits, and practice a variety of skills necessary on hazardous waste sites and hazmat emergency responses. End the week with two full dress-out drills and corresponding debriefings. Requires Personal Protective Equipment (PPE).</em> **</td>
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<td><strong>What You Will Learn</strong></td>
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<td>• 29 CFR 1910.120 and the corresponding training requirements</td>
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<td>• Hazardous materials chemistry</td>
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<td>• Respiratory protection</td>
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<td>• Toxicology and medical surveillance</td>
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<td>• Decontamination</td>
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<td>• The Incident Command System / National Incident Management System (NIMS)</td>
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<td>• Practical skills exercises and response drills</td>
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<td><strong>For more information or to register, visit pe.gatech.edu/safety.</strong></td>
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</table>
**HAZ 1006**  
$1,035  
Earn 3.33 CEUs  
July 16-20, 2018 (Smyrna)

**Advanced Hazmat School**  
pe.gatech.edu/haz1006

The Advanced Hazmat School incorporates two of our most popular specialist-level courses: Atmospheric Hazards and Air Sampling, and Decontamination Specialist. The week is a mixture of classroom instruction and field practical exercises with instrumentation and decontamination equipment. Upon completion of the week, students will receive a certificate for the Advanced Hazmat School, reflecting the two specialist-course competencies. Shower facilities are available at the course site. Participants will need to provide their own towels and toiletries. Requires Personal Protective Equipment (PPE).*

**Prerequisite**

Proof of Hazmat Technician training is required prior to or at course check-in.

**What You Will Learn**

- Methods of decontamination and measuring effectiveness
- Technical decontamination
- Patient, pre-hospital, and hospital care
- Technical decontamination field exercise
- Patient decontamination field exercise
- Atmospheric hazards
- Advanced instrumentation
- Air sampling exercises

*Clothing and Personal Protective Equipment (PPE)*

**Requirements for HAZ 1000, 1004, and 1006 courses**

Students should wear seasonally appropriate clothing when participating in hands-on field exercises related to hazmat emergency response or cleanup operations. Shorts and T-shirts are recommended for warm weather, while jeans and sweatshirts are more appropriate for colder weather. Both should be brought during the winter because Georgia weather is unpredictable.

*Note: Students are required to provide their own personal protective equipment (hard hat, steel-toed safety shoes or boots, and safety glasses). Gloves and breathing apparatus will be furnished. Firefighters and others with SCBAs may bring them, though it is not necessary. If you bring your SCBA, we can arrange for cylinder refills (2216 and 4500 psi).*

All students must have a complete physical examination, emphasizing respiratory and cardiac fitness, before attending this course. SCBA and encapsulated suits are used extensively, which may place an excessive strain on the heart and lungs. Appropriate medical forms will be provided with your registration confirmation letter.

**NEW COURSE**

**HAZ 7022**  
$1,295  
Earn 1.95 CEUs  
Sept. 19-21, 2017 (Smyrna)  
Sept. 18-20, 2018 (Smyrna)

**Permit Required Confined Space Entry and Rescue Level 2**  
pe.gatech.edu/haz7022

Learn the technical rescue and recovery of victims trapped in a confined space or in a place accessible only through a confined space, such as storage silos, storage tanks, sewers, or underground vaults. Completing OSHA 2264: Permit-Required Confined Space Entry is highly recommended for this course.

**Prerequisite**

Medical evaluation and written clearance by physician or other licensed healthcare professional (PLHCP).

**What You Will Learn**

- Hands-on rescue techniques
- Confined space entry classroom refresher
- Rescue knot proficiency
- Rescue equipment training
- Technical rescue techniques
- Main types of rescue
- Patient assessment and scene survey

For more information or to register, visit pe.gatech.edu/safety.
Join a New Class of Safety Leaders

Apply by May 1, 2018, for the August 2018 cohort.

- The first occupational safety and health master's program in Georgia
- Attend a top-10 public university
- Fits into your work schedule
- Complete 10 courses in two years
- 24/7 online course access

Learn more at pe.gatech.edu/pmosh-online.

