

Economics Department
A BEGINNER'S GUIDE FOR PLANNING AN ECONOMICS MAJOR

East Asian Studies, Economics, and History Advising Center Contact Information

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*Appointments: Tuesday-Friday 9:00-11:30 am and 1:00-3:30 pm

Drop-ins: Mondays 1:00-3:45 pm, Tuesday-Friday 9:00-11:30 am and 1:00-3:45 pm

**Please note: Hours May be Subject to Change During Summer, Please check website.*

The Economics major requires a total of 62 to 64 units, which consists of:

Lower Division (18-20 units):

- Economics 1A: Principles of Microeconomics
- Economics 1B: Principles of Macroeconomics
- Statistics 13: Elementary Statistics
- Mathematics 16A/17A/21A: Calculus
- Mathematics 16B/17B/21B: Calculus

Upper Division (44 units):

- Intermediate Micro and Macro Theory courses (ECN 100A, 100B, and 101)
- Analysis of Economic Data (ECN 102)
- One Economics History course (ECN 110A, 110B, 111A or 111B)
- Three Advanced Economics courses (after completing ECN 100A, 100B, and 101)
- Three Elective Economics courses (choice of Advanced, Elective, or Economic History courses)
- *Specialization Options*
 - Behavior and Strategy
 - Data Analytics and Economic Analysis
 - Economic History
 - International Macro-Finance
 - Policy
 - Poverty and Inequality

Students must also complete requirements for the University and College in addition to the major and should consult:

- The College of Letters and Science (<https://ls.ucdavis.edu/advising>)
- The *General Catalog* (<https://ucdavis.pubs.curricUNET.com/Catalog/>)

Notes:

Lower Division = courses numbered 1 to 99

Upper Division = courses numbered 100 to 199

Recommendations for course planning:

- Start Math first!
 - The Economics Department recommends students begin their mathematics series, foreign language and English requirement as soon as possible. If a student is considering graduate study in Economics, the MAT 21 series is strongly recommended. Students could begin either Economics 1A or 1B in the following quarters.
- Check for Prereqs!
 - **All prerequisite courses need to be completed before enrolling in upper division Economics courses**, otherwise, you run the risk of being dropped from the course. Prerequisites can be found in the catalog (<https://ucdavis.pubs.curricunet.com/Catalog/>) under each course
- *We strongly advise against taking ECN 100A, 100B, 101, or 102 during the same quarter*
- *Do not take more than two ECN courses at a time!*
 - The Economics Department does not recommend taking more than 2 Economics courses at a time.
- Take advantage of free ECN tutoring
 - The Economics Department offers free peer tutoring including ECN 1A, 1B, 100A, 100B, 101, and more! Go to our Economics Department website for a list of available courses with peer tutors: <http://economics.ucdavis.edu/undergrad-program/tutoring>

The attached “Sample 4-Year Academic Plan” is simply a suggestion but there are many variations. This packet also includes a sample for students needing University Writing Program courses.

Requirements for the Major in Economics

<i>Courses</i>	<i>Units</i>	<i>Title</i>	<i>Completed</i>
Required Lower Division Courses:			
ECN 1A	4	Principles of Microeconomics	
ECN 1B	4	Principles of Macroeconomics	
STA 13, 32 or 102	4	Elementary Statistics	
MAT 16A, 17A or 21A	3-4	Calculus	
MAT 16B, 17B or 21B	3-4	Calculus	
Required Upper Division Economics Courses:			
100A	4	Intermediate Micro Theory: Consumer and Producer Theory	
100B	4	Intermediate Micro Theory: Imperfect Competition and Market Failure	
101	4	Intermediate Macro Theory	
102	4	Analysis of Economic Data	
110A ¹ , 110B ¹ , 111A ¹ , or 111B ¹	4	Economic History	
Advanced Economics Courses (12 units):			
1)	4		
2)	4		
3)	4		
Elective Economics Courses selected from Elective or Advanced courses (12 units):			
1)	4		
2)	4		
3)	4		

