MASTER OF SCIENCE IN TOXICOLOGY, PLAN A

Toxicology is the study of the effects of chemicals and other potentially harmful agents on biological systems. The field draws upon the sciences of biology, chemistry, biochemistry, physiology, cell and molecular biology, neuroscience, and pathology. The core curriculum provides a comprehensive background in toxicology that is enhanced by elective offerings in the department and the many related basic and health science courses available at CSU.

The M.S. in Toxicology, Plan A prepares students for research careers in industry, government and academia. Graduates also find professional employment in public and private sector positions such as environmental protection, risk assessment or product safety evaluation. This program provides an excellent basis for students seeking admission to a doctoral degree program or a related field.

Requirements

Effective Fall 2017

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ERHS 502</td>
<td>Fundamentals of Toxicology</td>
<td>3</td>
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<tr>
<td>ERHS 601</td>
<td>Metabolism and Disposition of Toxic Agents</td>
<td>3</td>
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<tr>
<td>ERHS 602</td>
<td>Toxicological Mechanisms</td>
<td>3</td>
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<tr>
<td>ERHS 603</td>
<td>Toxicological Pathology</td>
<td>3</td>
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<tr>
<td>ERHS 693C</td>
<td>Research Seminar: Toxicology</td>
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Toxicology Courses

Select at least 9 credits from the following: 9

ERHS 448 Environmental Contaminants: Exposure and Fate 1
ERHS 546 Environmental Exposure Assessment
ERHS 547 Equipment and Instrumentation
ERHS 549 Environmental Health Risk Assessment
ERHS 565 Chemical and Biological Warfare Agents
ERHS 566 Forensic Toxicology
ERHS 567 Cell and Molecular Toxicology Techniques
ERHS 568 Pharmaceutical and Regulatory Toxicology
ERHS 569 Immunotoxicology
ERHS 733 Environmental Carcinogenesis

Other Requirements

Electives 1,2,3 3-5

Thesis

ERHS 699 Thesis 3-5

Program Total Credits: 30

A minimum of 30 credits are required to complete this program.

1 A maximum of 6 credits below 500-level may be counted toward the program total.
2 Eligible courses determined by advisor and graduate committee.
3 No more than a total of 6 credits of Internship, Independent Study, Group Study, and Research courses may be included in the program.