

Toxicology (PhD)

Degree Requirements

Code	Title	Hours	Counts towards
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 (Pending ABGS Approval)		
TOX 715	Environmental Toxicology		
TOX 801	Toxicology Seminar (minimum of 6 credits, course is taken every semester)		
TOX 820	Special Problems In Toxicology (Lab Rotations)		
TOX 861	Responsible Conduct in Research (Pending ABGS Approval)		
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)		

DSC 595 Graduate Special Topics in Data Science (minimum of one credit)

Elective Courses	36
See "Elective Courses" listed below	
Total Hours	72

Elective Courses

Code	Title	Hours	Counts towards
"Elective Courses" are approved in conjunction with the academic committee to meet 72 total hours			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

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

Faculty

Professors

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