USC Dornsife
Department of Economics

STUDENT _____

ECONOMICS/MATHEMATICS, B.S.

for USC Catalogue year 2023-2024 and later

USCID _____

	SEMESTER	GRADE	UNITS
ECONOMICS REQUIREMENTS			***Grade of C or higher required**
ECON 203 Principles of Microeconomics *Satisfies GE-F Quantitative Reasoning*			4
ECON 205 Principles of Macroeconomics *Satisfies GE-F Quantitative Reasoning*			4
ECON 303 Intermediate Microeconomic Theory* *Prerequisite: ECON 203 & MATH 118/125*			4
ECON 305 Intermediate Macroeconomic Theory* *Prerequisite: ECON 203, 205, & MATH 118/125*			4
ECON 318 Introduction to Econometrics* *Prerequisite: MATH 307+308, or MATH 407 with MATH 408 strongly recommended*			4
ECON 400-level course: _____ *Prerequisite varies*			4
ECON 400-level course: _____ *Prerequisite varies*			4
MATHEMATICS REQUIREMENTS			***Grade of C or higher required**
MATH 126 Calculus II *Prerequisite: MATH 125. Satisfies GE-F Quantitative Reasoning.*			4
MATH 226 Calculus III *Prerequisite: MATH 126/127/129. Satisfies GE-F Quantitative Reasoning.*			4
☐ MATH 225 Linear Algebra & Differential Equations *Prerequisite: MATH 126/127/129* or ☐ MATH 245 Mathematics of Physics & Engineering *Prerequisite: MATH 226/227/229*			4
Choose one track, MATH 307 & 308 or MATH 407 & 408, from below:			
☐ MATH 307 Statistical Inference & Data Analysis I* *Prerequisite: MATH 118/125/126/127/129*			
☐ MATH 308 Statistical Inference & Data Analysis II* *Prerequisite: MATH 307*			
☐ MATH 407 Probability Theory* *Prerequisite: MATH 226/227/229*			4
☐ MATH 408 Mathematical Statistics* *Prerequisite: MATH 407*			4
MATH 400-level course: _____ *Prerequisite varies*			4
MATH 400-level course: _____ *Prerequisite varies*			4
INFORMATION TECHNOLOGY PROGRAM REQUIREMENTS			
☐ ITP 115 Programming in Python, ☐ ITP 116 Accelerated Programming in Python, or ☐ ITP 165 C++ Programming *Does not count toward Dornsife College unit requirement*			2
ITP 249 Introduction to Data Analytics *Does not count toward Dornsife College unit requirement*			4
		MAJOR UNIT TOTAL	**62**

All major courses must be completed for Letter Grades. A minimum GPA of 2.0 in upper-division major courses is required. This is a guide to major requirements only. For additional degree requirements, visit the USC Catalogue at catalogue.usc.edu.

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ECONOMICS/MATHEMATICS

Bachelor of Science

CHAIR
Romain Ranciere, Ph.D.

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Mark Moore, Ph.D.

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Linda Mora

FIRST-YEAR ADVISORS
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Dahlie Conferido
Lisa Perkins
Nicole Srednick

STUDENT PROGRAMS ADVISOR
Karina Chicas

PROFESSIONAL ORGANIZATIONS
American Economic Association
www.aeaweb.org

International Economic Development Council
www.iedconline.org

CONTACT
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SOCIAL MEDIA
Twitter/X: @USC_Econ

www.linkedin.com/school/usc-dornsife-department-of-economics

In the age of "Big Data," the Department of Economics offers one of the largest and most dynamic undergraduate majors in Dornsife College. Ranked #23 nationally (REPEC), we are an international leader in econometrics, development economics, and experimental economics; and in recent years we have accelerated our growth in macroeconomics and applied economics. Economic theory is intertwined with practical models to address concepts across disciplinary boundaries.

CAREER OPPORTUNITIES AND RELATED OCCUPATIONS Economics/Mathematics majors learn to perform complex calculations, create models, interpret data, identify patterns, and draw conclusions. In addition, they must communicate effectively to share findings with a variety of audiences. Some careers that value these skills are economist, market research analyst, economic consultant, management consultant, compensation and benefits manager, actuary, financial analyst, and policy analyst. Prospective industries include research and consulting firms, businesses, government entities, healthcare, and non-profit organizations. The quantitative depth of this degree is especially desirable in graduate-level studies, including doctoral economics and finance programs.

JOB OUTLOOK According to the U.S. Bureau of Labor Statistics[1], between now and 2032 employment of economists is projected to grow by 6%, financial analysts is projected to grow by 8%, and market research analysts is projected to grow by 13% — all of which are faster than the average for U.S. occupations. Growth for actuaries is projected to grow by 23%, which is much faster than average.

RESEARCH OPPORTUNITIES Qualified undergraduates may enroll in supervised individual research courses. Additionally, faculty may hire undergraduates as research assistants to help with data collection and econometric analysis. The Los Angeles Behavioral Economics Laboratory (LABEL) offers research assistantships in Experimental Economics and Neuroeconomics. Economics is also home to the Center for Applied Financial Economics (CAFE), Center for Economic and Social Research (CESR), and the Institute for Economic Policy Research (IEPR).

STUDENT ORGANIZATIONS The Undergraduate Economics Association connects students with faculty, alumni, and peers beyond the classroom. Omicron Delta Epsilon (ODE) is the international economics honors society. The national organization sponsors academic competitions and rewards research and service. The local chapter organizes events including panel discussions and networking. The *USC Economics Review* is an academic publication run by an undergraduate editorial board and offers students analysis on scholarly topics including economic policy and everyday phenomena.

[1]Bureau of Labor Statistics, U.S. Department of Labor. *Occupational Outlook Handbook*. Retrieved from https://www.bls.gov/ooh