

Economics (BA)

The Bachelor of Arts in Economics (B.A.) is a broad and flexible program of study. The major course work for the B.A. in Economics includes courses in economic theory, mathematics and statistics as well as courses in advanced, applied economics. The program provides for substantial flexibility, so students may tailor their studies to their particular interests and long-term goals.

Both economics degrees require that students complete 120 credits towards the degree. All Economics majors are subject to the university and college's residency requirements. Additionally, students in the Economics majors (B.A. or B.S.) must earn at least 1/2 of their required economics (EC) credits while enrolled in the curriculum, and students must complete at least one-half of the required economics credit hours (EC courses) at NC State University.

Economics Department

Poole College of Management
4172 Nelson Hall
Raleigh, NC 27695
919.515.5565
Website (<https://poole.ncsu.edu/economics/>)

Denis Pelletier

Department Head and Professor
Department of Economics

Plan Requirements

Overall GPA *for all courses* attempted at NC State must be 2.0 or higher; and

Overall GPA *for all EC and ECG* courses attempted at NC State must be 2.0 or higher

Code	Title	Hours
Major Requirements		
M 100 or M 120	Personal and Professional Identity Development Professional Development and Career Planning	1
MIE 201	Introduction to Business	3
ACC 210	Concepts of Financial Reporting	3
EC 201 or EC 205 or ARE 201	Principles of Microeconomics Fundamentals of Economics Introduction to Agricultural & Resource Economics	3
EC 301	Intermediate Microeconomics	3
EC 302	Intermediate Macroeconomics	3
EC 351	Econometrics I	3
EC 490	Research Seminar in Economics	3
Business Analytics		
BUS 340	Information Systems Management	3
BUS 351	Introduction to Business Analytics	3
Economics Electives		
400/500 Level Econ Electives (p. 2)		6
300/400/500 Level EC Electives (p. 2)		6
Humanities and Social Sciences		
Acad Writing and Research (p. 2) ¹		4
Select one of the following:		3

COM 110	Public Speaking	
COM 112	Interpersonal Communication	
COM 211	Argumentation and Advocacy	
GEP Social Sciences (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-social-sciences/)		3
Select one of the following:		3
ENG 331	Communication for Engineering and Technology	
ENG 332	Communication for Business and Management	
ENG 333	Communication for Science and Research	
GEP Humanities (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/)		6
GEP Elective (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/)		3
Mathematical and Natural Sciences		
GEP Natural Sciences (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-natural-sciences/)		7
Select one of the following: ¹		3
MA 131 or MA 141 are encouraged for students who qualify and aspire to take additional calculus. For students completing the MA 141/241/242 sequence, one credit hour of MA 141 will count as free elective credit, MA 241 will count as free elective credit and MA 242 will substitute for MA 114.		
MA 121	Elements of Calculus	
MA 131	Calculus for Life and Management Sciences A	
MA 141	Calculus I	
MA 114 or MA 242	Introduction to Finite Mathematics with Applications Calculus III	3
BUS/ST 350 or ST 312 or ST 370 or ST 372	Economics and Business Statistics Introduction to Statistics II Probability and Statistics for Engineers Introduction to Statistical Inference and Regression	3
ST 307 or ST 308	Introduction to Statistical Programming- SAS Introduction to Statistical Programming - R	1
Interdisciplinary Perspectives		
GEP Interdisciplinary Perspectives (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-interdisciplinary-perspectives/)		2
Physical Education		
GEP Health and Exercise Studies (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/)		2
Corequisites		
GEP Global Knowledge (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-global-knowledge/) (verify requirement)		
GEP Foundations of American Democracy (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-fad/) (verify requirement)		
World Language Proficiency (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/world-language-proficiency/) (verify requirement)		
Advised Electives		
Advised Electives ^{2,4}		15
Free Electives		

Free Electives (12 Hr S/U Lmt) ^{2,3}	22
Total Hours	120

¹ C- or better

² Students should consult their academic advisors to determine which courses fill this requirement.

³ Free Electives: (22 credits) Some courses will not count as free electives, such as FL 101 or 105 (in the language in which proficiency requirement is met), or MA 101, 101, 103, 105. (12 hours of free electives may be taken for credit only.)

⁴ Students are urged to discuss these courses with their adviser and to consider using these electives to pursue a minor. Chosen from any university course offerings except FL 101 or 105 (in the language in which proficiency requirement is met), or MA 101, 103, 105 or HES courses. Certain courses may not be taken in combination with other courses of similar content - see course catalog for instructions.

