

Request Status PENDING

Last Updated Ramirez,Ana G
10/14/2010 4:24 PM

General Information

Fiscal Unit/Academic Org Economics - D0722

Administering College/Academic Group Social And Behavioral Sciences

Co-administering College/Academic Group

Semester Conversion Designation

Converted with minimal changes to program goals and/or curricular requirements (e.g., sub-plan/specialization name changes, changes in electives and/or prerequisites, minimal changes in overall structure of program, minimal or no changes in program goals or content)

Current Program/Plan Name [https://assist-](https://assist-erp.osu.edu/assistCurriculum/currentPlan.html) Economics

[erp.osu.edu/assistCurriculum/currentPlan.html](https://assist-erp.osu.edu/assistCurriculum/currentPlan.html)

Proposed Program/Plan Name Economics

Program/Plan Code Abbreviation ECON-BS

Current Degree Title Bachelor of Science

Credit Hour Explanation <https://assist-erp.osu.edu/assistCurriculum/credit.html>

Program credit hour requirements	A) Number of credit hours in current program (Quarter credit hours)	B) Calculated result for 2/3rds of current (Semester credit hours)	C) Number of credit hours required for proposed program (Semester credit hours)	D) Change in credit hours	
Total minimum credit hours required for completion of program	65	43.3	39	4.3	
Required credit hours offered by the unit	Minimum	50	33.3	33	0.3
	Maximum				
Required credit hours offered outside of the unit	Minimum	5	3.3	3	0.3
	Maximum				
Required prerequisite credit hours not included above	Minimum	10	6.7	3	3.7
	Maximum				

Explain any change in credit hours if the difference is more than 4 semester credit hours between the values listed in columns B and C for any row in the above table

There is no change in credit hours relative to total hours for graduation. One economics elective has been added to maintain the size of the major as a share of credit hours to graduate and add breadth. There is a reduction from 10 quarter credit hours to 3 semester credit hours in prerequisites, but this change is only nominal – Math 152 had been a prerequisite, but is being dropped as a prerequisite even though it remains part of the BS. The increase in credit hours that meet two or more requirements is due to math 151 and 152 both converting as 5 semester credit hours (it also includes economics 200, which is undergoing a standard, 5-to-3 conversion).

Program Learning Goals

Note: these are required for all undergraduate degree programs and majors now, and will be required for all graduate and professional degree programs in 2012. Nonetheless, all programs are encouraged to complete these now.

Program Learning Goals

- A. Students improve their substantive knowledge of economics and public policy issues.
- B. Students improve their analytic and quantitative abilities, including their mathematics and statistical ability and logical thinking skills.
- C. Students improve their communications skills.

- D. Students are prepared for graduate school and employment.

Assessment

Assessment plan includes student learning goals, how those goals are evaluated, and how the information collected is used to improve student learning. An assessment plan is required for undergraduate majors and degrees. Graduate and professional degree programs are encouraged to complete this now, but will not be required to do so until 2012.

Is this a degree program (undergraduate, graduate, or professional) or major proposal? Yes

Does the degree program or major have an assessment plan on file with the university Office of Academic Affairs? Yes

Summarize how the program's current quarter-based assessment practices will be modified, if necessary, to fit the semester calendar.

For our assessment, we use a variety of direct and indirect methods, none of which depend upon whether the program is run under quarters or semesters. As a result, we do not anticipate any changes to our assessment practices under the semester system.

Program Specializations/Sub-Plans (<https://assist-erp.osu.edu/assistCurriculum/specializations.html>)

If you do not specify a program specialization/sub-plan it will be assumed you are submitting this program for all program specializations/sub-plans.