ADVANCED Economic Courses: courses that may have Prerequisites of ECN 100A, 100A and 100B, 101, and/or 102					
Course		Units	Course		Units
103	Economics of Uncertainty and Information	4	137	Macroeconomic Policy	4
106	Decision Making	4	140 ⁵	Econometrics	4
116	Comparative Economic Systems	4	145	Transportation Economics	4
121A	Industrial Organization	4	151A	Economics of the Labor Market	4
121B	Industrial Organization	4	151B	Economics of Human Resources	4
122	Theory of Games and Strategic Behavior	4	152	Economics of Education	4
125	Energy Economics	4	160A ⁴	International Microeconomics	4
130	Public Microeconomics	4	160B ⁴	International Macroeconomics	4
131	Public Finance	4	190 ²	Topics in Economics	4
132	Health Economics	4	ARE 139	Futures and Options Markets	4
134	Financial Economics (or ARE 171A)	4	ARE 156	Introduction to Mathematical Economics	4
135	Money, Banks and Financial Institutions	4	ARE 166	Economics of Global Poverty	4
136	Topics in Macroeconomic Theory	4	ARE 175	Natural Resource Economics	4
		4	ARE 176	Environmental Economics	4

ELECTIVE Economic Courses: courses with Prerequisites of ECN 1A and ECN 1B					
Course		Units	Course		Units
110A ¹	World Econ History Before the Industrial Revolution	4	107	Neuroeconomics/Reinforcement Learning & Decision Making (or PSC 133)	4
110B ¹	World Econ History After the Industrial Revolution	4	115A	Economic Development (or ARE 115A)	4
111A ¹	Economics History (U.S.)	4	115B	Economic Development (or ARE 115B or ECN 115BY)	4
111B ¹	Economics History (U.S.)	4	117	Economics of International Immigration	4
			133Y	Poverty, Inequality and Public Policy	4
			ARE 133	Introduction to Behavioral Economics	4
			162 ³	International Economic Relations	4
			171	Economy of East Asia	4
			190 ²	Topics in Economics	4

¹If completed more than one Economic History course; the additional course(s) can count as Elective Economics Courses and can be taken out of sequence.

²Check prerequisites for Economic 190 courses. If it has a prerequisite of ECN 100A/100B, and/or 101, it is an Advanced Course; otherwise, it is an Elective Course.

³ECN 162 is intended especially for non-majors. Not open for credit to students who have completed course 160A or 160B.

⁴Only 2 units of credit allowed to students who have completed ECN 162..

⁵ECN 140 only gives 2 units of credit to students who have completed two of the following courses: ECN 102, ARE 106, and STA 108

Economic Major Specializations

After completing the four ECN core and one of the ECN History, you may choose to follow one of the specialization tracks, which can be helpful when selecting ECN ADV or ECN ELC courses. If you choose to follow any one of these specializations or follow the general track, you will still need to complete a total of 3 ECN Advanced and 3 ECN Elective courses.

