## UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 4 Fall 2012

## **Faculty Senate Approved February 14, 2013**

## ---REQUIREMENTS---

The requirements listed below reflect the undergraduate major curricular changes approved by the Catalog Subcommittee since approval of the last Undergraduate Major Change Bulletin. All changes are underlined. Deletions are crossed out. The column to the far right indicates the date each change becomes effective.

Dept	Proposed		Effective Date
Economic Sciences Drop option in International Trade and Development	Drop option in International Trade and Development		8-13
Economic			8-13
Sciences Add new option	Economic Development (120 Hours)		
in Economic	First Year		
Development	First Term	Hours	
	ECONS 101 [SSCI] or 102 [SSCI]	3	
	Humanities [HUM]	3	
	HISTORY 105 [ROOT]	3	
	MATH 201 <sup>1</sup>	3	
	Electives	3	
	Second Term	Hours	
	Biological Sciences [BSCI] or SCIENCE 101 [SCI] <sup>2</sup>	3 or 4	
	ECONS 101 or 102	3	
	ENGLISH 101 [WRTG]	3	
	MATH 202 [QUAN] <sup>1</sup>	3	
	Electives	3	
	Second Year		
	First Term	Hours	
	COM 102, COM 210, or H D 205 [COMM]	3 or 4	
	Diversity [DIVR]	3	
	ECONS 302	3	
	Physical Sciences [PSCI] or SCIENCE 102 [SCI] <sup>2</sup>	3 or 4	
	Electives	3	

Second Term	Hours
Creative & Professional Arts [ARTS]	3
ECONS 300-400-level Elective	3
ECONS 301	3
STAT 212 or MGTOP 215	4
Electives	2
Complete Writing Portfolio	
ThirdYear	
First Term	Hours
ECONS 300-400-level Elective	3
ECONS 311 [M]	3
ECONS 327	3
ECONS 322	3
ECONS 324	3
Second Term	Hours
ECONS 300-400-level Elective	3
ECONS 320	3
ECONS 323	3
ECONS 326	3
ECONS 420	3
Fourth Year	
First Term	Hours
ECONS 400-level Elective	3
ECONS 483, 495, 497, 499, or HONORS 450	3
ECONS Option Requirement <sup>3</sup>	3
ECONS 427	3
ECONS 431	3
Second Term	Hours
ECONS Option Requirement <sup>3</sup>	3
ECONS 490 [M]	3
Integrative Capstone [CAPS]	3
ENGLISH 402	3
Electives	3

For a total of 7 units—one Biological Science [BIOS] and one Physical Science [PSCI] UCORE course, including one lab course, or 8 units of SCIENCE 101 [SCI] and 102 [SCI].

Two courses from the following option requirements: IBUS 380, ECONS 330, ECONS 428, ECONS 430, POL\_S 435, SOC 340.

Economic Sciences	Agricultural Economics (120 Hours)		8-13
Revise graduation	First Year		
requirements for	First Term	Hours	
option in	ECONS 101 [SSCI] or 102 [SSCI]	3	
Agricultural Economics	ENGLISH 101 [WRTG]	3	
	Humanities [HUM]	3	
	HISTORY 105 [ROOT]	3	
	MATH 201 <sup>1</sup>	3	
	Electives	3	
	Second Term	Hours	
	Biological Sciences [BSCI] or SCIENCE 101 [SCI] <sup>2</sup>	3 or 4	
	ECONS 101 or 102	3	
	ENGLISH 101 [WRTG]	3	
	Humanities [HUM]	3	
	MATH 202 [QUAN] <sup>1</sup>	3	
	Concentrated Area Course <sup>3</sup>	3	
	Electives	3	
	Second Year		
	First Term	Hours	
	COM 102 , <del>COMSOC 324</del> , <u>COM 210</u> or H D 205 [COMM]	3 or 4	
	Diversity [DIVR]	3	
	ECONS 301	3	
	Physical Sciences [PSCI] or SCIENCE 102 [SCI] <sup>2</sup>	3 or 4	
	CHEM 101 or 105 [PSCI]	4	
	Concentrated Area Course <sup>3</sup>	3	
	Electives	3	
	Second Term	Hours	
	ACCTG 230	3	
	BLAW 210	3	
	Creative & Professional Arts [ARTS]	3	
	ECONS 302	3	
	STAT 212 or MGTOP 215	4	
	Electives	2	
	Complete Writing Portfolio		
	Third Year		