Pre-Major (<https://assist-erp.osu.edu/assistCurriculum/preMajor.html>)

Does this Program have a Pre-Major? Yes Econ2001.01/02 Principles of Macroeconomics

Attachments (<https://assist-erp.osu.edu/assistCurriculum/programAttachments.html>)

File Name	Description	Attachment Type	Owner
semesterConversionEconBSProposal_2010-7-30.doc (#)	Final Proposal	Program Proposal	Weinberg,Bruce A
Econ prog conversion materials to Mummy.pdf (#)	Chair letter	Program Rationale Statement	Ramirez,Ana G

Comments

- 07/30/2010 04:51 PM [Weinberg,Bruce A]
Please disregard the Proposal and use the file Final Proposal

Workflow Information

Status	User(s)	Date/Time	Step
Submitted	Ramirez,Ana G	07/27/2010 8:53 PM	Submitted for Approval
Revision Requested	Weinberg,Bruce A	07/30/2010 4:43 PM	Unit Approval
Status	User(s)	Date/Time	Step
Submitted	Ramirez,Ana G	08/02/2010 10:16 AM	Submitted for Approval
Approved	Weinberg,Bruce A	08/02/2010 10:30 AM	Unit Approval
Revision Requested	Mummy,Gene Elwood	10/12/2010 1:46 PM	College Approval
Status	User(s)	Date/Time	Step
Submitted	Ramirez,Ana G	10/14/2010 4:24 PM	Submitted for Approval
Pending Approval	Weinberg,Bruce A Haurin,Donald Richard Miyazaki,Hajime Selby,Erin Faye	10/14/2010 4:24 PM	Unit Approval



October 13, 2010

Phone (614) 292-6701
Fax (614) 292-3906

Professor Gene Mumy, Dean
College of Arts and Sciences
Ohio State University
E-mail: mumy.1@osu.edu

Dear Gene:

Along with this letter, please find the program conversion materials for the Department of Economics.

- **List of all current programs in the department**
 - a. Undergraduate bachelors degree programs and/or majors – **Bachelor of Arts, Bachelor of Science**
 - b. Undergraduate minors - **Minor**
 - c. Undergraduate associate degree programs - **None**
 - d. Graduate degree programs – **Ph.D., M. A.**
 - e. Graduate minors – **Graduate Minor in Economics**
 - f. Graduate certificate programs - **None**
 - g. Graduate interdisciplinary specializations - **None**
 - h. Professional degree programs - **None**
 - i. Combined programs (e.g., BS/MS, Ph.D./ MD) - **None**

- **Summary of unit-level review processes for programs and courses**

Undergraduate program: this effort has been led by the Director of Undergraduate Studies (DUS), who worked closely with the Undergraduate Studies Committee (USC), the Undergraduate Coordinator, and our undergraduate advisors. The input of other members of the department, including faculty in specific areas, lecturers, and graduate students was solicited at many points in this process. It was also informed by input from undergraduates, including our assessment work. The conversion plan will also be presented before our Undergraduate Economics Society at an upcoming meeting to inform them of the changes and solicit feedback. As background, our undergraduate program consists of a BS, BA, minor, and service courses. We have a very large undergraduate program, with 500+ majors, hundreds of minors, and we provide a large amount of coursework for the GEC and to various colleges including FCOB. The standard for the discipline is that there be a set of introductory level courses (microeconomics and macroeconomics), intermediate theory courses, and courses in statistics/econometrics (more in the BS than the BA). In addition, there are a set of field courses and over the last decade we have introduced a set of topical courses (e.g., Housing Economics, Economics of Gender, Issues of the Underground Economy). We first reviewed our peer universities' economics programs and their structures and determined that our programs' underlying structures are generally consistent with current best practices, although somewhat less mathematically intensive than some of