400/500 Level Econ Electives

Code	Title	Hours
ECG 505	Essential Economics for Managers	3
ECG 515	Environmental and Resource Policy	3
ECG 528	Options and Derivatives Pricing	3
ECG 530	Topics in Labor Economics	3
ECG 537	Health Economics	3
ECG 540	Economic Development	3
ECG 548	International Economics	3
ECG 561	Applied Econometrics I	3
ECG 562	Applied Econometrics II	3
ECG 563	Applied Microeconometrics	3
ECG 590	Special Economics Topics	1-6
FIM 528	Options and Derivatives Pricing	3
MA 528	Options and Derivatives Pricing	3
MBA 528	Options and Derivatives Pricing	3
ST 561	Applied Econometrics I	3

Econ Electives II A

EC 404	Money, Financial Markets, and the Economy	3
EC 410	Public Finance	3
EC 413	Industrial Organization	3
EC 431	Labor Economics	3
EC 437	Health Economics	3
EC 448	International Trade	3
EC 449	International Finance	3
EC 451	Econometrics II	3
EC 468	Game Theory	3
EC 474	Economics of Financial Institutions and Markets	3
EC 495	Special Topics in Economics	1-6

300/400/500 Level EC Electives

Code	Title	Hours
Econ Electives I		
ARE 336	Introduction to Resource and Environmental Economics	3
EC 336	Introduction to Resource and Environmental Economics	3

Econ Electives I A

ARE 336	Introduction to Resource and Environmental Economics	3
EC 305	A Closer Look at Capitalism	3
EC 336	Introduction to Resource and Environmental Economics	3
EC 348	Introduction to International Economics	3

Econ Electives II

ECG 505	Essential Economics for Managers	3
ECG 515	Environmental and Resource Policy	3
ECG 528	Options and Derivatives Pricing	3
ECG 530	Topics in Labor Economics	3
ECG 537	Health Economics	3
ECG 540	Economic Development	3
ECG 548	International Economics	3
ECG 561	Applied Econometrics I	3
ECG 562	Applied Econometrics II	3
ECG 563	Applied Microeconometrics	3
ECG 590	Special Economics Topics	1-6
FIM 528	Options and Derivatives Pricing	3
MA 528	Options and Derivatives Pricing	3
MBA 528	Options and Derivatives Pricing	3
ST 561	Applied Econometrics I	3

Econ Electives II A

EC 404	Money, Financial Markets, and the Economy	3
EC 410	Public Finance	3
EC 413	Industrial Organization	3
EC 431	Labor Economics	3
EC 437	Health Economics	3
EC 448	International Trade	3
EC 449	International Finance	3
EC 451	Econometrics II	3
EC 468	Game Theory	3
EC 474	Economics of Financial Institutions and Markets	3
EC 495	Special Topics in Economics	1-6

Acad Writing and Research

Code	Title	Hours
Acad Writing Research		
ENG 101	Academic Writing and Research	4
WLEN 101	Academic Writing and Research	4
Transfer Sequence		
ENG 202	Disciplinary Perspectives in Writing	3
ENG 1GEP		3

Semester Sequence

This is a sample.

First Year

Fall Semester		Hours
M 100 or M 120	Personal and Professional Identity Development ¹ or Professional Development and Career Planning	1
ENG 101	Academic Writing and Research (or GEP Natural Sciences (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-natural-sciences/) with Lab) ^{2,3}	4
MA 121 or MA 131 or MA 141	Elements of Calculus or Calculus for Life and Management Sciences A or Calculus I	3
MIE 201	Introduction to Business	3
GEP Health and Exercise Studies (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/)		1
Free Elective		3
World Language Proficiency (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/world-language-proficiency/)		0
Hours		15

Spring Semester

MA 114 or MA 242	Introduction to Finite Mathematics with Applications or Calculus III	3
GEP Humanities (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/)		3
ENG 101	Academic Writing and Research (or GEP Natural Sciences (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-natural-sciences/) with lab) ¹	4
EC 201 or EC 205 or ARE 201	Principles of Microeconomics ¹ or Fundamentals of Economics or Introduction to Agricultural & Resource Economics	3
ACC 210	Concepts of Financial Reporting	3
Global Knowledge		0
Hours		16

