

# B. Sc. (Hons) [Environmental Health Sciences] Degree Program (UNDER CHOICE BASED CREDIT SYSTEM, 2018-2019)



**Sri Ramachandra**  
**Medical College & Research Institute**  
(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)



World Health Organization  
Collaborating Centre for  
Occupational & Environmental Health

**DEPARTMENT OF ENVIRONMENTAL HEALTH ENGINEERING**  
Faculty of Public Health



SRU-ICMR Centre for  
Advanced Research on Air Quality, Climate and  
Health

## Introduction:

Environmental health sciences program focuses on human health that is linked to the interaction between living organism and environmental conditions. This field involves an in depth study of how the environmental changes impacts human health and natural resources. The exponential growth in human development ultimately ends up with exploitations of natural resources. Subsequently, this leads to severe degradation of the environment, endanger of life of plants and animals, changes in landscape and climate, depletion of essential resources. Environmental health sciences are linked with biological, non biological, social and technological features integrating multiple disciplines. There is a strong need for trained human resources in these core areas. Graduates of the course can work to preserve nature and improve the quality of environment fostering both the people and environment for sustainable growth. This program lays strong foundation to the students for preparing themselves as leaders in environmental health.

## Eligibility for Admission:

A pass in the HSC/CBSE/ISC or equivalent examination with one of the following subject combinations: i) Physics, Chemistry, Biology and Mathematics (or) ii) Physics, Chemistry, Botany and Zoology.

## Course Outline :

Theory and practical courses covering air quality, water quality, food quality, ecology, environmental health and chemistry, basic physics, microbiology, biochemistry, public health, atmospheric chemistry, interaction of human physiology and body systems with environmental exposures, toxicology and diseases, social and human behaviour, environmental management systems, legislation and standards pertaining to environmental health. In the final year students will undergo extensive laboratory/field rotations at Governmental and academic research laboratories to gain practical training on water quality, air quality and food quality testing procedures, essentials of maintaining toxicity testing laboratories, environmental conservation and disease surveillance methodologies. Students will also complete a dissertation on a seminal topic under the guidance of a faculty supervisor.

## Commencement and Duration:

The duration of B.Sc. (Hons) Environmental Health Sciences program shall be for four years ( 3 academic years comprising six semesters and 1 year of exclusive training in various laboratories). The program will commence ordinarily from 2<sup>nd</sup> week of June of the academic year.

## Course Fee:

The tuition fee per academic year is Rs. 100,000/-

## Further Information :

About the department and Application form : [www.srmc-ehe.org.in](http://www.srmc-ehe.org.in)

About the University: [www.sriramachandra.edu.in](http://www.sriramachandra.edu.in)

## Important Dates:

Application form issued from: 05/04/2018 (Thursday)

Date and time of interview: 11/06/2018 and 12/06/2018; From 10:00 am

## About the Department:

- WHO Collaborating Centers from 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.
- First Center created by ICMR for Advanced Research on Air Quality, Climate and Health.
- 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.

## Career Opportunities

➤ Higher Studies-specialize in environmental sciences, public health, molecular biology, biotechnology, bioinformatics, human genetics and other life science programs

➤ Upcoming field with plenty of opportunities in government and private organizations in the area of Water, Air and Food quality testing, Disease surveillance, Environmental management, Environmental conservation, Environmental risk assessment and Solid waste management.

Department of Environmental Health Engineering,  
Faculty of Public Health  
Sri Ramachandra  
Medical College and Research Institute  
(Deemed to Be University),  
Porur, Chennai – 600 116, Tamil Nadu, India

Tel: +91-44-4592 8547 Fax: +91-44-2476 7008

E-mail: [hod.ehe@sriramachandra.edu.in](mailto:hod.ehe@sriramachandra.edu.in); [ehesru@ehe.org.in](mailto:ehesru@ehe.org.in)