<u>Behavior and Strategy</u>	<u>Data Analytics and Economic Analysis</u>	<u>Economic History</u>
<p>Students will examine decision-making especially as it relates to businesses and the impact of market structures. Possible career paths would include market research analyst for a company as well as associate at a consulting firm.</p> <p><i>Required: either ECN 121A or ECN 122</i> <i>Plus: Choose 2 others from the following options:</i></p> <ul style="list-style-type: none"> • ECN 103: Economics of Uncertainty and Information • ECN 106: Decision Making • ECN 121A: Industrial Organization • ECN 121B: Industrial Organization • ECN 122: Theory of Games and Strategic Behavior 	<p>Students will examine theories and models used to analyze data, identify empirical patterns, forecast economic variables, and make decisions. Possible career paths would include data scientist for a company or a data analyst position in the healthcare or related industry.</p> <p><i>Required: ECN 140: Econometrics</i> <i>Plus: Choose 2 from the following options:</i></p> <ul style="list-style-type: none"> • ECN 103: Economics of Uncertainty and Information • ECN 106: Decision Making • ECN 122: Theory of Games and Strategic Behavior • ECN 132: Health Economics <u>OR</u> ECN 145: Transportation Economics • ECN 190 with Shen, Ura or Carvajal 	<p>Students will investigate the economies of the past and how historical trends and events have shaped our current and possible future economic landscape. Possible career paths would include law school or secondary education social studies teacher.</p> <p><i>Choose 3 from the following options:</i></p> <ul style="list-style-type: none"> • ECN 110A: World Econ History Before the Industrial Revolution • ECN 110B: World Econ History Since the Industrial Revolution • ECN 111A: Economic History (U.S.) • ECN 111B: Economic History (U.S.) • ECN 117 with Perez • Any one Upper division course from the History Major (must let an advisor know in advance)
<p><u>International Macro-Finance</u></p> <p>Students will learn about the interdependent world using the tools of macroeconomics and finance. Possible career paths would include analyst at a financial company or international economist for a governmental agency or non-profit.</p> <p><i>Choose 3 from the following options:</i></p> <ul style="list-style-type: none"> • ECN 110B: World Econ Hist. Since the Industrial Revolution • ECN 134: Financial Economics • ECN 135: Money, Banks, and Financial Institutions • ECN 136: Topics in Macroeconomic Theory • ECN 160B: International Macroeconomics • ECN 171: Economy of East Asia 	<p><u>Policy</u></p> <p>Students will learn about the design, implementation, and impact of governmental economic policies. Possible career paths would include policy analyst for a government agency or research analyst for a private think tank.</p> <p><i>Choose 3 from the following options:</i></p> <ul style="list-style-type: none"> • ECN 125: Energy Economics • ECN 130: Public Microeconomics • ECN 131: Public Finance • ECN 132: Health Economics • ECN 145: Transportation Economics • ECN 151A: Economics of the Labor Market • ECN 151B: Economics of Human Resources • ECN 160A: International Microeconomics 	<p><u>Poverty and Inequality</u></p> <p>Students will examine the issues of economic growth, development, and inequality from an individual as well as national level. Possible career paths would include analyst for a non-profit advocacy group or development economist for an international agency.</p> <p><i>Choose 3 from the following options:</i></p> <ul style="list-style-type: none"> • ECN 115A or ARE 115A: Economic Development • ECN 115B (or 115BY or ARE 115B): Economic Development • ECN 130: Public Microeconomics • ECN 133Y: Poverty, Inequality and Public Policy • ECN 151B: Economics of Human Resources • ECN 190 with Rezaee or Singhal

NOTE: The specialization will be listed on your transcript, not on your degree. To receive this notation, you will need to let an Economic advisor know which specialization you are following by the start of your graduating quarter.

University of California, Davis
Economics Department
Sample 4-Year Academic Plan

Year 1:

Fall	Winter	Spring	Summer I and/or II
MAT 16A, 17A or 21A (3-4)	MAT 16B, 17B or 21B (3-4)	ECN 1A or ECN 1B (4)	
Foreign Language (5)	ECN 1A or ECN 1B (4)	STA 13 or equivalent (4)	
ELWR course (4)	Foreign Language (5)	Foreign Language (5)	
Open (3-4)	Open (3-4)	Open (3)	
Total: (15-16)	Total: (15-16)	Total: (16)	Total:

All prerequisite courses need to be completed before enrolling in upper division Economics courses.

Prerequisites can be found in the catalog (<https://ucdavis.pubs.curricunet.com/Catalog/>) under each course description.

