

CAREER INFUSED DEGREE MAP

Bachelor of Science: Economics & Mathematics

Total Credits: 122

The BS program equips students with the necessary competencies for successful careers in corporations, government, or non-profit organizations, education, and research. The career infused degree map allows students to commit to their career exploration by aligning coursework with career readiness milestones.

FRESHMAN

ACADEMICS

CAREER READINESS

CREDITS

- 3
- ENG 111 - English Composition I
- 3
- ECO 166 - Introduction of Macroeconomics
- 4
- MAT 171 - Elements of Precalculus or MAT 172 - Precalculus
- 3
- Required Core - Life and Physical Sciences
- 3
- LEH 250 - First-year Seminar
- 16
- TOTAL CREDITS

1ST SEMESTER

- ☐
- Activate your Handshake account with CEDC to begin exploring career resources and opportunities available through Career Exploration & Development Center (CEDC).
- ☐
- Create a resume to begin documenting your achievements. Review samples for your major on Handshake Document Library.
- ☐
- Join ‘The Archimedes Club’, explore professional associations, and clubs related to Economics to expand your network! Explore honor society options on campus.

2ND SEMESTER

- 3
- ENG 121 - English Composition II
- 3
- Flexible Core - U.S Experience in its Diversity
- 3
- ECO 167 - Introduction to Microeconomics
- 4
- CMP 167 - Programming Methods I
- 4
- MAT 175 - Calculus I
- 1
- MAT 155 - Calculus I Laboratory
- 18
- TOTAL CREDITS

- ☐
- Create a LinkedIn account to establish your professional presence online.
- ☐
- Explore career paths in Economics & Mathematics and take the Focus 2 Career Assessment. Code: Lightning
- ☐
- Identify a Mentor with whom you check-in periodically (Economics Faculty, Economics Graduate Faculty, The City Tutors, Streetwise Partners).
- ☐
- Create a draft cover letter you can use to apply to internships and pipeline programs.

SOPHOMORE

CREDITS

- 3
- General Education Foreign Language Option
- 3
- Flexible Core - Scientific World
- 3
- Flexible Core - Creative Expression
- 4
- MAT 176 - Calculus II
- 1
- MAT 156 - Calculus II Laboratory
- 1
- CED 201 - CED 201: Business Career Exploration & Planning, and Self-Discovery
- 15
- TOTAL CREDITS

