

Approved by Faculty Senate 2/25/10

**GRADUATE MAJOR CHANGE BULLETIN NO. 3
Spring 2010**

The requirements and courses listed below reflect the graduate major curricular changes approved by the Catalog Subcommittee and the Graduate Studies Committee since approval of the last Graduate Major Change Bulletin. All new and revised courses are printed in their entirety under the headings Proposed and Current, respectively. The column to the far right indicates the date each change becomes effective.

Prefix	Course Number	New Revise Drop	Current	Proposed	Effective Date
Agri	560	Revise	Advanced Agricultural Topics V 1-3 May be repeated for credit; cumulative maximum 4 hours. Prereq admission to graduate program. Directed group study of selected advanced topics in agriculture and related areas.	Contemporary Issues in Agricultural Technology and Policy 3 <u>Contemporary issues in agricultural technology and policy implications.</u>	8-10
BSysE	512	Revise	Research and Teaching Methods 2 (1-3) Prereq graduate standing. Analysis and scientific communication.	Research and Teaching Methods 3 (2-3) <u>Graduate research with an emphasis on biological systems engineering and college instruction.</u>	8-10
BSysE	530	New	-- N/A --	Machine Vision for Biological Systems 3 Image analysis techniques as applied to machine vision applications integrated into autonomous equipment used in specialty crops.	8-10
BSysE	532	New	-- N/A --	Electrohydraulic Systems Control 3 Fluid power transmission, E/H control, control systems and controller design.	8-10
Cpt S	571	New	-- N/A --	Computational Genomics 3 Prereq Cpt S 450; C, C++ or Java experience. Graduate-level counterpart of Cpt S 471; additional requirements. Credit not granted for both Cpt S 471 and 571.	5-10