Albion College

Economics Major and Mathematics/Economics Major

The Economics major prepares students for careers in government and (after appropriate work experience) for top-30 MBA programs, requiring strong quantitative reasoning skills. The mathematics/economics major prepares students for highly paid jobs in business strategy consulting, master's programs in financial engineering, Ph.D. programs in economics, and (after appropriate work experience) top-10 MBA programs.

ECONOMICS MAJOR

8 E&M classes plus two cognates

Required:
E&M 101 Principles of Microeconomics
E&M 102 The Economy and Financial Markets
E&M 202 Intermediate Macroeconomics
E&M 209 Intermediate Microeconomics with Calculus
E&M 300 Econometrics

Three units selected from the following:
E&M 273 Environmental and Natural
 Resource Economics
E&M 309 Mathematical Economics
E&M 345 Money and Banking
E&M 346 Financial Markets
E&M 365 International Finance
E&M 366 International Trade
E&M 371 Issues in Modern Political Economy
E&M 372 Governmental Economics
E&M 374 Labor Economics
E&M 375 Health Economics
E&M 389 Selected Topics (with permission
 of the E&M Department chair)

Two cognates:
Math 141 Calculus of a Single Variable I or
 Math 143 Calculus of a Single Variable II
 or Math 245 Multivariate Calculus
E&M 200 Economic Statistics or Math 209
 An Introduction to Statistics or Math 309
 Mathematical Statistics

ALUMNI HIGHLIGHT

John Pearce '11, CFA, is a portfolio manager at Illinois Municipal Retirement Fund. IMRF serves nearly 500,000 employees representing more than 3,000 employers throughout Illinois. IMRF is nationally recognized for excellence in the public pension community having received the Malcolm Baldrige National Quality Award in 2019 and maintaining an actuarial funding ratio near 100%. Pearce joined IMRF in 2019 to launch an internal equity management program and brings his experience in quantitative portfolio management to provide cost-efficient exposure to beneficial factor premia for the fund. Pearce and his team were responsible for ~$5 billion of assets representing ~10% of IMRF's total portfolio.

Previously, Pearce served as director of quantitative research for NorthPointe Capital where he oversaw the development of quantitative models and application to domestic equity strategies. Pearce graduated with an MBA from the University of Chicago Booth School of Business as a Wallman Scholar (High Honors), with concentrations in analytic finance and behavioral science.

He completed his undergraduate degree in mathematics and economics, Phi Beta Kappa at Albion College. Pearce is a member of the CFA Society of Chicago and Chicago Quantitative Alliance, and was recognized in Chief Investment Officer magazine's Class of 2023 NextGens.

MATHEMATICS/ECONOMICS MAJOR
13.5 units

Required:
E&M 101 Principles of Microeconomics
E&M 102 The Economy and Financial Markets
E&M 202 Intermediate Macroeconomics
E&M 209 Intermediate Microeconomics with Calculus
E&M 300 Econometrics
E&M 309 Mathematical Economics
MATH 141 Calculus of a Single Variable I
MATH 143 Calculus of a Single Variable II
MATH 239 Discrete Structures
MATH 245 Multivariate Calculus
MATH 247 Differential Equations and Linear Algebra
MATH 299 and 399 Colloquium in Mathematics
   and Computer Science (0.25 units each)
MATH 309 Mathematical Statistics

Choose one course from the following:
MATH 326 Operations Research
MATH 331 Real Analysis
MATH 360 Mathematical Modeling

FACULTY

Jon A. Hooks, Professor
B.S., 1984, Cameron University
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M.A., 1987, Ph.D., 1989, Michigan State University
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Seolah Kim, Assistant Professor
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Robinson 116

Samantha White '20, was a mathematics and economics major and a statistics minor. She was a member of both Omicron Delta Epsilon and Kappa Mu Epsilon, national academic honor societies in economics and mathematics. Samantha was also part of Delta Gamma, a Greek women's organization, and was a tutor in mathematics.

As a student she interned at Merrill Lynch, where she learned the details of the wealth management industry by working closely with current financial advisors. Samantha is now a registered financial advisor with Merrill Lynch in Auburn Hills, MI.

"Albion has allowed me to major in two rigorous subjects with the interdepartmental major. The professors at Albion have shown an immense amount of support and have gone out of their way to help me with whatever it was that I needed, including resume help and searching for internships. Albion, due to the professors and the classes geared toward exactly what you want to learn, is simply incomparable."

FOR MORE INFORMATION
We welcome your questions about economics and mathematics at Albion College

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