First Term	Hours
ACCTG 231	3
Concentrated Area Course <sup>3</sup>	3
ECONS 300-400 level Elective	3
ECONS 311 [M]	3
Sequence Course <sup>4</sup>	3
ECONS 350	3
ECONS 351	3
Electives	1
Second Term	Hours
Concentrated Area Course <sup>3</sup>	3
ECONS 335 or FIN 325	3
Sequence Course <sup>4</sup>	3
ECONS 300-400 level Elective	3
ECONS Option Elective	3
Electives	6
Fourth Year	
First Term	Hours
ECONS 431	3
ECONS 483, 495, 497, 499 or HONORS 450	3
ECONS 490 [M]	3
ECONS Option Elective	3
ENGLISH 402	3
Sequence Course <sup>4</sup>	3
Electives	3
Second Term	Hours
ECONS 400-level Elective	3
Integrated Capstone [CAPS]	3
Sequence Course <sup>4</sup>	3
Electives	6
Footnotes  Alternative to MATH 201 and 202 is MATH 171 and 220.	
<sup>2</sup> For a total of 7 units—one Biological Science [BIOS] and one Physical Science [PSO	CI] UCORE
course, including one lab course, or 8 units of SCIENCE 101 [SCI] and 102 [SCI].  3 Four courses from any one of the following concentration areas: (1) Agricultural Proc	1
Four courses from any one of the following concentration areas: (1)Agricultural Proc ANIM SCI 101, CROP SCI 102 or ENTOM 150, CROP SCI 360, MGTOP 340; (2)	
<u>&amp; Land Mgmt: FIN 325, FIN 345 &amp; 346, FIN 445, MGTOP 215, MIS 250; (3) Food Policy: FS 110, FS 201, FS 220, FS 303;</u>	Safety &
(4) Globalization (4 of the following courses): two semesters foreign lang, CRS 441, 430, 327, SOC 415; (5) Sustainability: CROP SCI 360, ECONS 326, ENVR SCI 1	

	ENVR SCI 285; (6) Independent Concentration - upon approval of advisor.		
	4 Two sequences (4 courses): ECONS 350 + 450; or ECONS 351 + 451; or ECONS	352 + 452.	
<b>Economic</b> Sciences Revise	Business Economics (120 Hours)		8-13
graduation	First Year		
requirements for option in	First Term	Hours	
Business	ECONS 101 [SSCI] or 102 [SSCI]	3	
Economics	ENGLISH 101 (WRTG)	3	
	HISTORY 105 [ROOT]	3	
	Humanities [HUM]	3	
	MATH 201 <sup>1</sup>	3	
	Electives	3	
	Second Term	Hours	
	Biological Sciences [BSCI] or SCIENCE 101 [SCI] <sup>2</sup>	3 or 4	
	ECONS 101 or 102	3	
	ENGLISH 101 [WRTG]	3	
	Humanities [HUM]	3	
	MATH 202 [QUAN] <sup>1</sup>	3	
	Electives	3	
	Second Year		
	First Term	Hours	
	COM 102 <del>[COMM], COMSOC 324</del> , <u>COM 210</u> , or H D 205 [COMM]	3 or 4	
	Diversity [DIVR]	3	
	ECONS 301	3	
	Physical Sciences [PSCI] or SCIENCE 102 [SCI] <sup>2</sup>	3 or 4	
	Electives	3	
	Second Term	Hours	
	Creative & Professional Arts [ARTS]	3	
	ECONS 300-400-level Elective	3	
	ECONS 302	3	
	STAT 212 or MGTOP 215	4	
	Electives	2	
	Complete Writing Portfolio		
	Third Year		
	First Term	Hours	
	ACCTG 230	3	