CONTINUE YOUR SUCCESS STORY
**FREE Seminars in Atlanta and Savannah, GA**

**OSHA 7405** Fall Hazard Awareness for the Construction Industry  
Sept. 25, 2017 (Atlanta)  
Recognize potential fall hazards at your work site and learn ways to avoid, minimize, control, or prevent them whenever possible.  
Earn 0.33 CEUs

**EST 8001** General Industry Safety and Health Seminar  
Sept. 26, 2017 (Atlanta)  
Learn ways to implement OSHA’s safety and health regulations in the workplace. Be introduced to OSHA’s general industry standards, and receive an overview of the requirements for some of the key safety issues facing general industry, including the prevention of amputations and exposures to lead and silica.  
Earn 0.55 CEUs

**OSHA 7105** Introduction to Emergency Planning Seminar  
Sept. 27, 2017 (Atlanta)  
Learn to protect workers from emergencies in the workplace. This seminar briefly covers issues such as chemical spills, severe weather, fire, workplace violence, and homeland defense. Learn about the plans required by OSHA to deal with these issues. The class will be dedicated to emergency action plans, general site safety, and emergency response plans.  
Earn 0.5 CEUs

**EST 8003** Ergonomics and the Control of Musculoskeletal Disorders  
Sept. 27, 2017 (Atlanta)  
Determine if ergonomic hazards exist in your company’s facilities, and learn how to address those hazards. Identify risk factors for upper extremity and back-related issues, which are prominent in the workplace. Get up-to-date information about OSHA’s ergonomics agenda.  
Earn 0.35 CEUs

**OSHA 7100** Introduction to Machinery and Machine Safeguarding  
Sept. 28, 2017 (Atlanta)  
Increase your knowledge and skills in proper machine safeguarding techniques. Learn about the benefits of guarding various types of machinery. Properly safeguarding machinery can reduce or eliminate the potential for accidents and injuries.  
Earn 0.33 CEUs

**OSHA 7205** Health Hazard Awareness  
Sept. 29, 2017 (Atlanta)  
Feb. 27, 2018 (Savannah)  
OSHA’s current strategic plan has made a reduction in some specific health hazards such as lead, silica, and ergonomic-related priorities. Recognize those potential health hazards in the workplace to avoid, minimize, control, or eliminate them whenever possible.  
Earn 0.60 CEUs

**EST 8002** Special Topics in Occupational Health / Industrial Hygiene Seminar  
Sept. 29, 2017 (Atlanta)  
Learn to protect workers who have potential exposure to occupational health hazards in the workplace. Updates will be provided on important OSHA and industrial hygiene-related topics.  
Earn 0.55 CEUs

**OSHA 7200** Bloodborne Pathogens Exposure Plan for Healthcare Facilities  
Feb. 28, 2018 (Savannah)  
Develop a bloodborne pathogens exposure plan for healthcare facilities using a step-by-step approach. Topics covered include the introduction to the bloodborne pathogens standard, the exposure control plan, exposure determination, methods of control, vaccinations and evaluations, training and information, and recordkeeping.  
Earn 0.7 CEUs

**OSHA 7510** Introduction to OSHA for Small Businesses  
March 1, 2018 (Savannah)  
Owners and managers of small businesses will receive an introduction to OSHA. The goal of the course is to help participants gain an understanding of OSHA operations and procedures and learn how they can work with OSHA to prevent or reduce injuries and illnesses in their workplaces.  
Earn 0.33 CEUs

**How to Register**  
Atlanta courses will take place at the GTRI Conference Center, located at 250 14th St. NW, Atlanta, GA 30332.  
We accept only online registration. Please visit oshainfo.gatech.edu. Click on the Safety and Health Free Seminars Registration banner under the “What’s New” section on the home page.

**Directions to GTRI Conference Center and Savannah:** See page 35.

For more information or to register, visit pe.gatech.edu/safety.
Georgia Tech Global Learning Center
Atlanta, Georgia
84 5th St. NW, Atlanta, GA 30308

Driving Directions
The Georgia Tech Global Learning Center is located at 84 5th Street.
• From the Hartsfield-Jackson Atlanta International Airport or the south Atlanta area, take Interstate 85/75 north to the Spring/West Peachtree streets exit (Number 249D)
• Stay in the left lane as you exit onto Linden Avenue
• Continue straight for 0.1 miles on Linden Avenue, and turn left onto West Peachtree Street
• Travel 0.3 miles and turn left onto 5th Street
• Go one block, and turn left onto Spring Street (Barnes & Noble at Georgia Tech Bookstore will be on your left and the Georgia Tech Hotel on your right)
• Proceed a half block, and turn right at the next light into the parking deck.
  Park in the deck, and enter the Georgia Tech Global Learning Center on the second level (blue level)
• Our parking garage address is 770 Spring St. NW, Atlanta, GA 30308

