

Senior Environment, Health and Safety Officer: Radiation Protection

Senior EHS Officer to serve in a leadership role and provide expert advice to support Institute academic and business objectives with due consideration of occupational health and safety laws, federal and state regulations, and good practices. Will assist the RPP Director and Associate Directors in the management of the specific EHS Program. Along with the duties and responsibilities of an EHS Officer, the Senior EHS Officer position will function as an integral member of a multi-disciplinary EHS office and provide advice on research and operations, building projects and experiments relative to safety concerns.

- Expected to assume and maintain a significant management role in the EHS Program and a leadership role in the control of hazards in the workplace.
- Employ client service-team orientation, interface with clients and other professionals on areas of concern and find solutions by including offering various viable options that best serve the Institute's objectives with due consideration of EHS laws, regulations and generally accepted good practices. Assist clients in finding solutions to problems in a positive manner that demonstrates sensitivity to their primary objectives, good judgment in balancing EHS and other objectives, client schedule and other constraints.
- Support and participate as a leader in the development of an Institute-wide EHS Management System that integrates compliance, sustainability, and education.
- For assigned programs under EHS roles and responsibilities, make suggestions for improvement in program systems, and anticipate funding or staffing changes by considering MIT objectives as well as EHS regulations and generally accepted good practices, as appropriate.
- Review various consultants' reports and work with them to ensure the Institute's overall needs are achieved with due consideration of occupational health and other EHS regulations and generally accepted good safety practices.
- Encourage teamwork, collaboration, and focus on practical solutions and problem solving from the perspective of the client and Institute.
- Participate in on-call rotational system providing routine and off-hours support when necessary to resolve emergency EHS issues and serve as specialist to emergency response groups.

- Assist the Director in supervising the development and training of EHS Officers, Assistant Officers, and Technologists in EHS Programs. Assist in the development and training of other EHS Office staff to improve their professional qualifications as EHS professionals and their knowledge of EHS regulations and good practices, as well as their ability to weigh and balance interests with their primary project and overall Institute objectives.
- Continually improve one's professional and management qualifications and knowledge of EHS and good practices.
- Will serve as the head of the EHS Program in the absence of the Director.
- Will serve as a mentor to less experienced EHS Program staff including Officers, Assistant Officers, technologists, and technicians.
- Participate in or lead various committees and study groups when EHS expertise may be warranted. Will participate in various Institute Faculty Compliance committees.
- Serve in a leadership role to develop the necessary expertise and good judgement in the EHS Programs for all areas within the Program's primary areas of responsibility and in general EHS issues.
- Develops and implements general EHS programs for the Institute.
- Develops and conducts EHS training programs including content for web or live classroom-style training environments.
- Conducts EHS evaluations providing feedback to DLC's on outstanding issues. Performs special investigations and projects to assess various safety and health hazards and to evaluate facility safety.
- Keeps abreast of pertinent regulations and developments in EHS; anticipates and evaluates their impact on the Institute: and communicates requirements to the DLC's. Interacts with representatives of regulatory agencies during site visits and inspections and communicates requirements to DLC's.
- Serves as EHS Lead Contact and Team Member on assigned EHSMS DLC Teams.
- Leads or serves as member of an EHS Service Team.
- Reviews and analyzes EHS aspects of planned and ongoing experiments, and advice researchers and students on improved safety conditions and devices.

- Advise senior Institute officers, department heads, faculty, staff, and students on EHS matters.
- Expected to make presentations at conferences and publish articles in area of expertise.
- Perform other duties as directed by the RPP Director.

In addition to the above, the following is a list of current duties and responsibilities that meet the requirements of the senior officer position:

Radiation Protection Program roles and responsibilities:

- Management of project registrations and all associated components of the MIT Laser Safety program for safe use of Class 3b and Class 4 lasers in assigned DLCIs.
- Management of all aspects of the MIT Radioactive Materials Authorization program for safe use of licensed materials in assigned DLCIs.
- Management of project registrations and all associated components of the MIT Irradiator Safety program for safe and secure use of these facilities.
- Development of the programs and procedures for a proposed new radiation production facility.
- Assist in the delivery of a “hands-on” laser safety practicum to be taken by all laser users as part of their initial laser safety training.
- Performance of the experimental reviews, risk assessments, training, monitoring, waste management, and overall radiation safety controls for all DLCIs assigned.
- Instructor in the NSE course 22.015: “Radiation & Life”

Technical Competencies:

This is a senior level position with responsibilities both within and outside the MIT EHS Office. A minimum of a bachelor’s degree in health physics or an EHS related discipline with experience in radiation protection programs is required. This position requires expertise in environment, health and safety with emphasis on EHS programs with expert knowledge of regulations depending on the discipline-specific to federal, state, local and consensus standards for the protection of property and life and occupational health and safety including NRC, CDC and NIH Guidelines, OSHA, EPA, DOT, Massachusetts DPH and DEP, Massachusetts Fire Prevention Regulations, Massachusetts Building Code, NFPA Codes, OSHA Regulations, NIH and CDC Guidelines, Federal Select Agent and Toxin regulations, and Cambridge Municipal Code, as well as specific EHS expertise.

A minimum of 5 years of relevant experience in environment, health and safety programs and recognition, evaluation and control of hazardous materials and conditions, and physical agents is needed. Evidence of leadership, ability to develop and

implement well integrated EHS programs within the workplace is needed. Excellent oral and written communication skills and basic computer and database skills are essential. Evidence of outside recognition of expertise, for example, publications in peer-reviewed journals, or invitations to participate in conferences or serve on federal or state advisory committees.

Behavioral Competencies:

Ability to manage people and projects. Ability to direct officers, assistant officers, technologists, and technicians. Ability to collaborate with people and manage multiple projects and to appropriately prioritize heavy workload and client needs. Ability to influence and inspire staff, colleagues, and superiors. Service and team orientation. Active listening skills, bias for action, and ability to communicate for results, think conceptually and build teams. Tactical and strategic thinking and problem-solving ability. Organizational and cultural awareness, diplomacy, and judgment skills. Ability to appreciate and work to achieve the “big picture” while also being detail oriented. Organizational skills and ability to follow through and achieve objectives and tasks in a timely manner.