



WHO Global Network of CCs in Occupational Health
www.who.int/occupational_health

EHE-SRU joined the ranks of WHO Collaborating Centers in 2007. Being one of only 3 such centers in the South East Asia region, the center is a leading contributor to research and training in recognition, evaluation and management of environmental and occupational health risks.

In 2010, The Indian Council for Medical Research created the first Center for Advanced Research in Environmental Health at EHE-SRU with a specific focus on Air Pollution. EHE-SRU also serves as an ILO-CIS center, an accredited training center for the Associate Fellowship in Industrial Health (AFIH) for DGFASLI, Govt. of India, the National Board of Occupational Safety and Health (NEBOSH), UK, and as an Air Pollution Related Disease Diagnostic Center for GAIL, India.

With collaborators in over 100 national and international organizations, SRU's mission in this arena strives to drive the scientific evidence for effective and efficient public health policies.



SRI RAMACHANDRA INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(DEEMED TO BE UNIVERSITY)

(Declared under section 3 of the UGC Act, 1956)

**Accredited by NAAC with 'A' Grade
(CGPA 3.62 on a 4 point scale)**

MASTER OF INDUSTRIAL HYGIENE & SAFETY

Part-time (3 Years)

2019-2020

DEPARTMENT OF ENVIRONMENTAL HEALTH ENGINEERING

*A World Health Organization Collaborating Center
for
Occupational & Environmental Health
and
SRU-ICMR Center for Advanced Research on
Air Quality, Climate and Health*



OUR HISTORY

The Department of Environmental Health Engineering, Sri Ramachandra University (EHE-SRU) was set up, as a part of the Basic Science Research Wing of the university, in 1998 with the aid of financial assistance provided by the United Nations Industrial Development Organization. The department originally set up to provide occupational safety and industrial hygiene monitoring services to the leather/tanning industry in Tamil Nadu, has since then expanded to include a variety of R&D and training activities, that cover a broad spectrum of environmental health concerns. The department now functions as a **WHO Collaborating Centre for Occupational & Environmental Health** and **SRU-ICMR center for Advanced Research in Air Quality, Climate and Health**. Over the last decade it has established itself as a pioneering centre for environmental and occupational health research and training. Multi-disciplinary faculty expertise, involvement in several national and international extra-mural research projects, multiple inter-institutional linkages, and administration of post-graduate and doctoral level training programs and collaborations with a network of nearly 150 industries within and outside India for on-site projects represent some of the unusual strengths of this department. Using a combination of basic science and applied population research, the department has been involved in several local, national and global efforts in thrust areas of environmental and occupational health identified by the **Government of India and the World Health Organization**.

M.Sc (Industrial Hygiene & Safety)

Introduction and objectives

The M.Sc. (Industrial Hygiene and Safety) course has been designed in response to the growing awareness among industries for the need to employ qualified professionals to assess and manage work-related health risks. Being a part-time programme, the course will allow new and experienced professionals to acquire and expand their knowledge of industrial hygiene and safety. Students will be given comprehensive training in the anticipation, recognition, evaluation, and control of chemical, physical, biological, psychosocial and ergonomic stressors in the workplace environment that are responsible for causing injury, disease, or discomfort to workers.

The course curriculum has been developed under the technical guidance of advisory committee members drawn from the Directorate General Factory Advisory Services (The Regional Labour Institute), Govt. Of India; Directorate of Industrial Safety and Health, Govt. of Tamil Nadu; Tamil Nadu Pollution Control Board; The Central Leather Research Institute; Anna University; The National Safety Council; The Safety Engineers Association and Industry Representatives. An elaborate network of EHE-SRU's collaborators from academic institutions worldwide has also contributed to the design of the course modules.

These components have been supported extensively by the Indo-German GTZ-CIM programme and the ITREOH Program of Fogarty International Centre, NIH, USA.

Course Structure

The course is offered over 6 semesters in three years on a **part-time modality** with classes conducted over weekends and holidays at Sri Ramachandra University. The course work will include class room sessions, field work, Industry visits, practical sessions, assignments and projects.

The course will normally commence on the 1st of July every year.

Course Outline

- Occupational and Environmental Health
- Physiology and Industrial Toxicology
- Legislations: Environment, Health and Safety
- Professional Skills Development
- Industrial safety
- Industrial Hygiene (Physical, Chemical, Biological hazards, Ergonomics & Psychosocial)
- Biostatistics for Occupational Safety and Health
- Epidemiology for Occupational Safety and Health
- Safety Engineering
- Advanced Industrial safety
- Ergonomics
- Occupational Safety and Health Management
- Electives (from Health, Hygiene, Safety and Environment disciplines)
- Dissertation

Course Facilities

EHE-SRU is equipped with a state of the art industrial hygiene, safety and occupational health laboratory with the full range of field sampling and analytical instrumentation. EHE-faculties are drawn from the disciplines of toxicology, industrial hygiene, industrial safety, occupational medicine, environmental health, epidemiology and biostatistics. A network of nearly 80 industries supports the academic training.

Course Eligibility

Candidates for admission to the M.Sc. (Industrial Hygiene and Safety) Course shall be required to possess any one of the following qualifications: B.E. / B.Tech / B.Sc. (Physics or Chemistry or Mathematics as Major or Allied subject) degrees of any institution/university recognized by the AICTE/UGC.

Course Fees and Admission:

The tuition fee per academic year is Rs. 75,000/- for the General/Foreign/NRI Category. Students are admitted on the basis of marks obtained in the qualifying examination and a personal interview.

Career Options

Graduates can expect positions as Faculty members/ Safety professionals/ Industrial Hygienists/ Occupational Health Specialists and/or Research positions in Academic Institutions, Health care sectors, Industries, Labour organizations, State & Central regulatory bodies, Consultancies, Research Organizations, International organizations and NGOs.

Our Alumni also have been placed in key positions across the globe in various MNCs and international organizations.

Contact Information

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