

# BACHELOR OF SCIENCE IN ECONOMICS

The economics major provides in depth exposure to the fundamental economic way of thinking and approaching a multitude of complex problems. Students will be exposed to micro and macro-economic theory, data science and analysis (econometrics), and relevant field courses throughout the program of study. Field courses cover a variety of topics such as Health Economics, Economics of Trade, Development Economics, and Environmental Economics.

The courses included in the major allow students to diversify their analytical skill sets with practice in computation and data analysis, fundamental economic theory, and empirical methods. The economics minor provides excellent concrete data science skills directly applicable for pursuing careers in multiple sectors.

Code	Title	Credit Hours
<b>Wellness Requirement</b>		
APPH 1040	Scientific Foundations of Health	2
	or APPH 10 The Science of Physical Activity and Health	
	or APPH 10 Flourishing: Strategies for Well-being and Resilience	
<b>Core IMPACTS</b>		
<b>Institutional Priority</b>		
CS 1315	Introduction to Media Computation	3
	or CS 1301 Introduction to Computing	
<b>Mathematics and Quantitative Skills</b>		
MATH 1712	Survey of Calculus	4
	or MATH 1552 Integral Calculus	
<b>Political Science and U.S. History</b>		
HIST 2111	The United States to 1877	3
	or HIST 2112 The United States since 1877	
	or INTA 1200 American Government in Comparative Perspective	
	or POL 1101 Government of the United States	
	or PUBP 3000 American Constitutional Issues	
<b>Arts, Humanities, and Ethics</b>		
Any HUM		6
<b>Communicating in Writing</b>		
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
<b>Technology, Mathematics, and Sciences</b>		
Lab Science		4
Lab Science		4
MATH 1711	Finite Mathematics	4
	or MATH 1511 Differential Calculus & MATH 1512 Introduction to Linear Algebra	
<b>Social Sciences</b>		
Any SS		9
<b>Field of Study</b>		
ECON 2105	Principles of Macroeconomics <sup>3</sup>	3
ECON 2106	Principles of Microeconomics <sup>3</sup>	3
ECON 2250	Statistics for Economists	3
INTA 1000-	or 2000-level courses	3

Engineering or Science Elective <sup>1</sup>	3
Second Tech Course <sup>2</sup>	3
<b>Major Requirements</b>	
ECON 3110 Advanced Microeconomic Analysis <sup>3</sup>	3
ECON 3120 Advanced Macroeconomic Analysis <sup>3</sup>	3
ECON 3161 Econometric Analysis <sup>3</sup>	3
<b>ECON Electives</b>	
Any ECON <sup>3</sup>	18
<b>Non-Major Cluster</b>	
Non-Major Cluster <sup>4,5</sup>	12
<b>Free Electives</b>	
Free Electives <sup>5</sup>	20
<b>Total Credit Hours</b>	<b>122</b>

Pass-fail only allowed for Free Electives.

Students must complete 39 hours of upper level (3000-/4000-level) courses. This requirement may be satisfied with a combination of major requirements, ECON electives, Non-Major Cluster courses and/or free electives.

<sup>1</sup> 1000- or 2000-level course from the College of Engineering or College of Sciences. Please consult with advisor.

<sup>2</sup> Must be selected from: CEE 1770 or CS 1316 or CS 1331 or CS 1332 or ECE 2030 or ME 1770 or ME 2016 or MGT 2210

<sup>3</sup> Minimum grade of C required.

<sup>4</sup> All twelve credit hours must come from the same discipline, or be part of a coherent theme. Please consult with advisor on course selection.

<sup>5</sup> Courses may be applied toward completion of a minor.

## International Plan

All degree programs offered by the School of Economics including the BS degree in Economics offer an International Plan (IP) Designation. In general the IP designation can be obtained by completing courses in three specified area:

1. Students are required to complete a general course in Global Economics.
2. Students are also required to complete a region specific course. Any number of International Affairs course can be used to fulfill this requirement
3. Student are also required to complete a capstone course rounding out the international experience. The IP designation also requires students to become proficient in a language as well as spending at least twenty-six weeks in a foreign culture enrolled in school and/or participating in an internship experience.

## Research Option

The School of Economics also participates in the Research Option plan offered by the Undergraduate Research Opportunities Program (UROP). The Research Option offers students the opportunity for in-depth research experience working under the guidance of a faculty mentor. Requirements for participation in the Research Option include completing nine hours of undergraduate research, at least six of which are on the same topic, writing a research proposal, taking two 1-hour courses: LMC 4701 (typically taken during the first or second semester

of research) and LMC 4702 (taken during the term in which the thesis is written), and completing the thesis.

## **BS/MS in Economics**

Students with a GPA of 3.25 or higher in ECON courses are eligible to apply for the program after completion of 30 semester credit hours at Georgia Tech, but before the completion of 75 semester credit hours, including transfer and advanced placement credits. Students who have more than 75 credit hours will be considered for the program on a case-by-case basis. Admissions decisions will be based on GPA and judgments of the Graduate Committee and faculty who have served as advisors or instructors. Continuation in the program will require the B.S. student to maintain a GPA of 3.25 or higher in their ECON courses. The program will not penalize students who opt out after the bachelor's degree.

Students in the BS-MS ECON program will take 6 hours of ECON electives at the 6000 level which will be used toward ECON electives in the BS in Economics program and may be used toward core requirements or electives in the MS in Economics program. Prior to enrolling in 6000-level ECON courses, students will be required to complete ECON 3110 Advanced Microeconomics, ECON 3120 Advanced Macroeconomics, and ECON 3161 Econometrics.

Students are encouraged to take 6 credit hours from the MSECORE core courses (ECON 6105, ECON 6106, ECON 6140, or ECON 6160) during enrollment as a BS student. However, they will have flexibility to enroll in any 6000 ECON course whose prerequisite requirements they have met.