	ECONS 300-400-level Elective	3	
	ECONS 311 [M]	3	
	ECONS 323	3	
	Electives	3	
	Second Term Ho	urs	
	ECONS 320	3	
	ECONS 300-400-level Elective	3	
	ECONS 335	3	
	ECONS 352	3	
	ECONS Option Requirement	3	
	ECONS 400-level Elective	3	
	Concentrated Area Course <sup>3</sup>	3	
	Fourth Year		
	First Term Ho	ours	
	ECONS 452	3	
	ECONS 483, 495, 497, 499 or HONORS 450	3	
	Concentrated Area Course <sup>3</sup>	3	
	ECONS Option Requirement	3	
	ENGLISH 402	3	
	Electives	3	
	Second Term Ho	ours	
	ECONS 400-level Elective	3	
	ECONS 425	3	
	ECONS 490 [M]	3	
	Integrated Capstone [CAPS]	3	
	Concentrated Area Course <sup>3</sup>	3	
	Electives	6	
	Footnotes		
	Alternative to MATH 201 and 202 is MATH 171 and 220.  For a total of 7 units—one Biological Science [BIOS] and one Physical Science [PSCI] UCOR course, including one lab course, or 8 units of SCIENCE 101 [SCI] and 102 [SCI].	E	
	<sup>3</sup> Completion of one of the following concentration areas: (1) Commodity Marketing: ECONS 3 451, 426; (2) Consumer Marketing: MKTG 360, 300/400 level MKTG course, 300/400 level MKTG course; (3) Management: MGMT 301, 300/400 level MGMT course, 300/400 level MGMT course; (5) Logistics: MGTOP 340, MGTOP 452, ECONS 426.	51,	
Economic Sciences	Environmental and Resource Economics (120 Hours)		8-13
Revise			
graduation requirements for	First Year		
requirements for	First Term Ho	urs	

option in	ECONS 101 [SSCI] or 102 [SSCI]	3	
Environmental	ENGLISH 101 [WRTG]	3	
and Resource	HISTORY 105 [ROOT]	3	
Economics	Humanities [HUM]	3	
	MATH 201 <sup>1</sup>	3	
	Electives	3	
	Second Term	Hours	
	Biological Sciences [BSCI] or SCIENCE 101 [SCI] <sup>2</sup>	3 or 4	
	ECONS 101 or 102	3	
	ENGLISH 101 [WRTG]	3	
	Humanities [HUM]	3	
	MATH 202 [QUAN] <sup>1</sup>	3	
	Electives	3	
	Second Year		
	First Term	Hours	
	COM 102, COM 210, or H D 205 [COMM]	3 or 4	
	Diversity [DIVR]	3	
	ECONS 301	3	
	ECONS 322 [M]	3	
	Physical Sciences [PSCI] or SCIENCE 102 [SCI] <sup>2</sup>	3 or 4	
	Electives	3	
	Second Term	Hours	
	Creative & Professional Arts [ARTS]	3	
	ECONS 302	3	
	ECONS 322 [M]	3	
	STAT 212 or MGTOP 215	4	
	Concentration Area Course <sup>4</sup>	3	
	Electives	2 3	
	Complete Writing Portfolio		
	Third Year		
	First Term	Hours	
	ECONS 300-400-level Elective	3	
	ECONS 311 [M]	3	
	ECONS 330	3	
	Concentration Area Course <sup>4</sup>	3	
	Electives	<del>-6</del> <u>3</u>	
	Second Term	Hours	
	ECONS 326	3	
	ECONS 432	3	

