

RISK ASSESSMENT CERTIFICATE

The aim of this certificate program is to provide concentrated graduate education in a well-defined area of environmental health. By means of highly focused course work, the objective of the program is to impart proficiency in the risk sciences for individuals who desire positions involving risk assessment strategies or already have such positions and are seeking to strengthen their professional competency. These include the following groups:

- Public and private sector professionals who evaluate scientific data in the context of risk assessment and management,
- health and safety professionals, including industrial hygienists and Environmental and occupational health professionals who need to acquire or strengthen training in the risk sciences,
- Environmental scientists, engineers, policy analysts, and health and safety professionals,
- Occupational physicians.

The certificate program includes not only an updated concentration in Risk Assessment fundamentals, but also an expanded selection of electives that includes new choices reflecting fast moving environment-related knowledge in molecular toxicology and bio-terrorism.

Competencies

A student completing the Risk Assessment Certificate Program in the Department of Environmental and Occupational Health will be able to:

- Understand the processes and pathways of environmental and occupational exposures and how they reach human populations,
- Comprehend the impact of the environment on human health and how it is manifested at the organic level and at the cellular level,
- Integrate information from the above into the process of risk assessment to determine science-based health interactions between exposure and disease

Academic Requirements

Graduate RACP course requirements consist of at least 15 credits, with 11 credits in core courses and at least four credits of electives.

The choice of electives allows the extension of the student’s risk assessment knowledge to his/her area of interest.

Required courses (11 credits)			<u>Sample Electives (choose at least 4 credits)</u>		
EOH 2175	Principles of Toxicology	3	EOH 2180	Introduction to Risk Sciences	1
EOH 2181	Risk Science Practicum	2	BCHS 2572	Risk Communication	3
EOH 2122	Transport & Fate of Environmental Agents	3	EPID 2110	Principles of Epidemiology	3
EOH 2504	Principles of Environmental Exposure	3	EOH 2309	Bioorganic Toxicology	3

Admission

Requirements

Participants must have a master’s degree or be enrolled concurrently in a master’s level program while obtaining this certificate. For details on the admissions process, please visit www.publichealth.pitt.edu/home/prospective-students/admissions.

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This program is managed by the Department of Environmental and Occupational Health