An Insight into Career Options in Health, Safety & Environment (HSE) Profession

By
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ASSE Global Region Vice President
22nd September 2016
• Introduction
• HSE Certificate programs / resources available for technicians, engineers & non technical personnel
• Career opportunities for HSE professionals.
• Road map for entry into HSE profession
• Q & A
United States Chapters – 8 Regions

Global Region – 9th Region
Global Region - 11 chapters & 2 sections

- **Sections:**
  - Ecuador
  - Mexico
  - Egypt
  - Middle East
  - Pakistan
  - Philippines
  - UAE

- **Global Chapters:**
  - 1. Andhra Pradesh - Vishakhapatnam
  - 2. India chapter – Chennai
  - 3. Kuwait
  - 4. Nigeria
  - 5. Maharashtra - Pune
  - 6. Telangana - Hyderabad
  - 7. Telangana - Hyderabad
  - 8. Telangana - Hyderabad
  - 9. Telangana - Hyderabad
  - 10. Telangana - Hyderabad
  - 11. Telangana - Hyderabad
• Health, Safety and environmental (HSE) professionals prevent harm to people, property and the environment by applying principles from engineering, education, psychology, physiology, enforcement, hygiene, health, physics and management.

• HSE professionals use appropriate methods and techniques of loss prevention and control and work in all industries worldwide.
What do SH&E Professionals Do?

HSE professionals have many roles and responsibilities and do at least several of the following:

- Hazard recognition
- Inspections/Audits
- Fire protection
- Regulatory compliance
- Health hazard control
- Ergonomics
- Hazardous materials management
- Environmental protection
- Workers’ compensation
- Training
- Accident and incident investigations
- Advising management
- Record keeping and evaluating
- Emergency response
- Managing safety programs
- Product safety
- Security
- Planning, engineering out risk
What is Safety Science?

Safety science is the term used for everything that goes into the prevention of accidents, illnesses, fires, explosions and other events that harm people, property and the environment.

Areas of safety science include:

- Chemistry and Biology
- Physics
- Ergonomics
- Environmental Sciences
- Psychology
- Physiology, biomechanics and medicine
- Engineering, business management, economics, sociology and geology
Where do HSE Professionals Work?

- HSE professionals work in a wide range of sectors, including manufacturing, transportation, mining, government, schools, hospitals etc.

- Examples of companies that employ HSE professionals include K-Companies, Contracting companies and many other companies.
Choosing HSE profession as a Career

• Choosing HSE profession as a career path can be very rewarding. The field is expected to grow by 9% in the next ten years.

• Salaries range from approximately 1500 KD to 5000 KD for highly qualified individuals.

• The personal rewards from knowing that you help people return safely home each day, injury and illness-free will be a wonderful testament to the importance of your job!

• You have to choose a certificate or certification program before you enter into HSE field.
Introduction – What is certification
Introduction

Current academic process for becoming HSE professional in our part of the World

Regular Degree / PG Courses

Regular Diploma Courses

Part Time / Correspondence Diploma Courses

Short term Certificate Training Courses

By Work Experience
Introduction

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HSE Professional

Certification

ASSE
The Certified Safety Professional has been in operation for more than 40 years with over 25,000 CSPs certified during that time.

Currently, over 14,500 people hold the CSP.
BCSP also awards technician, technologist, and supervisory SH&E certifications that provide additional career paths for safety practitioners.

Over 12,000 individuals currently hold a technician, technologist, or supervisory credential from BCSP.
Other recognized courses

- IOSH-UK Courses
- NEBOSH-UK Courses
- ASSE Courses
- National Safety Council Courses
- IIT Chennai on-line courses
- Several correspondence courses from India
ISOH Courses (http://www.iosh.co.uk/)

ISOH website maintenance - 19-23 September 2016
You may experience some disruptions to our service while we are doing some important maintenance work on our website. Thank you for your patience.

Join IOSH today

Founded in 1945, we’re the only Chartered body for health and safety practitioners and the world’s largest health and safety professional membership organisation. Our members are the most trusted and sought after people in the health and safety profession.

Become a member

IOSH is the Chartered body for health and safety professionals

As the world's biggest professional health and safety membership organisation, we’re at the heart of the profession, providing its oversight and support.
NEBOSH Courses (https://www.nebosh.org.uk/)

Home | About Nebosh | Qualifications | Where to study | Shop | FAQs

Globally recognised health, safety and environmental qualifications

Interested in NEBOSH Qualifications?
Ensure you use a NEBOSH Accredited Course Provider.
Check that they are listed on our Where to Study section

NEBOSH Environmental Awareness at Work
The new NEBOSH Environmental Awareness at Work qualification will introduce your workforce to environmental issues and the role they play in improving organisational environmental performance.

This is an ideal first step towards other NEBOSH qualifications such as, the NEBOSH Certificate in Environmental Management for those who need a more extensive and practical understanding of environmental management in the workplace.