Georgia Tech Research Institute
Cobb County Research Facility
Smyrna, Georgia
7220 Richardson Road, Smyrna, GA 30080

Driving Directions from North of the Facility
• Take I-75 south to the Windy Hill Road exit 260
• Turn right onto Windy Hill Road toward Smyrna
• Refer to the rest of the directions below starting at the arrow (►)

Driving Directions from South of the Facility (including the Georgia Tech Research Institute)
• Take I-75 north to the Windy Hill Road exit 260 (first exit after I-285 interchange)
• Turn left onto Windy Hill Road toward Smyrna
► Travel 3.0 miles, cross under bridge overpass, and turn right immediately onto Atlanta Road
• Travel approximately 0.9 miles down Atlanta Road (second traffic light) to George McMillian Drive, and turn right
• Proceed under railroad tracks, and turn left immediately (Lockheed Martin will be directly in front of you — there are no street signs)
• Travel 0.4 miles to a stop sign near the Clay National Guard Center entrance
• Continue on to the right (the road narrows) for 0.3 miles to the Cobb County Research Facility entrance on the right (gate opens at 7:00 a.m.)
• Enter the facility, and drive around past the lake; visitor parking is on the left (park along curb if spaces are full)
• Take the stairs to Building 1 located on the left, and check in with the guard in the lobby

From Atlanta Hartsfield-Jackson Airport
• Exit the airport to Camp Creek Parkway
• Travel approximately 3 miles, turn right onto I-285 north
• Proceed 13.2 miles to the Atlanta Road exit 16
• Turn left onto Atlanta Road, travel 4.5 miles, and cross over Windy Hill Road
• Continue to the second traffic light, and turn right onto George McMillian Drive
• Proceed under railroad tracks, and turn left immediately (Lockheed Martin will be directly in front of you — there are no street signs)
• Travel 0.4 miles to a stop sign near the Clay National Guard Center entrance
• Proceed through the stop sign (the road narrows) for 0.3 miles to Cobb County Research Facility entrance on the right (gate opens at 7:00 a.m.)
• Enter the facility, and drive around past the lake; visitor parking is on the left (park along curb if spaces are full)
• Take the stairs to Building 1 located on the left, and check in with the guard in the lobby

For more information or to register, visit pe.gatech.edu/safety.
**Georgia Tech-Savannah**
210 Technology Circle, Savannah, GA 31407

**Driving Directions**
- Take I-95 north to exit 106 (Jimmy Deloach Parkway) and turn right
- At first traffic light, turn left onto Crossroads Parkway
- At stop sign, turn left onto Technology Circle

**GTRI Conference Center**
250 14th St. NW, Atlanta, GA 30318

The GTRI Headquarters / GTRI Conference Center Building is next door to Georgia Public Broadcasting. Parking is available in the parking deck that is located between the GTRI Headquarters Building and the Georgia Public Broadcasting building.

**From Hartsfield-Jackson International Airport and Points South of Atlanta**
- Take I-75/I-85 north through downtown Atlanta to 14th Street/10th Street exit
- Go straight, passing through one intersection, which is 10th Street
- Turn left at 14th Street to cross over the interstate

**From Points North/Northeast of Atlanta (driving south on GA-400 or I-85)**
- Take I-85 south to exit 84, marked 10th/14th/17th Streets
- Take the 10th Street exit branch, veering to the left
- Take the 14th St. exit, turning to the right

**From Points Northwest of Atlanta**
- Take I-75 south to exit 250, marked Techwood/14th/10th Streets (and becomes) 16th/14th/10th Streets
- Veer right onto 14th/10th Street branch
- Turn right onto 14th Street

The GTRI Headquarters / GTRI Conference Center Building is on the left (between the Georgia Public Broadcasting building and the Silver Skillet).