	ECONS 300-400-level Elective	3	
	Concentration Area Course <sup>4</sup>	3	
	Electives	<del>9</del> 6	
		_	
	Fourth Year		
	First Term	Hours	
	ECONS 427	3	
	ECONS 430	3	
	ECONS 431	3	
	ECONS 483, 495, 497, 499, or HONORS 450	3	
	ENGLISH 402	3	
	Environmental Option Course <sup>3</sup>	3	
	Electives	3	
	Second Term	Hours	
	ECONS 300-400 level Elective	3	
	ECONS 490 [M]	3	
	ENGLISH 402	3	
	Environmental Option Course <sup>3</sup>	3	
	Integrative Capstone [CAPS]	3	
	Electives	<del>5</del> 3	
	Footnotes  Alternative to MATH 201 and 202 is MATH 171 and 220.  For a total of 7 units—one Biological Science [BIOS] and one Physical Science [P course, including one lab course, or 8 units of SCIENCE 101 [SCI] and 102 [SCI].  Environmental Option courses: ENVR SCI 310, ENVR SCI 444, NATRS 204, S  Three courses from any one of the following concentration areas: (1) Human Healt Environment: ANTH 405, CE 341, ENVR_SCI 402, ENVR_SCI 445, IPM 452, P  Global Environment: CROP_SCI 360, ENVR_SCI 285, ENVR_SCI 335, GEOLO HISTORY 494, PHIL 370, SOC 332; (3) Renewable Resources: Forest, Wildlife & BIOLOGY 330, BIOLOGY 401, CROP_SCI 411, NATRS 300, NATRS 301, NA' 370; (4) Non-Renewable Resources: Energy & Minerals: GEOLOGY 340, GEOL GEOLOGY 470, PHIL 370, PHYSICS 380; (5) Independent Concentration - upon advisor (choose 3 courses).	OIL SCI 368  h & the HIL 370; (2) GY 315, z Biosystems: FRS 312, PHIL OGY 350,	
Economic	Financial Markets(120 Hours)		
Sciences			
Revise graduation			
requirements for	First Year		
option in	First Term	Hours	
Financial	ECONS 101 [SSCI] or 102 [SSCI]	3	
Markets	ENGLISH 101 [WRTG]	3	
	HISTORY 105 [ROOT]	3	
	Humanities [HUM]	3	
	MATH 201 <sup>1</sup>	3	
	Electives	3	

Sec	cond Term	Hours
Bio	ological Sciences [BSCI] or SCIENCE 101 [SCI] <sup>2</sup>	3 or 4
EC	ONS 101 or 102	3
EN	GLISH 101 [WRTG]	<u>3</u>
Hun	manities [HUM]	3
MA	ATH 202 [QUAN] <sup>3</sup>	3
	ectives	3
Sec	cond Year	
Fir	rst Term	Hours
AC	CCTG 230	3
CO	OM 102 [COMM], <u>COM 210 [COMM]</u> , or H D 205 [COMM]	3 or 4
EC	ONS 301	3
MI	S 250	3
Phy	ysical Sciences [PSCI] or SCIENCE 102 [SCI] <sup>2</sup>	3 or 4
	cond Term	Hours
AC	CCTG 231	3
Cre	eative & Professional Arts [ARTS]	3
EC	ONS 302	3
MC	GTOP 215	4
Ele	ectives	2
Thi	ird Year	
Fir	rst Term	Hours
Div	versity [DIVR]	3
EC	ONS 311 [M]	3
EC	ONS 320	3
EC	ONS 322	<u>3</u>
Ele	ectives	<del>6</del> - <u>3</u>
Sec	cond Term	Hours
EC	ONS 300-400-level Elective	3
EC	ONS 420	<u>3</u>
FIN	N 325	3
Fin	ancial Markets Option Required Course	<u>3</u>
Ele	ectives	<del>9</del> <u>3</u>
Fou	urth Year	
Fir	rst Term	Hours
EC	ONS 300-400-level Elective	3
EC	ONS 420	3
EC	ONS 483, 495, 497, <del>or</del> 499, <u>or HONORS 450</u>	3