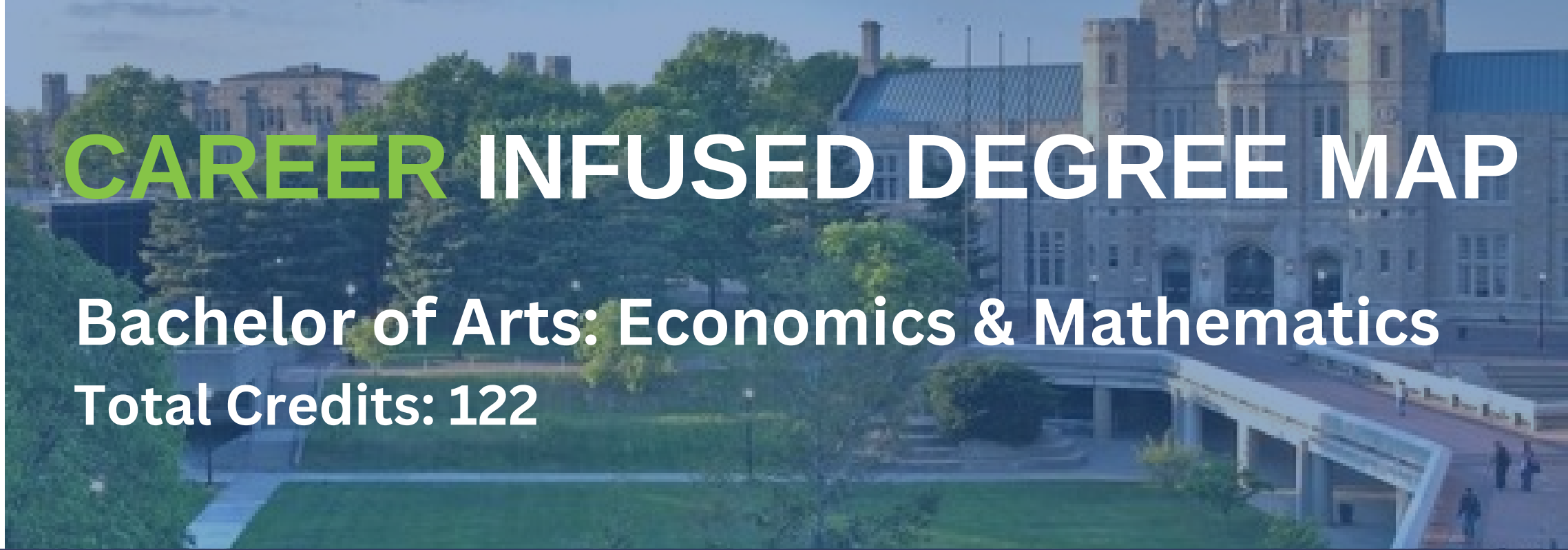
1ST SEMESTER

- ☐
- Join a student professional organization (ALPFA, NABA, NAPABA, Omicron Delta Epsilon) to deepen your engagement in Economics & Mathematics.
- ☐
- Begin exploring early pipeline programs like (America Needs You (ANY), BASTA, Year Up, Wall Street Direct, CUNY Opportunities).
- ☐
- Apply to be a Research Assistant, Mathematics or Economics Tutor, College Assistant.

2ND SEMESTER

- 3
- General Education Foreign Language Option
- 3
- Flexible Core - World Cultures and Global Issues
- 4
- MAT 226 - Vector Calculus
- 3
- MAT 301 - Applied Statistics & Data Analysis
- 3
- Elective
- 16
- TOTAL CREDITS

- ☐
- Attend an interview workshop to learn the fundamentals of interviewing for Economic & Mathematics roles.
- ☐
- Apply for internships (Federal Reserve Bank of New York, NYCEDC, Goldman Sachs, AIG, The New York Times, Top 4, Barclays, Jobs NYC, CUNY paid internships).
- ☐
- Identify skills/certificates outside of the classroom (Lehman Bloomberg Finance Lab, CUNY Upskilling, Coursera) to complete.
- ☐
- Explore the (National Association for Business Economics & American Economic Association, Informa).



CAREER INFUSED DEGREE MAP

Bachelor of Arts: Economics & Mathematics
Total Credits: 122

JUNIOR

ACADEMICS

CAREER READINESS

CREDITS

- 3 LEH 352 or 353 or 354 or 355 (must have earned 45 credits or declared your major)
- 3 ECO 300 - Intermediate Macroeconomics
- 4 MAT 313 - Elements of Linear Algebra
- 3 ECO 302 - Economic Statistics
- 3 Elective
- 16 TOTAL CREDITS

1ST SEMESTER

- ☐ Participate in case competitions to solve real-world Economic and Mathematics. Consult with Faculty. (Battle of the Brain X ALPFA, Accenture Innovation Challenge)
- ☐ Prepare for interviews in Economics & Mathematics by completing a Mock interview with your Career Specialist.
- ☐ Research graduate school or other postgraduate opportunities if considering further education.
- ☐ Take FREE instructor-led MS Office workshops with Lehman IT Center.
- ☐ Attend career fairs, symposiums, conferences and seminars to network with professionals.

2ND SEMESTER

- 3 LEH 352 or 353 or 354 or 355
- 4 ECO 402 - Econometrics
- 3 ECO 301 - Intermediate Microeconomics
- 4 MAT 330 - Probability and Statistics
- 1 CED 301 - Business Career Goals, Strategies and Networking
- 15 TOTAL CREDITS

- ☐ Take leadership roles in Economics-related clubs or professional association you belong to.
- ☐ Engage in LEAP on Suitable and other Experiential Learning Opportunities to explore career paths & develop practical skills in Economics and Mathematics.
- ☐ Work in at least **one** Economics & Mathematics internship by the end of summer after your junior year. Apply for the Summer Wall Street Exchange Program for **rising seniors**.
- ☐ Engage with career guidance, networking, and hiring events on Handshake and Forage to deepen your understanding of your career path.

SENIOR

CREDITS

- 3 ECO 3XX or 4XX
- 4 MAT 347 or MAT 349 or MAT 424
- 3 Minor or Certificate Course I
- 3 Minor or Certificate Course II
- 13 TOTAL CREDITS

1ST SEMESTER

- ☐ Meet with your Career Specialist to finalize your resume, LinkedIn profile, and prepare for interviews.
- ☐ Take exams that can help advance your career -Chartered Financial Analyst (CFA), Financial Risk Management (FRM), and Certified Financial Planner (CFP).
- ☐ If applicable complete the process for applying to graduate school.
- ☐ As graduation nears, connect with mentors and network for career advice and job leads.

2ND SEMESTER

- 3 Major Electives
- 3 ECO 401 - Introduction to Mathematical Economics
- 3 Minor or Certificate Course III
- 3 Minor or Certificate Course IV
- 12 TOTAL CREDITS

- ☐ It is recommended you take the Securities Industry Essentials Exam (SIE) from FINRA.
- ☐ Subscribe to the New York Jobs CEO Council and CUNY Weekly Newsletter for exclusive opportunities, events and career resources.
- ☐ If appropriate, complete the process of applying to graduate school.
- ☐ Be sure to explore the CUNY Alumni website for valuable resources!