Second Year

Fall Semester		Hours
EC 301	Intermediate Microeconomics	3
COM 110 or COM 112 or COM 211	Public Speaking or Interpersonal Communication or Argumentation and Advocacy	3
ST 350	Economics and Business Statistics	3
BUS 340	Information Systems Management	3
GEP Interdisciplinary Perspectives (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-interdisciplinary-perspectives/)		2
GEP Health and Exercise Studies (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/)		1
Foundations of American Democracy		0
Hours		15

Spring Semester

EC 302	Intermediate Macroeconomics	3
EC 351	Econometrics I	3
BUS 351	Introduction to Business Analytics	3
GEP Humanities (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/)		3
GEP Elective (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/)		3
ST 307 or ST 308	Introduction to Statistical Programming-SAS or Introduction to Statistical Programming - R	1
Hours		16

Third Year

Fall Semester		Hours
Economics Elective (p. 1)		6
ENG 331 or ENG 332 or ENG 333	Communication for Engineering and Technology or Communication for Business and Management or Communication for Science and Research	3
Free Electives		6
Hours		15

Spring Semester

Economics Elective (p. 1)		3
GEP Social Sciences (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-social-sciences/) ¹⁷		3
Select two Advised Electives (p. 1)		6
Free Electives		3
Hours		15

Fourth Year

Fall Semester		Hours
Economics Elective (p. 1)		3
Select two Advised Electives (p. 1)		6
Free Elective		6
Hours		15

Spring Semester

EC 490	Research Seminar in Economics	3
Advised Elective (p. 1)		3
Free Electives		4
GEP Natural Sciences (https://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-natural-sciences/)		3
Hours		13
Total Hours		120

¹ Must be completed with "C-" or better.

GPA Graduation Requirements

- Overall GPA *for all courses* attempted at NC State must be 2.0 or higher; and
- Overall GPA *for all EC and ECG* courses attempted at NC State must be 2.0 or higher

Career Opportunities

An undergraduate degree in economics has long served as the foundation for advanced professional degrees in law and business, graduate study in economics, as well as jobs in business, industry and government.

Career Titles

- Actuary
- Administrative Service Manager
- Business Professor
- Community Outreach Manager
- Compensation Administrator
- Compensation Specialist
- Customer Service Supervisor
- Economics Professor
- Economist
- Employment Administrator
- Environmental Economists
- Environmental Research Analyst
- Equal Opportunity Representative
- Event / Convention Planner
- Financial Analyst
- Financial Examiner
- Financial Planner
- Fundraising Manager
- Government Budget Analyst
- Government Service Executives
- Insurance Claim Examiner
- Intelligence Specialist (Government)
- Internal Auditor
- Investment Fund Managers
- Management Analyst
- Market Research Analyst
- Marketing Managers
- Occupational Analyst
- Operations Research Analyst
- Personnel Administrator
- Product Planner
- Public Relations Manager
- Public Relations Specialist
- Retail Buyer
- Retail Sales Department Supervisor
- Social and Community Service Managers
- Sociologist
- Survey Researchers
- Tax Assessor
- Transportation Planners
- Urban and Regional Planner

Learn More About Careers

NCcareers.org (<https://nccareers.org/>)

Explore North Carolina's central online resource for students, parents, educators, job seekers and career counselors looking for high quality job and career information.

Occupational Outlook Handbook (<https://www.bls.gov/ooh/>)

Browse the Occupational Outlook Handbook published by the Bureau of Labor Statistics to view state and area employment and wage statistics. You can also identify and compare similar occupations based on your interests.

Career One Stop Videos (<https://www.careeronestop.org/>)

View videos that provide career details and information on wages, employment trends, skills needed, and more for any occupation. Sponsored by the U.S. Department of Labor.

Focus 2 Career Assessment (<https://careers.dasa.ncsu.edu/explore-careers/career-assessments/>) (NC State student email address required)

This career, major and education planning system is available to current NC State students to learn about how your values, interests, competencies, and personality fit into the NC State majors and your future career. An NC State email address is required to create an account. Make an appointment with your career counselor (<https://careers.dasa.ncsu.edu/about/hours-appointments/>) to discuss the results.

Focus 2 Apply Assessment (<https://www.focus2career.com/Portal/Register.cfm?SID=1929>) (Available to prospective students)

A career assessment tool designed to support prospective students in exploring and choosing the right major and career path based on your unique personality, interests, skills and values. Get started with Focus 2 Apply and see how it can guide your journey at NC State.

American Economic Association (<https://www.aeaweb.org/students/Careers.php>)