

**Master of Science in Toxicology
New Curriculum Proposal
Fall 2009**

MS Core Courses: 9 hours

PHRM 6910	Intro Tox	3 hours
BCMB 6010	Biochemistry & Molecular Biology I	3 hours
BIOS 7010	Intro to Biostatistics I	3 hours
Or STAT 6210	Statistical Methods I	3 hours

Toxicology Electives: 6 hours

• EcoToxicology	in CAPA (Forestry)	
• Quantitative EcoToxicology	EHSC 8630/L	4 hours
• Aquatic Toxicology	EHSC 8610	3 hours
• Genome Technologies	EHSC 8450	3 hours
• Environmental Risk Assessment & Comm	EHSC 8510/L	3 hours
• Chemical and Microbial Risk Assessment	EHSC 8110	3 hours
• Microbial Quantitative Risk Assessment	ESHG 8540/L	4 hours
• Predictive Tox Using Mathematical Models	EHSC 8220	4 hours
• Biomarkers	EHSC 8250	3 hours
• Genome Technologies	EHSC 8450	3 hours
• Pharmacokinetics (PK)	PHRM 8260	4 hours
• Contemporary Concepts in PK	PHRM 8270	3 hours
• Mammalian Cell Physiology	VPHY 8010	3 hours
• Comparative Mammalian Physiology	VPHY 6090/10	3-6 hours
• Developmental & Reproductive Tox	EHSC 8550	3 hours
• Organ Systems	PHRM 8940	4 hours
• Occupational & Env Diseases	EHSC 8400	3 hours
• Genome Technologies	EHSC 8450	3 hours
• Cell Pathology	VPAT 8020	4 hours
• Cancer Etiology and Prevention	EHSC 8210	3 hours

General Electives: 9 hours

These elective courses should be chosen in conjunction with the faculty mentor and approved by the Advisory Committee of the student.

Research/Writing: 6 hours

Departmental Prefix 7000	Thesis Research	3 hours
Departmental Prefix 7300	Thesis Writing	3 hours

Master's Degrees. All Graduate School requirements for a master's degree must fall within a six-year time limit beginning with the first registration for graduate courses listed on the program of study and ending with the final semester of the sixth year. The program of study for Master of Science degree must contain a minimum of 30 hours of graduate course work. These 30 hours must include at least 21 hours of graduate course work exclusive of 7000 (research) and 7300 (thesis writing). Twelve of these 21 hours must be courses that are restricted to graduate students. The program of study must include a minimum of 3 hours of 7300 (thesis writing). Any courses below the 8000 level which are open only to graduate students must be marked with an "*" The remaining six hours may be 7000 (research), 7300 (thesis writing), or any other appropriate graduate coursework. Courses not allowed on a program of study are 7005 (Graduate Seminar), GRSC 7770, GRSC 9270, and ELAN 7768/7769.