

Toxicology (PhD)

Degree Requirements

Code	Title	Hours
Core Courses		36
TOX 701	Principles and Mechanisms of Molecular and Biochemical Toxicology, I	
TOX 702	Principles and Mechanisms of Molecular and Biochemical Toxicology, II	
TOX 715	Environmental Toxicology	
TOX 801	Toxicology Seminar (Students must enroll in this course every semester. A minimum of 6 credits is required.)	
TOX 820	Special Problems In Toxicology (Lab Rotations)	
TOX 861	Responsible Conduct in Research	
TOX 862	Research Communications (Pending ABGS Approval)	
TOX 863	Grant Writing (Pending ABGS Approval)	
TOX 864	Methods for Enhancing Reproducibility (Pending ABGS Approval)	
ST 511	Statistical Methods For Researchers I (or equivalent)	
GN 701	Molecular Genetics	
CBS 770	Cell Biology	
TOX 895	Doctoral Dissertation Research (minimum of 6 credits)	
DSA 595	Graduate Special Topics in Data Science	
Elective Courses ^{1,2}		36
See "Elective Courses" listed below		
Total Hours		72

Elective Courses

Code	Title	Hours
"Elective Courses" are approved in conjunction with the academic committee to meet 72 total hours ^{1,2}		36
AEC 592	Special Topics in Applied Ecology	
BEC 575	Global Regulatory Affairs for Medical Products	
BIO 588	Neurobiology	
BIO 592	Topical Problems (Computational Environmental Sciences and Toxicology)	
BIT 510	Core Technologies in Molecular and Cellular Biology	
BIT 567	PCR and DNA Fingerprinting	
BIT 595	Special Topics	
BCH 553	Biochemistry of Gene Expression	
BCH 701	Macromolecular Structure	
BCH 703	Macromolecular Synthesis and Regulation	
BCH 705	Molecular Biology Of the Cell	
BCH 761	Advanced Molecular Biology Of the Cell	
CBS 754	Epidemiology II	
CBS 762	Principles of Pharmacology	
CBS 770	Cell Biology	

CBS 795 Special Topics in Comparative Biomedical Sciences

or CBS 595 Special Topics

CH 572	Proteomics
CS 518	Introduction to Regulatory Science in Agriculture
CS 528	Advanced Regulatory Science in Agriculture
CS 725	Pesticide Chemistry
CS 727	Pesticide Behavior and Fate In the Environment
EA 501	Environmental Stressors
EA 502	Environmental Risk Assessment
EA 503	Environmental Exposure Assessment
EA 504	Environmental Monitoring and Analysis
EA 505	Environmental Assessment Law & Policy
GN 701	Molecular Genetics
GN 702	Cellular and Developmental Genetics
GN 703	Population and Quantitative Genetics
GN 735	Functional Genomics
GN 820	Special Problems
HS 707	Environmental Stress Physiology
MB 751	Immunology
MEA 540	Principles of Physical Oceanography
PA 507	The Public Policy Process
PA 552	Science and Technology Policy
PA 763	Public Policy Process
PHY 503	General Physiology I
PHY 504	General Physiology II
PHY 524	Comparative Endocrinology
ST 512	Statistical Methods For Researchers II
TOX 704	Chemical Risk Assessment
TOX 801	Toxicology Seminar
TOX 893	Doctoral Supervised Research
TOX 895	Doctoral Dissertation Research

¹ Other elective courses must be approved in conjunction with the academic committee.

² At least 6 credit hours of Electives must be non-research/seminar courses.

Faculty

Professors

Ronald E. Baynes

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Associate Professors

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Assistant Professors

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Nadine Kotlarz

Maria L. Rodgers

Practice/Research/Teaching Professors

David Allen Skaar

Elizabeth E. A. Thompson

Adjunct Professors

Heather Patisaul

David Reif

Adjunct Associate Professor

John S. House

Emeritus Faculty

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