our peers. The Undergraduate Studies Committee also explicitly explored whether a radical restructuring made sense. For instance, we discussed moving to experiment-based delivery of our principles courses, although this change is not feasible at this time because of the lack of space in the department including lab space. Given that our program largely conforms to existing best practices, we decided in favor of incremental change and determined that we should offer a curriculum that best matches OSU's variety of student abilities and interests. We discussed the issue of credit hours per class with faculty and lecturers and made decisions for individual courses, with some converting from 5 hours to 3 and others converting to 4. We considered the number of classes involved in the major and added an additional requirement to both the BA and BS. We reaffirmed the need for both a BS and BA; however, we seriously discussed whether there should be a calculus requirement for both degrees. In the end, we strengthened our math requirement in the BA, but not to the level of requiring calculus. Complementing the stronger math requirements, we also are increasingly moving to a tiered approach in our offerings. Specifically, we will offer all of our principles courses (microeconomics and macroeconomics) and intermediate courses (again microeconomics and macroeconomics) in three versions instead of two to maintain the accessibility of our courses for service purposes while addressing the needs of advanced students. We recently modified the requirements of the minor to permit greater flexibility for student choice and interests and this flexibility is being maintained. Given the size of our program, we offer most all undergraduate courses in multiple sections in AU-SP quarters. We considered the extent to which we can have multiple offerings under the semester model and the USC has addressed strategies to meet student demand given our resources. They identified a set of courses that may have to be offered in alternating years (these courses are reasonably popular and thus we do not want to drop them). During this effort the DUS submitted every course to the faculty for review and updating of the course description. Particular attention was paid to our Economic History and Econometrics courses. We met with FCOB representatives to keep them informed of our plans for the courses taken by business students. Economics has also taken the lead in discussions with all the units we work with most closely in terms of curriculum (AED Economics; the Glenn School; and International Studies) to coordinate offerings and ensure optimal course transitions. Of course, there will be additional details to work out over the coming year.

These efforts are on top of our continuous, ongoing review the undergraduate program and its delivery. Indeed there are a number of important efforts that came out of our continual review process that are already underway that will carry through under semesters. In the past two years we have paid a great deal of attention to our use of GTAs in undergraduate instruction, including new evaluation procedures (in addition to SEIs), our strategy for assigning GTAs to courses; and our staffing of large lecture-recitations classes. We have recently strengthened the ESL requirement for GTA instructors. We also have ongoing efforts, guided by the results from our assessment exercises, to increase access to both internships and research opportunities. These efforts will be pushed further as we shift to semesters. In summary, I believe that we have done a thorough review of the undergraduate program, and that we have carefully considered how to optimize the delivery of our programs under the semester model.

Summary of Changes to Undergraduate Program

Our **Bachelor of Arts** is undergoing three important changes. One change is the introduction of supplementary mathematics requirements, which we feel will both benefit our students in their subsequent coursework and bring us closer to peer institutions. We are also decimalizing our Principles of Microeconomics and Principles of Macroeconomics courses to allow smaller, more advanced sections for majors and minors (other students can be admitted with instructor permission). To ensure that the

major continues to occupy the same share of total credit hours and provide additional breadth, we are also adding a fifth elective in the major.

We have made three important changes to the **Bachelor of Science**. First, we are decimalizing our Principles of Microeconomics and Principles of Macroeconomics courses to allow smaller, more advanced sections for majors and minors (other students can be admitted with instructor permission). Second, we are further decimalizing our Intermediate Microeconomics and Macroeconomics classes to enhance the learning experience of our most capable and motivated (Bachelor of Science) students. Specifically, all of our Bachelor of Science students are required to take calculus-based (.02) sections of these courses, but we are adding an additional “Schwarzenegger” level (.03) that will cover even more advanced material. Lastly, to ensure that the major continues to occupy the same share of total credit hours and provide additional breadth, we are also adding a fifth elective in the major.

The main change to our **undergraduate minor** is the decimalization of our Principles of Microeconomics and Principles of Macroeconomics courses to allow smaller, more advanced sections for majors and minors (other students can be admitted with instructor permission).

Graduate program: this effort is led by the Director of Graduate Studies (DGS), who worked closely with the Graduate Studies Committee (GSC) in the department. The DGS and GSC conducted a thorough review of our current offering, curriculum of our peer institutions, and studied ways to improve our competitiveness in the discipline. Our effort involved faculty-wide discussions in field groups, core instructional members, and graduate faculty meetings. The DGS and I also made special effort to communicate our needs with the Graduate School, and to coordinate our program revisions with the AED Economics Ph.D. program.

