

## GRADUATE MAJOR CHANGE BULLETIN NO. 3

Fall 2017

Faculty Senate Approved 11/2/2017

The 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.

Subject	Course Number	New Revise Drop	Current	Proposed	Effective Date
CPT S	575	New	--N/A--	<p><b>Data Science 3</b> The data science process, data wrangling, exploratory data analysis, linear regression, classification, clustering, principal components analysis, recommender systems, data visualization, data and ethics, and effective communication. Credit not granted for both CPT S 475 and CPT S 575. Recommended preparation: Familiarity with algorithm design and analysis, basic linear algebra, and basic probability and statistics. Typically offered Fall.</p>	<b>1-18</b>
ECONS	526	Revise	<p><del><b>Master's Microeconomic Analysis I</b> 3 Masters level, calculus-based analysis of consumer and producer behavior, partial and general equilibrium, and strategic behavior. Required preparation must include intermediate microeconomics and calculus course work. Typically offered Fall. Cooperative: Open to UI degree-seeking students.</del></p>	<p><b><u>Mathematical Economics with Applications</u> 3</b> <u>Linear algebra, matrix algebra, calculus-based analysis of consumer and producer theory, comparative statistics, and constrained optimization.</u> Required preparation must include intermediate microeconomics and calculus course work. Typically offered Fall. Cooperative: Open to UI degree-seeking students.</p>	<b>1-18</b>