NEBOSH Environmental Awareness at Work course book available
NEBOSH has introduced a workbook for the NEBOSH Environmental Awareness at Work qualification to help introduce environmental issues to your workforce. It has been designed by NEBOSH for course providers to support delivery of the course and as a study aid for students.

Read more »

Latest News
NEBOSH to attend Health & Safety North
The National Examination Board in Occupational Safety and Health, NEBOSH, will be attending this year's Health and Safety North Event taking place at Bolton Arena.

• Interested in NEBOSH Qualifications?
• NEBOSH to attend IFSEC SE Asia 2016

More news »

BCSP Board of Certified Safety Professionals
www.bcsp.org
ASSE Courses (www.asse.org)

The American Society of Safety Engineers

Certification Preparation
- Workshops
  - CSP
  - ASP
  - Math Review
  - CHST
  - OHST

Onsite Seminars
- Let ASSE Seminars Come to You

Online Learning
- Upcoming Live Webinars
- On-Demand Learning

ASSE Calendar
- Events Calendar

At-A-Glance Schedule
- Full Seminar Calendar

TODAY'S HIGHLIGHTS

Respiratory Protection Resources From OSHA, NIOSH & ASSE

Respiratory protection continues to challenge employers in many sectors. Historically, OSHA’s Respiratory Protection standard ranks high among the standards that OSHA compliance officers cite most frequently during inspections. OSHA recently released this video to help employers better understand how to select the right respirator for the job. Fit testing is another problematic area, a topic NIOSH addressed in its 2016 NIOSH Perspectives.

BENEFITS WHEN YOU JOIN

Read the Best – Our top ranked member benefit, Professional Safety
Enhance Your Skills – Explore discounted educational opportunities
Connect with Peers - Reach out to 37,000 fellow professionals with ASSE social sites
Access members only resources - Such as free webinars & Body of Knowledge

Login | Join

EDUCATION

Upcoming Events
- Leadership Conference

Virtual Classroom
- Safety 2016 - Full Package of Sessions
- Prestige Objects: The Site: Fall Protection
Free on-line HSE resources

https://ar.alison.com/search/result/?q=safety

Diploma in Workplace Safety and Health Course Outline | ALISON
Upon completion of this course you will be able to identify the purpose of a behaviour-based safety programme and distinguish between the roles and responsibilities of all employees.
https://alison.com/courses/Diploma-in-Workplace-Safety.../content

Free Diploma in Workplace Safety and Health | ALISON
Workplace safety and health policies are key elements of any modern business or organisation. They can help ensure employee wellbeing as well as foster a healthy and safe work environment.

Online Health and Safety Training - Certifications | ALISON
ALISON provides online safety training and health and safety certification courses online. Learn about global initiatives and guidelines for better health.
https://alison.com/learn/health-and-safety

Free online Health, Safety & Compliance courses | ALISON | ALISON
ALISON's Health & Safety & Compliance course category includes interactive learning courses covering key areas of health and safety, and compliance in the workplace.
https://alison.com/subjects/3/Health-Safety-Compliance

Free Safety and Health in Construction Online Course | ALISON
This free online course touches on most aspects of health and safety in construction. It covers construction safety and health management, risk assessment.
https://alison.com/courses/HSA-5

Online Food Handling & Safety Certificate - Diploma Course Outline ...
Food safety is of paramount importance to anyone that handles food. Earn a food safety certificate online through this free diploma in food safety course.
Where SH&E Professionals Work?
SH&E professionals work in a wide range of sectors, including manufacturing, transportation, mining, government, schools and hospitals. Examples of companies that employ SH&E professionals include: Disney, NASA, Hasbro, Kraft, GM, CNA, AON, Madison Square Garden, Nike, Toyota, and numerous small companies.

It is common for companies to employ SH&E professionals at particular worksites. In recent years, SH&E professionals are working more in diverse and non-traditional worksites as many job opportunities expand to government, construction, transportation, service industries and consulting practices, among others. SH&E professionals have opportunities to become corporate safety managers/directors/vice presidents with responsibilities for leading and managing the safety functions at a corporation or organization.

Based on a 2008 Board of Certified Safety Professionals (BCSP) salary study, SH&E professionals work in:
> 38.3% in Manufacturing
> 18.8% in Insurance and Finance
> 10% in Professional, Scientific and Tech Services
> 8.6% in Public Administration and Government
> 8.4% in Construction
> 5.2% in Mining
> 5.1% in Utilities

Specialty Areas:
SH&E professionals work in many industries, job settings and specialties. Here are examples of some specialty areas:
> Occupational Safety & Health
> Industrial Hygiene
> Environmental Safety
> Fire Protection Engineering
> Ergonomics
> System Safety
> Risk Management
> Loss Control, Loss Prevention and Risk Control
> Chemical Process Safety
> Construction Safety
> Institutional Safety Management
> Transportation Safety
> Mining Safety
> Safety Research and Risk Assessment
> Workers’ Compensation
> Radiation Safety