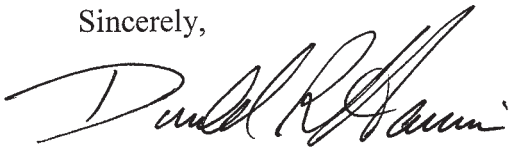
Our Ph.D. program involves three stages: a first year program of core methods and concepts (microeconomics, macroeconomics and econometrics), a second year program of field coursework, and the dissertation research development and completion in years three to five. The largest restructuring was to our core first-year curriculum, to reflect directional changes in our discipline and improved quality of applicants to our program. But, our discussions of the second and third year programs were also extensive, involving all of our eight field groups, which met separately and jointly, to determine the optimal content and delivery of our courses in the semester system. Every course’s content was reviewed and the DGS asked all faculty members involved in the graduate program to rewrite course descriptions. We embarked on comprehensive review and implementation of new policies for our graduate program a decade ago including a major outside review. We renewed the vigor of our review and implementation two years ago in anticipation of the semester conversion. Within the last 15 months, for example, we revised key requirements in our second and third year programs to enhance our students’ research potential and placement prospects.

We also offer M.A. and Graduate Minor in Economics. Consistent with the norm of our discipline, our M.A. is embedded in our Ph.D. core curriculum, and we do not have separate de novo M.A. admissions. Our M.A. is open to all Ph.D. students in our program and related OSU programs such as Finance and AED Economics. The restructuring of our core Ph.D. curriculum also enables us to streamline the delivery of M.A. examinations and course requirements. We introduced Graduate Minor in Economics three years ago, with the technical level set between a quantitative honors B.S. in economics and an M.A. in economics. We have since learned more about the need of other Ph.D. programs for our Minor. The semester conversion gave us a timely opportunity to adjust our course offerings, to enable students to complete requirements within one academic year.

Our effort at continuous innovation includes not only the mechanism to achieve a higher standard, but also the size and composition of our students in the program starting with admissions. Our entering class consists almost exclusively of fellowship recipients; we rank as one of the top graduate programs in fellowship awards at OSU. My colleagues grappled with some difficult semester conversion issues and approached them as an opportunity to improve the quality of our graduate program, and our effort will continue as we enter the semester system. At the start of this academic year, I have asked the DGS, GSC, and graduate faculty if there is a way to improve further the quality of the second year field program under the semester structure. Many of our innovations in graduate program may not appear as a creation of new courses or course structure, but more as changes in structure and implementation of the program. Concurrently we are thus undertaking the major rewrite of Policies and Procedures for Graduate Program in Economics, a 40-page constitution of our program. In summary, I believe that we have done a thorough review of the graduate program, and that we have very carefully considered how to deliver its content under semesters.

In closing, I endorse these plans and recommend their approval. I would also like to thank you personally for your guidance during this process. We have invested considerable time in determining how to proceed and your input has proven invaluable.

Sincerely,

A handwritten signature in black ink, appearing to read "Donald R. Haurin". The signature is fluid and cursive, with a large initial "D" and "H".

Donald R. Haurin
Professor and Chair

ECONOMICS MAJOR (B.S.) SEMESTER PROPOSAL

1) **Program name: Economics**

2) **Degree title: Bachelor of Sciences in Economics**

3) **Academic unit: Economics**

4) **Type of program: Undergraduate Bachelors degree**

5) **Semester Conversion designation: Conversion with minimal changes**

6) **Program learning goals**

- A. Students improve their substantive knowledge of economics and public policy issues.
- B. Students improve their analytic and quantitative abilities, including their mathematics and statistical ability and logical thinking skills
- C. Students improve their communications skills.
- D. Students are prepared for graduate school and employment.

7) **List of Semester Courses in the program**

The Economics program under semesters will continue to consist of 2 different options: a Bachelor of Sciences or a Bachelor of Arts undergraduate degree in economics. The requirements for the Bachelor of Sciences degree are:

I. Program Prerequisites

- A. Economics 2000.01 / .02 Principles of Microeconomics

II. Core Economics—All Course below are required.

- A. Economics 2001.01 / .02 Principles of Macro Economics
- B. Statistics 245 (Successor): Introduction to Statistical Analysis
- C. Economics 4001.02 / .03: Intermediate Microeconomics (Calculus-based)
- D. Economics 4002.02 / .03 : Intermediate Macroeconomics (Calculus-based)
- E. Economics 5410: Applied Regression and Correlation Analysis
- F. Economics 5420: Applied Economic Models and Forecasting

