

FOUR-YEAR CAREER MAP

Mathematics BA

Freshman

FALL

Career Milestone	Done
Access Handshake QC * for career opportunities (events, internships, jobs, resources, etc.)	
Attend the Career Center's Meet and Greet Orientation*	
Take a Focus 2 career assessment	
Create a Draft Resume	
Join clubs and organizations through UKnighted	
Begin the mathematics curriculum according to your placement as recommended by the placement exam results.	
Participate in campus events and math department events including math club, seminars and discovery series events.	
Participate in math department events	

SPRING

Career Milestone	Done
Create a LinkedIn Account	
Explore career options for your anticipated major	
Schedule an appointment on QC Navigate with an advisor (career, academic and/or faculty)*	
Attend Career Center workshops *	
Participate in a virtual work experience, Forage	
Develop your career skills with NACE Competencies *	
Continue the mathematics curriculum with the next required class.	



Sophomore

FALL

Career Milestone	Done
Update your Handshake QC profile and interests*	
Develop a network of contact through LinkedIn	
Volunteer for charitable organizations	
Apply for summer internships	
Continue the mathematics curriculum with the next required class. Consider enrolling in MATH 220W, the introduction to mathematical reasoning course.	
Self-introspect on the following: if you like theory and proofs the most, then schedule an appointment with the pure math concentration adviser; if you like calculation and applications, then schedule an appointment with applied math or data science or actuarial concentration adviser; if you are interested in teaching mathematics in high school, then schedule an appointment with the Math 7-12 adviser.	
Learn more about available internships and/or research experience for undergrad students (REU). See this link for more information.	
Participate in math department events	

SPRING

Career Milestone	Done
Identify a mentor and check-in periodically	
Enroll in workshops to brush up on your skills	
Build out and formulate an effective resume	
Learn how to create spreadsheets, documents and presentation slides.	
Join student professional orgs. Attend on campus and external career fairs, local meetings, conferences and seminars	
Continue the mathematics curriculum into the next required class. Declare your major with your concentration: pure, applied, data science or actuarial.	
Read the requirements for acceptance into pi mu epsilon. Learn about the criteria for department awards.	
If you are a MATH-ACTU student, sign up for the SOA's FM exam to be taken over the summer.	

***Repeat regularly in each academic year (Years 1, 2, 3 & 4)**

In conjunction with Career Milestones, refer to **Academic Degree Program Maps** for course planning based on the year you started at Queens College.



Junior

FALL

Career Milestone	Done
Update resume to be succinct and industry ready	
Utilize LinkedIn Learning and The Vault 's resources	
Apply for internships on Handshake QC , Spring Forward, Career Launch , CUNY Tech Prep , LifeSci NYC , etc.	
Assume leadership in student groups	
Utilize online resources available on the Career Center website and Handshake QC	
Continue the mathematics curriculum into the next course(s) in your concentration.	
Learn more about available internships and/or research experience for undergrad students (REU). See this link for more information.	
Consider applying to be a tutor in the math lab.	
Consider taking the Putnam exam.	
Keep in mind which professors you might ask to write you a recommendation and foster connections with them.	
Learn about the CUNY directed reading program (DRP). See this link for more information.	
Participate in math department events	

SPRING

Career Milestone	Done
Acquire technical internship interview readiness	
Attend networking events with professionals	
Identify projects outside the classroom to enhance your professional	
Secure at least one internship by summer of Junior Year	
Participate in interest specific conferences	
Continue the mathematics curriculum into the next course(s) in your concentration.	
Apply for a REU and/or an internship. Ask for recommendation letters from your professors one month in advance of the deadline.	
Update your effective resume.	
Consider joining a professional organization's student chapter such as the MAA, SIAM, AMS, SOA. Membership in SIAM is free for students who join our department's student chapter.	
If you are a MATH-ACTU student, sign up for the SOA's P exam to be taken over the summer.	
Consider creating an online portfolio of your projects (e.g. on github.com).	



Senior

FALL

Career Milestone	Done
Take advantage of events offered by Career Center to perfect job search, interviewing and employability skills	
Schedule an appointment with the career advisor	
Inform contacts you are searching for a job	
Apply, apply and apply for more jobs . Record your progress	
Complete a senior year or capstone project	
Consider certifications and master's programs	
Continue the mathematics curriculum into the next course(s) in your concentration.	
If you did research (e.g. through an REU, DRP, independent study), think about presenting this research at conferences.	
Participate in math department events	
Consider taking the Putnam exam	

SPRING

Career Milestone	Done
Apply for more jobs . Record our progress and remember to follow-up on your applications	
Secure references and recommendations	
If applicable, complete graduate school application	
Connect with alumni office and join QC alumni	
Connect with alumni in LinkedIn groups	
Continue the mathematics curriculum into the next course(s) in your concentration.	
Update your effective resume.	

***Repeat regularly in each academic year (Years 1, 2, 3 & 4)**

In conjunction with Career Milestones, refer to **Academic Degree Program Maps** for course planning based on the year you started at Queens College.

