

Computer Science BA

This course requires 66/67 major credits

PROGRAM KEY POINTS

- Provides a solid foundation in computing principles and software development.
- Covers core topics such as programming, algorithms, data structures, and software engineering, alongside elective courses in specialized areas like web development and artificial intelligence

FOUR-YEAR CAREER MAP ADVISORY

- Accompanying the Career Milestones, please use the Academic Degree Program Maps link that offers suggested four-year course combinations and prerequisites based on the undergraduate annual catalog year you started at QC.
- All underlined content in this document acts as a hyperlink to important resources for your guidance. Access these links using the command (*ctrl + click*) or if you are using the printed version, please scan the QR codes.
- Review your academic program maps to align it with your career milestone map.



ACADEMIC MAP

CAREER MAP



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

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Freshman

FALL

| Career Milestones | Done |
|--|------|
| Access Handshake QC* | |
| Create a Draft Resume | |
| Review Courses for the Major | |
| Join a Student Club on campus | |
| Attend the Career Center's Meet and Greet Orientation* | |
| Take a Focus2 career assessment | |

SPRING

| Career Milestones | Done |
|--|------|
| Create a LinkedIn Account | |
| Explore career options for Accounting majors | |
| Attend Hackathons & Pitchfests: Devpost , SowGlow , etc. | |
| Create a GitHub Account | |
| Attend Career Center's workshops | |
| Join professional organizations: ACM , IEEE , IACIS , NSBE ... | |

Sophomore

FALL

| Career Milestones | Done |
|--|------|
| Update your Handshake QC profile and interests * | |
| Develop a network of contact through LinkedIn | |
| Build out and formulate an effective resume | |
| Post to Your GitHub Account * | |
| Apply for computer science internships | |
| Attend Professional Development Workshops | |

SPRING

| Career Milestones | Done |
|---|------|
| Contribute to open source projects | |
| Build skills with case studies and project , and/or launch a side project (web app or mobile) | |
| Identify a mentor and check-in periodically * | |
| Attend networking events on campus and externally , meetings, conferences, & workshops | |
| Build cloud computing skills: AWS , Azure , G-Cloud | |
| Explore and apply for internship opportunities: Angel , Levels , Google , Avande , etc. * | |



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Junior

FALL

| Career Milestones | Done |
|--|------|
| Update resume to be more succinct and industry ready | |
| Utilize LinkedIn and other resources such as The Vault | |
| Apply for internships on HandshakeQC , Spring Forward, Career Launch , CUNY Tech Prep , LifeSci NYC , etc. | |
| Additional coding resources: Google , Codecademy , etc. | |
| Research Big Tech firms recruiting best practices | |

SPRING

| Career Milestones | Done |
|---|------|
| Prepare for technical interviews with industry-specific coding problems | |
| Participate in peer coding reviews | |
| Participate in a virtual work experience program | |
| Start self-guided case studies outside classroom | |
| Join leetcode coding bootcamps or online challenges | |
| Join online forums and discussion groups | |

Senior

FALL

| Career Milestones | 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 in the process of searching for a job | |
| Apply, apply and apply for more jobs . Record your progress | |
| Complete a senior thesis or capstone project | |

SPRING

| Career Milestones | Done |
|---|------|
| Apply for more jobs . Record your progress and remember to follow-up on your applications | |
| Secure references and recommendations | |
| If applicable finish applying to graduate school | |
| Connect with alumni office and join QC alumni | |
| Connect with alumni in LinkedIn groups | |
| Consider an MBA or additional certifications | |