III. Departmental Writing Requirement—Students must select one of the following Courses

- A. Economic 2367.01: The American Economy in the 20th Century
- B. Economics 2367.02: Current Economic Issues in the United States
- C. Economics 4100: History of Economic Thought
- D. Economic 4508: Comparative Economic Systems
- E. Economics 5130: Economic History of the United States
- F. Economics 5140: Economic History of Western Europe

As mentioned above, the B.S. requirements are composed of a core, which all students must take, a choice of a Departmental Writing Requirement and 15 credit hours of Economics Elective Courses in at least 4 courses (course numbers greater than 3000), of which at least 2 courses and 6 credit hours must be at the 5000-level or higher. Overlap of major Electives and the Departmental Writing Requirement is not permitted.

8) **Comparison of current quarter-based and proposed semester-based curriculum advising sheets.** Current quarter-based curriculum advising sheet:

				Economics	
<i>Name: last</i>		<i>first</i>		<i>middle</i>	
				<i>Major</i>	
				XXXX	
<i>Student Number:</i>		<i>Degree Sought:</i>		<i>BA BS</i>	
<i>Local Address:</i>		<i>Zip</i>		<i>e-mail address</i>	

Part A: Required Prerequisites (and / or supplementary requirements)

<i>Courses</i>	<i>Hours</i>	<i>Grade</i>	<i>Courses</i>	<i>Hours</i>	<i>Grade</i>
Econ 200	5				
Math 152	5				

Part B: Major Program (Minimum grade of “C-” required. Minimum grade average of “C” (2.00)

Core Requirements (Substitutions are rarely if ever permitted)

<i>Courses</i>	<i>Hours</i>	<i>Grade</i>	<i>Courses</i>	<i>Hours</i>	<i>Grade</i>
Econ 201	5		Stat 245	5	
Econ 501.02	5		Econ 641	5	
Econ 502.02	5		Econ 642	5	

Other Major Courses/Major Electives

Econ xxx	5		Econ Writing Course	5	
Econ xxx	5				
Econ 6xx	5				
Econ 6xx	5				

55

Total of Part B only

Proposed semester-based advising sheet:

			Economics
<i>Name: last</i>	<i>first</i>	<i>middle</i>	<i>Major</i>
			XXXX
<i>Student Number:</i>		<i>Degree Sought:</i>	<i>BA</i> <i>BS</i>
<i>Local Address:</i>		<i>Zip</i>	<i>e-mail address</i>

Part A: Required Prerequisites (and / or supplementary requirements)

<i>Courses</i>	<i>Hours</i>	<i>Grade</i>	<i>Courses</i>	<i>Hours</i>	<i>Grade</i>
Econ 2001.01 / .02	3				
Math 1152	4				

Part B: Major Program (Minimum grade of "C-" required. Minimum grade average of "C" (2.00)

Core Requirements (Substitutions are rarely if ever permitted)

<i>Courses</i>	<i>Hours</i>	<i>Grade</i>	<i>Courses</i>	<i>Hours</i>	<i>Grade</i>
Econ 2002.01 / .02	3		Successor to Stat 245	4	
Econ 4001.02 / .03	3		Econ 5410	3	
Econ 4002.02 / .03	3		Econ 5420	3	

Other Major Courses/Major Electives

Econ xxxx	3		Econ Writing Course	3	
Econ xxxx	3				
Econ xxxx	3				
Econ 5xxx	3				
Econ 5xxx	3				

37

Total of Part B only

9) Curriculum map, indicating how program goals are accomplished via specific courses.