	ENGLISH 402	3	
	FIN 421 or 427	<u>3</u>	
	Electives	$\frac{3}{3}$	
	Second Term	Hours	
	ECONS 300-400-level Option Elective	3	
	ECONS 400-level Elective	3	
	ECONS 425	<u>3</u>	
	ECONS 490 [M]	3	
	Financial Markets Option Required Course	<u>3</u>	
	Integrative Capstone [CAPS]	3	
	Electives	3	
	Footnotes (No change)		
Economic Sciences Change name of option in Graduate School Preparation	Graduate School Preparation-Quantitative Economics		8-13
Economic			8-13
Sciences Revise	Quantitative Economics (120 Hours)		
graduation	First Year		
requirements for	First Term	Hours	
option in	ECONS 101 [SSCI] or 102 [SSCI]	3	
Quantitative Economics	ENGLISH 101 [WRTG]	3	
Zeonomes	HISTORY 105 [ROOT]	3	
	Humanities [HUM]	3	
	MATH 171 [QUAN] <sup>1</sup>	4	
	Electives	2 3	
	Second Term	Hours	
	Biological Sciences [BSCI] or SCIENCE 101 [SCI] <sup>2</sup>	3 or 4	
	ECONS 101 or 102	3	
	ENGLISH 101 [WRTG]	3	
	Humanities [HUM]	3	
	MATH 172	4	
	Electives	2 3	
	Second Year		
	First Term	Hours	
	COM 102 [COMM] or H D 205 [COMM]	3 or 4	

Diversity [DIVR]	3	
ECONS 301	3	
ECONS Emphasis Course <sup>3</sup>	3	
MATH 273	2	
Physical Sciences [PSCI] or SCIENCE 102 [SCI] <sup>2</sup>	3 or 4	
Second Term	Hours	
Creative & Professional Arts [ARTS]	3	
ECONS 302	3	
MATH 220 <sup>1</sup>	2	
STAT 212 or MGTOP 215	4	
ECONS Emphasis Course <sup>3</sup>	3	
Electives	3	
Complete Writing Portfolio		
Third Year		
First Term	Hours	
ECONS 300-400-level Elective	<u>6 3</u>	
ECONS 311 [M]	3	
ECONS Emphasis Course <sup>3</sup>	3	
Electives	6	
MATH 301 or Elective	3	
MATH 315	3	
Second Term	Hours	
ECONS 300-400-level Elective	3	
ECONS 420	3	
ECONS 424	3	
MATH 401 or Elective	3	
Electives	<u>8 6</u>	
Fourth Year		
First Term	Hours	
ECONS 420	3	
ECONS 483, 495, 497, 499, or HONORS 450	3	
ECONS 525, STAT 360, or STAT 443	3	
ECONS 526	3	
ECONS 527 or MATH 420	3	
ECONS 400-500 level Elective	3	
Electives	3	
Second Term	Hours	
ECONS 400- <u>500 l</u> evel Elective	3	
ECONS 490 [M]	3	

E	ECONS 525, STAT 360, or STAT 443	3
E	ENGLISH 402	3
I	ntegrative Capstone [CAPS]	3
F	Electives	3
1 2	ootnotes  MATH 171 and 220 are required.  For a total of 7 units—one Biological Science [BIOS] and one Physical Science [PSCI] UCORE course, including one lab course, or 8 units of SCIENCE 101 [SCI] and 102 [SCI].	3
3	Economics Emphasis Courses (3 courses required from one area): (1) Math: MATH 273, MAT 301, and MATH 315; (2) Management Operations: MGTOP 340, MGTOP 412, MGTOP 452; (3) Computer Science: CPT_S 121, CPT_S 122, CPT_S 224	Н