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### Course Locations

#### Georgia

1. **Atlanta**
   Georgia Tech Global Learning Center
   Technology Square
   84 5th St. NW
   Atlanta, GA 30308-1031
   **Courses offered:**
   All OSHA and EST courses

2. **Savannah**
   Georgia Tech-Savannah
   210 Technology Circle
   Savannah, GA 31407
   **Courses offered:**
   OSHA 500, OSHA 501, OSHA 502, OSHA 503, OSHA 510, OSHA 511, OSHA 521, OSHA 2045, OSHA 3015, OSHA 3095, OSHA 3115, OSHA 7200, OSHA 7205, OSHA 7500, OSHA 7505, OSHA 7510, OSHA 7845, EST 7000, EST 7005, EST 7015, EST 7132

3. **Smyrna**
   Georgia Tech Cobb Facility
   7220 Richardson Road
   Smyrna, GA 30080
   **Courses offered:** All HAZ courses

#### Florida

6. **Orlando**
   GTRI Field Office
   11315 Corporate Boulevard
   Suite 110
   Orlando, FL 32817
   **Courses offered:**
   OSHA 510, OSHA 511

7. **Nashville (TBD)**

#### North Carolina

8. **Asheville**
   Comfort Suites Asheville
   890 Brevard Road
   Asheville, NC 28806
   **Courses offered:**
   OSHA 510, OSHA 511

#### South Carolina

9. **Greenville**
   Peak Safety Performance
   1706 Claire Court
   Seneca, SC 29672
   **Courses offered:**
   OSHA 510, OSHA 511

#### Kentucky

10. **Bowling Green**
    National Corvette Museum
    350 Corvette Drive
    Bowling Green, KY 42101
    **Courses offered:**
    OSHA 510, OSHA 511

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For more information or to register, visit pe.gatech.edu/safety.
Georgia Tech Research Institute (GTRI) is the applied research and development arm of the Georgia Tech Institute of Technology, one of the world’s top-ranked research universities. GTRI employs more than 1,800 scientists, engineers, and professionals and is the largest employer of Georgia Tech students. They help solve the most difficult problems facing government and industry across the nation and around the globe.

gtri.gatech.edu
Have Questions? We Have Answers.

Use our FAQs below to guide you through our Occupational Safety and Health Program.

If I am new to the safety field, where do I start?
For Construction Industry, please begin with OSHA 510 (see page 8).
For General Industry, please begin with OSHA 511 (see page 10).

Are there courses with requirements or prerequisites?
The OSHA 500, 501, 502, 503, 3115, and HAZ 1006 courses have prerequisites. Please go to the course page for details. We cannot allow/grant exceptions for prerequisites and work experience.

How can I check the courses that I’ve taken?
To request a Georgia Tech Professional Education transcript, fill out the form at pe.gatech.edu/transcript.

What is included in the course fees?
The course fee includes all necessary classroom materials, OSHA, EST, and HAZ attendance certificates, applicable course tour, and badge identification.

How can I purchase a CFR, and when will I receive it?
If the CFR is required for your class, you should purchase it when you register. If you purchase the CFR, you will receive it at check-in on the first day of class.

How can I have Georgia Tech OSHA Training Institute Education Center come to my company and teach a course?
For on-site training and topic areas, see page 7 in the catalog.

OSHA Authorized Trainers Should Know:

**Outreach Trainer Program**

- 5 years of Safety Experience in the Industry
- Complete the OSHA Standards Course for Your Industry: [OSHA 510 or OSHA 511](#)
- Complete the Trainer Course for Your Industry: [OSHA 500 or OSHA 501](#)
- Begin Teaching OSHA 10- and 30-Hour Outreach Classes
- Renew Every 4 Years

How do I apply for the OSHA 500, 501, 502, or 503 course?
Each student who participates in a Georgia Tech Professional Education course is required to complete a profile. You should go to [pe.gatech.edu/user/login](http://pe.gatech.edu/user/login) to create a new account profile.
A step-by-step guide on how to create a new account and apply for these courses can be found at [pe.gatech.edu/osha-program-faqs](http://pe.gatech.edu/osha-program-faqs).

**Build Areas of Expertise – Occupational Safety and Health Certificates**

How do I request a program certificate?
You must fill out a Program Certificate Petition form for review the first day of class. If you earn your certificate for a one-day class, you will need to send in your petition form at least two days before the class begins. Otherwise, your certificate will be mailed to you.