Curriculum Map for Economics Bachelor of Science

QUARTERS			SEMESTERS			Learning	Nature of
Course #	Course Name	Hours	Course #	Course Name	Hours	Outcomes	Conversion
Prerequisites							
E200	Principles of Microeconomics	5	E2001.01 / .02	Principles of Microeconomics	3	1, 2, 4	5 to 3 Conversion; Same Content
Core Major Requirements in Department							
E201	Principles of Macroeconomics	5	E2002.01 / .02	Principles of Macroeconomics	3	1, 2, 4	5 to 3 Conversion; Same Content
E501.02	Intermediate Microeconomics	5	E4001.02 / .03	Intermediate Microeconomics	3	1, 2, 4	5 to 3 Conversion; Same Content
E502.02	Intermediate Macroeconomics	5	E4002.01 / .02	Intermediate Macroeconomics	3	1, 2, 4	5 to 3 Conversion; Same Content
E641	App Regression and Correlation Analysis	5	E5410	Applied Regression and Correlation Analysis	3	2, 4	5 to 3 Conversion; Same Content
E642	Applied Economic Models and Forecasting		E5420	Applied Economic Models and Forecasting	3	2, 4	5 to 3 Conversion; Same Content
Dept Writing Course		5	Departmental Writing Course		3 / 4	1, 3, 4	5 to 3 Conversion; Same Content
Electives Misc.		20	Electives At least 4 courses with at least 15 credit hours at the 3000-level or higher of which at least 2 are courses with at least 6 credit hours at the 5000-level		15	1, 2, 3, 4	Inc of 1 course; maintains relative size; increases breadth
TOTAL		50			36		
Core Requirements Outside Department							
Stat 245	Introduction to the Practice of Statistics (Prereq to 641)	5	Stat 245 Successor	Introduction to the Practice of Statistics (Prereq to 5410)	3	2, 4	5 to 3 Conversion; Same Content

Program Goals

- 1 Students improve their substantive knowledge of economics and public policy issues.
- 2 Students improve their analytic and quantitative abilities, including their mathematics and statistical ability and logical thinking skills.
- 3 Students improve their communication skills.
- 4 Students are prepared for graduate education and/or employment.

10) Rationale for Program Changes

The addition of more advanced courses will enhance learning for our most capable and motivated students. There is no change in credit hours relative to total hours for graduation. The addition of an elective course will add breadth.

11) Table highlighting credit hour changes

Program credit hour requirements	Quarter Option	Semester Option	A.) Number of (quarter-based) credit hours in current program	B.) 2/3 of column A.)	C.) Number of (semester-based) credit hours of proposed program
Total Credit hours for completion of the program	BA	BA	146	97	92
	BS	BS	156	103	98
	Minor	Minor	161	107	103
Prereq Credit hours required for admission	BA	BA	5	3	3
	BS	BS	10	7	3
	Minor	Minor	0	0	0
Required credit hours offered by Economics	BA	BA	45	30	30
	BS	BS	50	33	33
	Minor	Minor	25	17	15
Required credit hours outside of Economics	BA	BA	5	3	7
	BS	BS	5	3	3
	Minor	Minor	0	0	0
Credit hours that meet two or more requirements	BA	BA	10	7	10
	BS	BS	15	10	13
	Minor	Minor	10+	7	6+
Free Elective Credit hours	BA	BA	34	22	28
	BS	BS	25	16	22
	Minor	Minor	20	13	17

12) Rational for credit hour changes

There is no change in credit hours relative to total hours for graduation. One economics elective has been added to maintain the size of the major as a share of credit hours to graduate and add breadth. There is a reduction from 10 quarter credit hours to 3 semester credit hours in prerequisites, but this change is only nominal – Math 152 had be a prerequisite, but is being dropped as a prerequisite even though it remains part of the BS. The increase in credit hours that meet two or more requirements is due to math 151 and 152 both converting as 5 semester credit hours (it also includes economics 200, which is undergoing a standard, 5-to-3 conversion.

13) Transition policy

Our major is substantially unchanged, so we do not anticipate substantial transition issues, although advising will be important during the transition, especially to ensure that students have the pre-requisites necessary for their econometrics courses. Overall, we are committed to ensuring that students who began their degree under quarters will not be penalized as we move to semesters, either in terms of progress towards their degree or their expected date of graduation. Any students graduating on the quarter-GEC model will be exempted from the additional elective course if necessary to complete their degrees in a timely fashion.

14)Expected changes in assessment practices under semesters

For our assessment, we use a variety of direct and indirect methods, none of which depend upon whether the program is run under quarters or semesters. As a result, we do not anticipate any changes to our assessment practices under the semester system.

15) Verification that assessment plan exists at OAA.

We do have an assessment plan on file at OAA.

