

# Regulatory Science in Agriculture (Certificate)

Regulatory Science is a field critical to the advancement of responsible technologies for agriculture from concept, through research and development, to commercialization, and throughout a technology's life. The Graduate Certificate in Regulatory Science in Agriculture is an interdisciplinary certificate bringing together science and policy. Students will learn the science, techniques and policies underpinning agriculture regulation as well as risk management, compliance, data assessment, and regulatory communications.

## Plan Requirements

Code	Title	Hours	Counts towards
<b>Core Courses</b>		<b>6</b>	
CS 518	Introduction to Regulatory Science in Agriculture		
CS 528	Advanced Regulatory Science in Agriculture		
<b>Elective Courses</b> <sup>1</sup>		<b>6</b>	
BCH 552	Experimental Biochemistry		
BCH 553	Biochemistry of Gene Expression		
BCH 555	Proteins and Molecular Mechanisms		
BIO/BIT 572	Proteomics		
CH 563	Molecular Origins of Life		
CH 711	Advanced Analytical Chemistry I		
CH 713	Advanced Analytical Chemistry II		
CH 721	Advanced Organic Chemistry I		
CH 723	Advanced Organic Chemistry II		
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		
PA 507	The Public Policy Process		
PA 511	Public Policy Analysis		
PA 550	Environmental Policy		
PA 552	Science and Technology Policy		
PA 763	Public Policy Process		
PS 531	International Law		
SSC 562	Environmental Applications Of Soil Science		
SSC 720	Soil and Plant Analysis		
TOX 501	Principles of Toxicology		
TOX 620	Special Problems		
TOX 710	Molecular and Biochemical Toxicology		
<b>Total Hours</b>		<b>12</b>	

<sup>1</sup> The six credits of electives must come from two distinct disciplines.