When will I receive my course certificate?
Georgia Tech’s OSHA Training Institute distributes OSHA and HAZ certificates by mail or on the last day of class. Georgia Tech’s Professional Education Registrar’s Office mails EST certificates after grades are submitted.

How do I request a replacement certificate?
If you are replacing an OSHA numbered course certificate, there will be a $25.00 fee, and you can request this by following the instructions here: [pe.gatech.edu/replacecert](http://pe.gatech.edu/replacecert).
If you are requesting an EST numbered course certificate, we can provide a PDF of your certificate via email or a printed copy by postal mail: ATTN: Georgia Tech Professional Education Registration 84 5th St. NW Atlanta, GA 30308-1031
Or email [pregistration@gatech.edu](mailto:pregistration@gatech.edu) with the following information:
First name, last name, date of birth, email address, course title, and course date.

What are Certification/Maintenance Points?
ABIH has previously awarded CM (Certification Maintenance) credit for OSHA Education Center courses. ABIH has indicated that if a Certified Industrial Hygienist (CIH) attends an OSHA Education Center course, it is able to calculate the CM credit. Please visit [abih.org/maintain-certification/cm-credit-education-events](http://abih.org/maintain-certification/cm-credit-education-events).

Georgia Tech Hazmat courses have been approved for Georgia Peace Officer Standards and Training credit (Georgia P.O.S.T. credit).

CEUs may be offered by other associations (inquire directly with those groups). Check with your credentialing organization to determine if our courses are accepted.

For additional Frequently Asked Questions for the Georgia Tech Occupational Safety and Health Program, visit [pe.gatech.edu/osha-program-faqs](http://pe.gatech.edu/osha-program-faqs).

For more information or to register, visit [pe.gatech.edu/safety](http://pe.gatech.edu/safety).
## Construction Safety and Health

**Completion Date**

<table>
<thead>
<tr>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA 510: Occupational Safety and Health Standards for Construction Industry OR</td>
</tr>
<tr>
<td>OSHA 500: Trainer Course in Occupational Safety and Health Standards for Construction Industry OR</td>
</tr>
<tr>
<td>OSHA 502: Update for Construction Industry Outreach Trainers</td>
</tr>
<tr>
<td>OSHA 521: OSHA Guide to Industrial Hygiene</td>
</tr>
<tr>
<td>EST 7000: Scaffolding Safety</td>
</tr>
<tr>
<td>OSHA 3015: Excavation, Trenching and Soil Mechanics</td>
</tr>
<tr>
<td>OSHA 3115: Fall Protection</td>
</tr>
<tr>
<td><strong>Elective Course</strong></td>
</tr>
<tr>
<td>Take any one OSHA, EST, or HAZ course not previously used as a core or elective course.</td>
</tr>
</tbody>
</table>

## Hazardous Materials Management

**Completion Date**

<table>
<thead>
<tr>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAZ 1000: 24-Hour Hazmat Technician OR</td>
</tr>
<tr>
<td>HAZ 1002: HAZWOPER Annual Refresher OR</td>
</tr>
<tr>
<td>HAZ 1004: HAZWOPER Site Operations</td>
</tr>
<tr>
<td>OSHA 2015: Hazardous Materials</td>
</tr>
<tr>
<td>HAZ 1006: Advanced Hazmat School</td>
</tr>
<tr>
<td>OSHA 521: OSHA Guide to Industrial Hygiene</td>
</tr>
<tr>
<td>OSHA 2225: Respiratory Protection</td>
</tr>
<tr>
<td><strong>Elective Course</strong></td>
</tr>
<tr>
<td>Take any one OSHA, EST, or HAZ course not previously used as a core or elective course.</td>
</tr>
</tbody>
</table>

## Industrial Safety and Health

**Completion Date**

<table>
<thead>
<tr>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA 511: Occupational Safety and Health Standards for General Industry OR</td>
</tr>
<tr>
<td>OSHA 501: Trainer Course in Occupational Safety and Health Standards for General Industry OR</td>
</tr>
<tr>
<td>OSHA 503: Update for General Industry Outreach Trainers OR</td>
</tr>
<tr>
<td>OSHA 6000: Collateral Duty Course for Other Federal Agencies</td>
</tr>
<tr>
<td>OSHA 521: OSHA Guide to Industrial Hygiene</td>
</tr>
<tr>
<td>OSHA 2045: Machinery and Machine Guarding Standards</td>
</tr>
<tr>
<td><strong>Elective Courses</strong></td>
</tr>
<tr>
<td>Take any three OSHA, EST, or HAZ courses not previously used as a core or elective course.</td>
</tr>
</tbody>
</table>