For More Information Go To:
> The American Society of Safety Engineers (ASSE):
  www.asse.org
> ASSE’s NexSteps career site:
  www.nexsteps.org
> ASSE Foundation’s Career Guide to the Safety Profession:
  www.asse.org/foundation/publications/careerguide.php
> ASSE’s North American Occupational Safety and Health (NAOSH) Week and Occupational Safety and Health Professional Day site:
  www.asse.org/naosh
> The Board of Certified Safety Professionals (BCSP):
  www.bcsp.org
> The Accreditation Board for Engineering and Technology (ABET):
  www.abet.org
  www.bls.gov/oco/ocos017.html
What is the SH&E Profession?
Safety, health and environmental (SH&E) professionals prevent harm to people, property and the environment by applying principles from engineering, education, psychology, physiology, enforcement, hygiene, health, physics and management. The SH&E professional uses appropriate methods and techniques of loss prevention and control and works in all industries worldwide.

What is Safety Science?
Safety science is a 21st century term for everything that goes into the prevention of incidents, illnesses, fires, explosions and other events, which harm people, property and the environment.

The following are knowledge areas of safety science:
> Chemistry and biology – provide knowledge and effects of hazardous substances
> Physics – tells people about energy that must be controlled to ensure safe use
> Ergonomics – concerned with designing work according to human needs and performance limits, engineering out the risk
> Environmental sciences – provide knowledge about pollution sources and their control, waste disposal, impact studies, environmental alteration and ecology
> Psychology – helps people understand human behaviors that can lead to or avoid incidents
> Physiology, biomechanics and medicine – help people understand the mechanics of injury and illness and how to prevent them
> Engineering, business management, economics, sociology and geology – give people the knowledge to help improve safety in our society and contribute to productivity, quality and profit and incorporate safety management into overall business strategy

What do SH&E Professionals Do?
SH&E professionals have many roles and responsibilities and do at least several of the following:
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> Advising management
> Record keeping and evaluating
> Emergency response
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> Product safety
> Security
> Planning, engineering out risk

Salaries and Professional Outlook:
Salaries range from about $30,000 for safety inspectors to $150,000+ for highly qualified individuals in demanding positions.

According to Safety+Health’s 2005 salary survey, 78% of survey respondents earn more than $50,000 per year. Of those with 5-10 years of safety experience, 48% made between $50,000 and $80,000 per year. 36% of SH&E professionals with more than 20 years of experience are making more than $100,000 per year. The U.S. Department of Labor (DOL) noted the median annual earnings of occupational safety and health specialists and technicians were $54,920 in May 2006.

According to the DOL 2008-09 Occupational Outlook Handbook, “Employment of occupational health and safety specialists and technicians is expected to increase 9% during the 2006-16 decade.”

How to Become a SH&E Professional?
High School Preparation:
> Learn about ASSE Chapters and Student Sections near you, attend meetings and talk to SH&E professionals about their careers.
> As you learn about safety problems, incidents or disasters in the news, consider how these events could have been prevented.
> Do a science project on job safety or health, consumer product safety, traffic safety, fire protection, etc.
> Check out ASSE’s NexSteps at www.nexteps.org for SH&E job openings, a good way to view the qualifications employers are looking for.
> Consider SH&E degree programs from accredited colleges and universities. For more information on higher education accreditation visit the ASSE listing of colleges that offer degrees in safety and related specialties at www.asse.org, the Council for Higher Education Accreditation at www.chea.org, the U.S. Department of Education at www.ope.ed.gov/accreditation, or the Accreditation Board for Engineering and Technology (ABET) at www.abet.org.

Community and Technical Colleges, Universities and Graduate Study:
Many community and junior colleges offer an associate degree in safety or a related field. A bachelor's degree (usually four years) in SH&E provides a solid foundation for work as a SH&E professional. About 40% of today's safety professionals have advanced degrees, some graduated with a bachelor's degree in a non-safety field.

Continuing Education and Certification:
Because safety professionals have a direct impact on public safety and health, many organizations encourage SH&E professionals to achieve credentials in addition to their educational degrees. These credentials might include licenses, registration and professional certification. The ASSE Foundation offers scholarships for continuing education and new students.

http://www.asse.org/assets/1/7/ASSE_she_career_broch_FNL2.pdf
Road map to HSE Career / profession

1. Review and identify right HSE programs that matches your career path

2. Find out your eligibility for the chosen certificate / certification

3. Evaluate application requirements and complete the application process

4. Preparation, join in the study Group / organization, obtain a mentor, join the local professional body etc

5. Do the self-assessment of your strength to appear for the exam and gain the confidence

6. Sit for the exam and achieve your Certificate & continue learning...
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ASSE Kuwait Chapter
www.assekuwait.org
Thank you all !!!!!