## Toxicology (PhD)

### Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
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</thead>
<tbody>
<tr>
<td>TOX 701</td>
<td>Fundamentals of Toxicology</td>
<td>33</td>
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<tr>
<td>TOX 710</td>
<td>Molecular and Biochemical Toxicology</td>
<td></td>
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<tr>
<td>TOX 715</td>
<td>Environmental Toxicology</td>
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<tr>
<td>TOX 801</td>
<td>Toxicology Seminar (enroll every semester)</td>
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<tr>
<td>TOX 820</td>
<td>Special Problems In Toxicology (Lab Rotations)</td>
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<tr>
<td>TOX 820</td>
<td>Special Problems In Toxicology (Responsible Conduct of Research)</td>
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<tr>
<td>ST 511</td>
<td>Statistical Methods For Researchers I (or equivalent)</td>
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<tr>
<td>GN 701</td>
<td>Molecular Genetics</td>
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<tr>
<td>CBS 770</td>
<td>Cell Biology</td>
<td></td>
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<tr>
<td>TOX 895</td>
<td>Doctoral Dissertation Research</td>
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</table>

**Core Courses**

**Elective Courses**

See “Elective Courses” listed below

Total Hours: 72

### Elective Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
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<tbody>
<tr>
<td>TOX 704</td>
<td>Chemical Risk Assessment</td>
<td>39</td>
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<tr>
<td>CBS 771</td>
<td>Cancer Biology</td>
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<td>BIO 588</td>
<td>Neurobiology</td>
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<tr>
<td>BIT 510</td>
<td>Core Technologies in Molecular and Cellular Biology</td>
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</tbody>
</table>

*Other courses must be approved in conjunction with the academic committee.

### Faculty

**Full Professors**

Ronald E. Baynes
James C. Bonner
Matthew Breen
David Buchwalter
William Gregory Cope
Jane A. Hoppin
Cathrine Hoyo
Michael Hyman
Detlef R. Knappe
Seth William Kullman
Jerry "Mac" Law
Gerald Andre LeBlanc
Carolyn Jane Mattingly
Elizabeth Guthrie Nichols
Jun Ninomiya-Tsuji
Heather Patisaul
Emilie Francesca Rissman
Richard M. Roe
Robert Charles Smart
Yoshiaki Tsuji
Fred Andrew Wright
Jeffrey A. Yoder

Michael Anthony Cowley
Natalia Duque-Wilckens
Denis Fourches
Jonathan Hall
Kurt Marsden
Maria L. Rodgers

Practice/Research/Teaching Professors
David Allen Skaar
Elizabeth E. A. Thompson

Adjunct Faculty
John S. House

Lecturer
Suzanne Fenton

Associate Professors
David Lawrence Aylor
Scott M. Belcher
Shobhan Gaddameedhi
Nanette M. Nascone-Yoder
Antonio Planchart
David Michael Reif
Hong Wang
Yihui Zhou

Assistant Professors
Michael S. Bereman
Eric Robert Brooks