## Safety and Health Management

**Completion Date**

<table>
<thead>
<tr>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA 7500: Introduction to Safety and Health Management OR</td>
</tr>
<tr>
<td>EST 7122: Introduction to Safety and Health Management (Online)</td>
</tr>
<tr>
<td>EST 7001: Advanced Safety Management</td>
</tr>
<tr>
<td>EST 7003: Instructional Techniques for Occupational Safety, Health and Environmental Professionals</td>
</tr>
<tr>
<td>OSHA 2255: Principles of Ergonomics Applied to Work-Related Musculoskeletal and Nerve Disorders</td>
</tr>
<tr>
<td>OSHA 7505: Introduction to Incident (Accident) Investigation OR</td>
</tr>
<tr>
<td>EST 7123: Introduction to Incident (Accident) Investigation (Online)</td>
</tr>
<tr>
<td><strong>Elective Course</strong></td>
</tr>
<tr>
<td>Take any one OSHA, EST, or HAZ course not previously used as a core or elective course.</td>
</tr>
</tbody>
</table>

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**For more information or to register, visit pe.gatech.edu/safety.**
Track Your Certificate Progress

**Advanced Construction Safety and Health**

- **Completion Date**
- **Completed Certificate in** Construction Safety and Health
- **Completed Certificate in** Safety and Health Management
- **Completed Certificate in** Hazardous Materials Management
- **EST 6000**: Managing Environmental Compliance (if completed prior to Nov. 1, 2015) OR
- **OSHA 2055**: Cranes for Construction

**Selected Topics in Occupational Health**

- **Completion Date**
- **Required Courses**
  - **OSHA 521**: OSHA Guide to Industrial Hygiene
  - **OSHA 2225**: Respiratory Protection
  - **OSHA 2255**: Principles of Ergonomics Applied to Work-Related Musculoskeletal and Nerve Disorders
- **Elective Courses (choose three)**
  - **EST 6000**: Managing Environmental Compliance
  - **EST 7008**: Introduction to Noise Evaluation and Control
  - **EST 7009**: Air Sampling Fundamentals for the Workplace
  - **EST 7010**: Process Safety Management of Highly Hazardous and Explosive Chemicals
  - **EST 7012**: Topics in Occupational Health Management
  - **EST 7016**: OSHA Voluntary Protection Programs (VPP): Protect Employees Beyond OSHA Standards and Attain VPP
  - **EST 7128**: Process Safety Management – Mechanical Integrity
  - **EST 7132**: OSHA Silica Standard: Gaining the Skills and Capabilities to Comply

**Advanced Industrial Safety and Health**

- **Completion Date**
- **Completed Certificate in** Industrial Safety and Health
- **Completed Certificate in** Safety and Health Management
- **Completed Certificate in** Hazardous Materials Management
- **EST 6000**: Managing Environmental Compliance

**Advanced Safety and Health Management**

- **Completion Date**
- **Completed Certificate in** Safety and Health Management
- **Completed Certificate in** Selected Topics in Occupational Health
- **DEF 4504**: Introduction to Human Systems Integration
- **EST 7015**: Lean and Safe: Safety-Integrated Process Improvement
- **EST 7124**: Human Performance: Understanding Human Error
- **EST 7125**: Managing Legal Issues in General Industry, Construction, Engineering and Safety
- **EST 7126**: Process Safety Management – Process Hazard Analysis
- **EST 7127**: Modern Theories in Accident Causation
- **Elective Course**
  - Take any one OSHA, EST, or HAZ course not previously used as a core or elective course.

**Requirements for All Certificates:**

- All courses applied to a certificate program must be taken at Georgia Tech.
- Core courses taken for one certificate may not be used as an elective for another certificate.
- Only one free seminar can be used as an elective course.
- Certificates must be completed within six years.

*EST 7006 may not be applied as an elective.
# Track Your Certificate Progress

## Premier Occupational Safety and Health Certificate

The pinnacle achievement in safety and health training, the **Premier Occupational Safety and Health Certificate** requires completion of two of the three Advanced Certificates — **Advanced Construction Safety and Health**, **Advanced Industrial Safety and Health**, and **Advanced Safety and Health Management** — plus one additional elective. Students who achieve this impressive credential often say that as a result, they are able to boost their resumes, advance their careers, and even obtain pay raises!