- ECN 100A, 100B, and 101 have prerequisites of ECN 1A, 1B; MAT 16A-16B, 17A-17B or 21A-21B
- ECN Advanced courses have prerequisites of at least ECN 100A, 100A and 100B, 101, and/or 102
- ECN Elective courses have prerequisites of ECN 1A and 1B

Year 2:

Fall	Winter	Spring	Summer I and/or II
ECN 100A (4)	ECN 102 (4)	ECN 100B or 101 (4)	
Open (4)	Open (4)	Open (4)	
Open (4)	Open (4)	Open (4)	
Open (4)	Open (4)	Open (4)	
Total: (16)	Total: (16)	Total: (16)	Total:

Year 3:

Fall	Winter	Spring	Summer I and/or II
ECN 100B or 101 (4)	ECN Advanced (4)	ECN Advanced (4)	
Upper Division UWP (4)	ECN History (4)	ECN Elective (4)	
Open (4)	Open (4)	Open (4)	
Open (4)	Open (4)	Open (4)	
Total: (16)	Total: (16)	Total: (16)	Total:

Year 4:

Fall	Winter	Spring	Summer I and/or II
ECN Advanced (4)	ECN Elective (4)	ECN Elective (4)	
Open (4)	Open (4)	Open (4)	
Open (4)	Open (4)	Open (4)	
Open (4)	Open (4)	Open (4)	
Total: (16)	Total: (16)	Total: (16)	Total:

In addition to your major requirements, you will need to complete university and college requirements. More information for the College of Letters and Science and their requirements can be found at: <https://www.ls.ucdavis.edu>.

Math Placement Examination: All students who register in MAT 12, 16A, 17A, or 21A are required to take the Math Placement Exam regardless if you passed MAT 12 (or an equivalent course elsewhere). More information about the exam can be found at: https://www.math.ucdavis.edu/undergrad/math_placement.

University of California, Davis
Economics Department
Sample 4-Year Academic Plan

University of California, Davis
Economics Department
Sample 4-Year Academic Plan

University of California, Davis
Economics Department

Sample 4-Year Academic Plan for Students Needing University Writing Courses

Year 1:

Fall	Winter	Spring	Summer I/II
MAT 16A, 17A or 21A (3-4)	MAT 16B, 17B or 21B (3-4)	STA 13 or equivalent (4)	
UWP 21 (4)	UWP 22 (4)	ELWR Course (4)	
GE not requiring Wrt. (4)	GE not requiring Wrt. (4)	GE not requiring Wrt. (4)	
GE not requiring Wrt. (4)	GE not requiring Wrt. (4)	GE not requiring Wrt. (4)	
Total: (15-16)	Total: (15-16)	Total: (16)	Total:

All prerequisite courses need to be completed before enrolling in upper division Economics courses.

Prerequisites can be found in the catalog (<https://ucdavis.pubs.curricunet.com/Catalog/>) under each course description.

- ECN 100A, 100B, and 101 have prerequisites of ECN 1A, 1B; MAT 16A-16B, 17A-17B or 21A-21B
- ECN Advanced courses have prerequisites of at least ECN 100A, 100A and 100B, 101, and/or 102
- ECN Elective courses have prerequisites of ECN 1A and 1B

Year 2:

Fall	Winter	Spring	Summer I/II
ECN 1A or ECN 1B (4)	ECN 1A or ECN 1B (4)	ECN 100A (4)	
Open (4)	Open (4)	Open (4)	
Open (4)	Open (4)	Open (4)	
Open (4)	Open (4)	Open (4)	
Total: (16)	Total: (16)	Total: (16)	Total:

Year 3:

Fall	Winter	Spring	Summer I/II
ECN 102 (4)	ECN 100B or 101 (4)	ECN 100B or 101 (4)	
Upper Division UWP (4)	ECN Elective (4)	ECN History (4)	
Open (4)	Open (4)	Open (4)	
Open (4)	Open (4)	Open (4)	
Total: (16)	Total: (16)	Total: (16)	Total:

Year 4:

Fall	Winter	Spring	Summer I/II
ECN Advanced (4)	ECN Advanced (4)	ECN Advanced (4)	
ECN Elective (4)	ECN Elective (4)	Open (4)	
Open (4)	Open (4)	Open (4)	
Open (4)	Open (4)	Open (4)	
Total: (16)	Total: (16)	Total: (16)	Total:

In addition to your major requirements, you will need to complete university and college requirements. More information for the College of Letters and Science and their requirements can be found at: <https://www.ls.ucdavis.edu>.

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