

# ECONOMICS SF SCHOLARS ROADMAP

This roadmap is a suggested plan of study and does not replace meeting with an advisor. Please note that students may need to adjust the actual sequence of courses based on course availability. Please consult an advisor in your major program for further guidance.

Course	Title	Units
<b>First Year</b>		
<b>Fall Semester</b>		
ENG 114	Writing the First Year: Finding Your Voice (A2) <sup>1</sup>	3
MATH 226	Calculus I (Major Core, B4) <sup>2</sup>	4
GE Area A <sup>3</sup>		3
GE Area C		3
Complementary Studies or SF State Studies or University Elective <sup>4</sup>		3
<b>Units</b>		<b>16</b>
<b>Spring Semester</b>		
ECON 101	Introduction to Microeconomic Analysis (Major Core, D1)	3
GE Area A		3
GE Area B: Physical Science (B1) and Laboratory Science (B3) <sup>5</sup>		3-4
GE Area E		3
Complementary Studies or SF State Studies or University Elective <sup>4</sup>		3
<b>Units</b>		<b>15-16</b>
<b>Second Year</b>		
<b>Fall Semester</b>		
ECON 102	Introduction to Macroeconomic Analysis (Major Core, D1)	3
GE Area B: Life Science (B2) and Laboratory Science (B3) <sup>5</sup>		3-4
GE Area C		3
Complementary Studies or SF State Studies or University Elective - Take Two <sup>4</sup>		6
<b>Units</b>		<b>15-16</b>
<b>Spring Semester</b>		
ECON 301	Intermediate Microeconomic Theory (Major Core)	3
Select One (Major Core):		3
DS 212	Business Statistics I	
ECON 311	Statistical Methods and Interpretation	
MATH 124	Elementary Statistics	
GE Area C		3
GE Area D		3

Complementary Studies or SF State Studies or University Elective <sup>4</sup>		3
<b>Units</b>		<b>15</b>
<b>Third Year</b>		
<b>Summer Semester</b>		
Complementary Studies or SF State Studies or University Elective - Take Two <sup>4</sup>		6
<b>Units</b>		<b>6</b>
<b>Fall Semester</b>		
ECON 302	Intermediate Macroeconomic Theory (Major Core)	3
ECON 312	Introduction to Econometrics	3
Major Upper-Division Electives (18 units) - Take One <sup>6</sup>		3
GE Area F <sup>±</sup>		3
GE Area UD-B: Upper-Division Physical and/or Life Sciences		3
<b>Units</b>		<b>15</b>
<b>Spring Semester</b>		
Major Upper-Division Electives (18 units) - Take Two <sup>6</sup>		6
GE Area UD-C: Upper-Division Arts and/or Humanities		3
GE Area UD-D: Upper-Division Social Sciences		3
U.S. and California Government ( <a href="http://bulletin.sfsu.edu/undergraduate-education/american-institutions/#usg">http://bulletin.sfsu.edu/undergraduate-education/american-institutions/#usg</a> )		3
<b>Units</b>		<b>15</b>
<b>Fourth Year</b>		
<b>Summer Semester</b>		
Complementary Studies or SF State Studies or University Elective - Take Two <sup>4</sup>		6
<b>Units</b>		<b>6</b>
<b>Fall Semester</b>		
ECON 701	Seminar: Microeconomic Theory (Graduate Core)	3
ECON 715	Mathematical Economics (Graduate Core)	3
Major Upper-Division Electives (18 units) - Take One <sup>6</sup>		3
Complementary Studies or SF State Studies or University Elective - Take Two <sup>4</sup>		6
<b>Units</b>		<b>15</b>
<b>Spring Semester</b>		
ECON 690GW	Senior Seminar: Economic Inquiry and Analysis - GVAR (Major Core)	3
ECON 702	Seminar: Macroeconomic Theory (Graduate Core)	3
Major Upper-Division Electives (18 units) - Take Two <sup>6</sup>		6
<b>Units</b>		<b>12</b>

**Fifth Year****Fall Semester**

ECON 731	Econometric Methods and Applications (Graduate Core)	3
Graduate Elective (6-12 units) - Take Two <sup>7</sup>		6
<b>Units</b>		<b>9</b>

**Spring Semester**

ECON 825	Applied Time Series Econometrics (Graduate Core)	3
ECON 830	Advanced Econometric Methods and Applications (Graduate Core)	3
Select One (Culminating Experience):		0-6
ECON 896EXM	Culminating Experience Examination	
ECON 898	Master's Thesis	
Graduate Elective (6-12 units) - Take Zero to Two <sup>7</sup>		0-6
<b>Units</b>		<b>12</b>
<b>Total Units</b>		<b>151-153</b>

<sup>1</sup> ENG 114 can only be taken if you complete Directed Self-Placement (DSP) and select ENG 114; if you choose ENG 104/ENG 105 through DSP you will satisfy A2 upon successful completion of ENG 105 in the second semester; multilingual students may be advised into alternative English courses.