- Complete two of the three Advanced Certificates
- Take any one OSHA, EST, or HAZ course not previously used as a core or elective course

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## Facilities Maintenance Safety

**Completion Date**

**Required Courses**

**Group A (choose one)**

- OSHA 510: Occupational Safety and Health Standards for Construction Industry
- OSHA 500: Trainer Course in Occupational Safety and Health Standards for Construction Industry
- OSHA 502: Update for Construction Industry Outreach Trainers

**Group B (choose one)**

- OSHA 511: Occupational Safety and Health Standards for General Industry
- OSHA 501: Trainer Course in Occupational Safety and Health Standards for General Industry
- OSHA 503: Update for General Industry Outreach Trainers

**Group C (all required)**

- EST 7005: NFPA 70E: Standard for Electrical Safety in the Workplace
- OSHA 2045: Machinery and Machine Guarding Standards
- OSHA 3095: Electrical Standards
- OSHA 7115: Lockout Tagout
- **Elective Course**
  - Take any one OSHA, EST, or HAZ course not previously used as a core or elective course.

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## Process Safety Management

**Completion Date**

**Group A (all required)**

- EST 7010: Process Safety Management of Highly Hazardous and Explosive Chemicals
- EST 7126: Process Safety Management — Process Hazard Analysis
- EST 7129: Advanced Process Safety Management — PSM II
- EST 7130: Process Safety Management — PSM Auditing
- HAZ 1004: HAZWOPER Site Operations

**Group B (choose one)**

- EST 6000: Managing Environmental Compliance
- EST 7120: Introduction to Combustible Dust Hazards
- EST 7124: Human Performance: Understanding Human Error
- OSHA 2015: Hazardous Materials
- OSHA 7225: Transitioning to Safer Chemicals

**Elective Courses** (choose two courses from remainder of Group B or from list below)

- EST 7001: Advanced Safety Management
- EST 7012: Topics in Occupational Health Management
- EST 7125: Managing Legal Issues in General Industry, Construction, Engineering and Safety
- EST 7131: Process Safety Management — Executive Level Overview
- HAZ 1006: Advanced Hazmat School
- OSHA 2264: Permit-Required Confined Space Entry

*EST 7006 may not be applied as an elective.*

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For more information or to register, visit pe.gatech.edu/safety.
How do I pay for a course?

Accepted payment methods include:

- Credit card or e-check (registrant is the credit card or check holder)
- Third-party credit card holder (company representative is the credit card holder)
- Purchase order (requires document upload of Company PO or SF182)
- Georgia Tech PeopleSoft account (Georgia Tech employees only)
- GI Bill Benefits (visit https://pe.gatech.edu/faq-for-continuing-professional-education-courses/payment-professional-education for more information)
- Private loan (by request only)
- Company check (by request only)
- WIOA voucher (visit pe.gatech.edu/wia-workforce-development for more information)
- International wire payments (by request only)

Visit pe.gatech.edu/faq-for-continuing-professional-education-courses/payment-professional-education for additional details on payment options.

What is the Georgia Tech Professional Education cancellation policy?

Georgia Tech Professional Education reserves the right to substitute instructors, change course dates and locations, or cancel a course due to insufficient enrollment or unforeseen events. If Georgia Tech Professional Education must cancel a course, participants will be notified via email or phone and will be given the option for a full refund or to transfer their registrations to another course. Georgia Tech Professional Education is not responsible for airline refunds or fees, hotel fees, and rental car deposits, or any other expenses incurred.

For withdrawal, transfer, and substitution request information, visit our website at: pe.gatech.edu/withdrawal-substitution-transfer-professional-education.

How do I get to my occupational safety and health course?

Please see page 34 in the catalog for maps and directions for courses in Georgia. For out-of-state locations, please see page 35.
2017-2018 Catalog
Occupational Safety and Health Training

11 Professional Certificates
10 Locations (Plus Online!)
83 Unique Courses
211 Course Dates

Georgia Tech’s Occupational Safety and Health Program acknowledges and thanks our partners in safety:

pe.gatech.edu/safety