

Economics (BA): Finance Concentration

All economics students complete core courses in microeconomics and macroeconomics, as well as specialized elective courses in labor economics, industrial organization, game theory, international economics, econometrics and finance. Poole's undergraduate economics program gives students the quantitative tools and critical thinking skills that prepare them for post-graduate study or careers in business, finance, government, public policy and more. What sets NC State's economics major apart is the training in analytical methods, and focus on economic theory and business skills, to provide students opportunities in many career paths.

Finance is at the core of every business in every industry. Whether an entrepreneur is developing a new business or growing an existing one, whether a corporation is launching a new product or a portfolio manager is considering new investments, finance provides tools to evaluate these decisions. At large, finance provides the framework for understanding how businesses, financial institutions as well as individual investors make decisions in accessing and deploying capital (money). As businesses are ever more complex, the tools to help make financial decisions become ever more important.

The concentration's curriculum explores the topics of financial analysis, capital markets and financial intermediaries, business and project evaluation, personal finance, and international finance – all of which prepare students to answer complex finance questions.

Economics Department

Poole College of Management

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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	Personal and Professional Identity Development	1
MIE 201	Introduction to Business	3
ACC 210	Concepts of Financial Reporting	3
EC 205	Fundamentals of Economics	3
or EC 201	Principles of Microeconomics	
or ARE 201	Introduction to Agricultural & Resource Economics	
EC 301	Intermediate Microeconomics	3
EC 302	Intermediate Macroeconomics	3
EC 351	Econometrics I	3

EC 490	Research Seminar in Economics	3
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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. 3) ¹	4
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Select one of the following:	3
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COM 110	Public Speaking
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COM 112	Interpersonal Communication
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COM 211	Argumentation and Advocacy
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GEP Social Sciences (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-social-sciences/)	3
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Select one of the following:	3
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ENG 331	Communication for Engineering and Technology
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ENG 332	Communication for Business and Management
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ENG 333	Communication for Science and Research
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GEP Humanities (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/)	6
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GEP Elective (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/)	3
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Mathematical and Natural Sciences

GEP Natural Sciences (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-natural-sciences/)	7
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Select one of the following:	3
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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
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MA 131	Calculus for Life and Management Sciences A
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MA 141	Calculus I
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MA 114	Introduction to Finite Mathematics with Applications	3
or MA 242	Calculus III	

BUS/ST 350	Economics and Business Statistics	3
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or ST 312	Introduction to Statistics II
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or ST 370	Probability and Statistics for Engineers
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or ST 372	Introduction to Statistical Inference and Regression
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ST 307	Introduction to Statistical Programming- SAS	1
or ST 308	Introduction to Statistical Programming - R	

Interdisciplinary Perspectives

GEP Interdisciplinary Perspectives (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-interdisciplinary-perspectives/)	2
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Physical Education

GEP Health and Exercise Studies (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/)	2
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Corequisites

GEP Global Knowledge (<http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-global-knowledge/>) (verify requirement)

GEP Foundations of American Democracy (<http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-fad/>) (verify requirement)

Concentration		
BUS 320	Financial Management	3
BUS 420	Financial Management of Corporations	3
BUS 422	Investments and Portfolio Management	3
Concentration Electives- Select two of the following:		6
BUS 423	Advanced Investments	
BUS 425	Advanced Personal Financial Management	
BUS 426	International Financial Management	
BUS 427	Capital Markets Essentials	
BUS 428	Financial Analytics	
BUS 429	Financial Modeling	
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: 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.)

400/500 Level Econ Electives

Code	Title	Hours
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 580	Course ECG 580 Not Found	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 449	International Finance	3
EC 451	Econometrics II	3

EC 468	Game Theory	3
EC 474	Economics of Financial Institutions and Markets	3
EC 490	Research Seminar in Economics	3
EC 495	Special Topics in Economics	1-6
EC 498	Independent Study 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
EC 351	Econometrics I	3
Econ Electives II		
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 449	International Finance	3
EC 451	Econometrics II	3
EC 468	Game Theory	3
EC 474	Economics of Financial Institutions and Markets	3
EC 490	Research Seminar in Economics	3
EC 495	Special Topics in Economics	1-6
EC 498	Independent Study in Economics	1-6

Acad Writing and Research

Code	Title	Hours
Acad Writing Research		
ENG 101	Academic Writing and Research	4
FLE 101	Academic Writing and Research	4
Transfer Sequence		
ENG 202	Disciplinary Perspectives in Writing	3
ENG 1GEP	Course ENG 1GEP Not Found	3
First Year		
Fall Semester		Hours
M 100	Personal and Professional Identity Development	1
ENG 101	Academic Writing and Research (or GEP Natural Sciences (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-natural-sciences/) with Lab) ¹	4
MA 121 or MA 131 or MA 141	Elements of Calculus ² or Calculus for Life and Management Sciences A or Calculus I	3
MIE 201	Introduction to Business	3
GEP Health and Exercise Studies (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/)		1
Free Elective		3
FL Proficiency		0
Hours		15
Spring Semester		
MA 114 or MA 242	Introduction to Finite Mathematics with Applications or Calculus III	3
GEP Humanities (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/)		3
ENG 101	Academic Writing and Research (or GEP Natural Sciences (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-natural-sciences/) with lab) ¹	4
EC 205 or EC 201 or ARE 201	Fundamentals of Economics or Principles of Microeconomics or Introduction to Agricultural & Resource Economics	3
ACC 210	Concepts of Financial Reporting	3
Global Knowledge		0
Hours		16
Second Year		
Fall Semester		
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 (<http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-interdisciplinary-perspectives/>) 2

GEP Health and Exercise Studies (<http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/>) 1

Hours		15
Spring Semester		
EC 302	Intermediate Macroeconomics	3
EC 351	Econometrics I	3
BUS 320	Financial Management	3
BUS 351	Introduction to Business Analytics	3
GEP Elective (http://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		
Economics Elective (p. 1)		6
BUS 420	Financial Management of Corporations	3
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		3

Hours		15
Spring Semester		
Economics Elective (p. 1)		3
BUS 422	Investments and Portfolio Management	3
GEP Humanities (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/)		3
GEP Social Sciences (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-social-sciences/)		3
Free Electives		3

Hours		15
Fourth Year		
Fall Semester		
Economics Elective (p. 1)		3
Concentration Elective		3
Free Elective		9

Hours		15
Spring Semester		
EC 490	Research Seminar in Economics	3
Concentration Elective		3
Free Electives		4
GEP Natural Sciences (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-natural-sciences/)		3

Hours		13
Total Hours		120

¹ ENG 101 must be completed with "C-" or better.

² 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.

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>)