<sup>2</sup> To determine the best B4 course option, students should complete the online advising activity at mathadvising.sfsu.edu (<https://mathadvising.sfsu.edu/>). Questions? Contact Gator Smart Start. (<https://gatorsmartstart.sfsu.edu/>)

<sup>3</sup> To avoid taking additional units, it is recommended that you meet the **SF State Studies** (AERM, GP, ES, SJ) requirements within your GE or major.

**4 Complementary Studies**

Bachelor of Arts students must complete at least 12 units of Complementary Studies outside of the primary prefix for the major. (Note: Students may not use an alternate prefix that is cross-listed with the primary prefix for the major.)

Students who complete two majors or a major and a minor automatically complete the Complementary Studies requirement. Alternatively, students in the Economics major can meet with a major advisor to determine which courses will satisfy the Complementary Studies requirement. Consult with your major advisor for assistance. Students who have earned AA-T or AS-T degrees and are pursuing a similar B.A. degree at SF State are required to fulfill the Complementary Studies requirement as defined by the major department. Students should consult with a major advisor about how transfer units and/or SF State units can best be applied to this requirement in order to ensure degree completion within 60 units.

<sup>5</sup> Consider taking a class combined with a laboratory or a separate lab to fulfill B3 if not already satisfied.

**6 Upper-Division Electives (18 Units)**

Economics majors are required to take six [upper-division](#) elective courses in economics. There are over 20 elective courses, including

some cross-listed courses with other programs, offered each year. [These elective courses can be taken in any order as long as the prerequisites are met.](#)

ECON 400 Economic and Social History of the United States (3 units)

ECON 450 Health Economics (3 units)

ECON 474/HIST 474/LABR 474 History of Labor in the United States (3 units)

ECON 500 Money and Banking (3 units)

ECON 505 Public Economics (3 units)

ECON 510/LABR 510 Labor Economics (3 units)

ECON 511/LABR 511 Collective Bargaining (3 units)

ECON 520 Industrial Organization (3 units)

ECON 540 Economics of Gender (3 units) (AERM, GP, SJ)

ECON 541 Economics of LGBTQ Issues (3 units)

ECON 550 Environmental Economics (3 units)

ECON 560 Economics of Growth (3 units)

ECON 605 Seminar: History of Economic Thought (3 units)

ECON 611 International Trade Theory and Policy (3 units)

ECON 612 International Finance and Macroeconomics (3 units) (GP)

ECON 616 Experimental Economics and Game Theory (3 units)

ECON 618 Economic Inference: Methods and Applications (3 units)

ECON 620 Economic Development (3 units)

ECON 635/I R 635 Economics of Globalization (3 units)

ECON 640 Health Economics Analysis and Research (3 units)

ECON 651/ENVS 651/FIN 651 Student Managed Fund in Environmental, Social and Governance (ESG) Investments (3 units)

ECON 675 Natural Resource Economics (3 units)

ECON 680 Applied Economics and Data Analysis with R (3 units)

ECON 699 Independent Study (1-3 units)

[Upon prior advisement, students may apply a maximum of two courses taken outside the Economics department to the elective requirement. Non-Economics courses approved by the department are included in the list of elective options below. Students should keep in mind that non-Economics courses may require additional prerequisites that are not met in the Economics degree or consent of the instructor.](#)

ACCT 301 Intermediate Financial Accounting I (3 units)

DS 311 Technologies in Data Analytics (3 units)

DS 312 Data Analysis with Computer Applications (3 units)

DS 408 Computer Simulation (3 units)

DS 412 Operations Management (3 units)

DS 612 Data Mining with Business Applications (3 units)

DS 624 Quality Management (3 units)

FIN 350 Business Finance (3 units)

FIN 536 International Finance (3 units)

GEOG 603 Introduction to Geographic Information Systems (3 units)  
 GEOG 604 Environmental Data Science (3 units)  
 I R 312 Introduction to International Political Economy (4 units)  
 ISYS 363 Information Systems for Management (3 units)  
 MATH 227 Calculus II (4 units)  
 MATH 228 Calculus III (4 units)  
 MATH 245 Elementary Differential Equations and Linear Algebra (3 units)  
 MATH 324 Probability and Statistics with Computing (3 units)  
 MATH 325 Linear Algebra (4 units)  
 MATH 338 Introduction to SAS (3 units)  
 MATH 376 Ordinary Differential Equations I (3 units)  
 MATH 400 Numerical Analysis (3 units)  
 MATH 424 Introduction to Linear Models (3 units)  
 MATH 440 Probability and Statistics I (3 units)  
 MATH 441 Probability and Statistics II (3 units)  
 MATH 448 Introduction to Statistical Learning and Data Mining (3 units)

<sup>7</sup> **Graduate Electives (6-12 units)**

A maximum of two courses may be taken outside the economics department in an applied field or interdisciplinary study upon advisement. No more than two electives may be upper-division undergraduate courses, and at least one elective must be a graduate course. All electives require prior approval from an advisor. The number of elective units required is dependent on the culminating experience chosen.

± Given catalog rights, fall 2023 transfer students do not need to complete an Area F course.