

# Computer Science BS

This course requires 78/79 major credits

## PROGRAM KEY POINTS

- Offers an in-depth education in computing and technology.
- Focuses on core areas such as algorithms, data structures, software engineering, and systems programming, alongside advanced topics like artificial intelligence and machine learning

## 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 <a href="#">Handshake QC</a> *	
Create a <a href="#">Draft Resume</a>	
Review Courses for the Major	
Join a <a href="#">Student Club</a> on campus	
Attend the Career Center's Meet and Greet Orientation *	
Take a <a href="#">Focus2</a> career assessment	

### SPRING

Career Milestones	Done
Create a <a href="#">LinkedIn Account</a>	
Explore career options for <a href="#">Accounting</a> majors	
Attend Hackathons & Pitchfests: <a href="#">Devpost</a> , <a href="#">SowGlow</a> , etc.	
Create a <a href="#">GitHub Account</a>	
Attend <a href="#">Career Center's workshops</a>	
Join professional organizations: <a href="#">ACM</a> , <a href="#">IEEE</a> , <a href="#">IACIS</a> , <a href="#">NSBE</a> ...	

## Sophomore

### FALL

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

### SPRING

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



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## Junior

### FALL

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

### SPRING

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

## Senior

### FALL

Career Milestones	Done
Take advantage of events offered by <a href="#">Career Center</a> to perfect job search, <a href="#">interviewing</a> and employability skills	
<a href="#">Schedule an appointment with the career advisor</a>	
Inform contacts you are searching for a job	
Apply, apply, and <a href="#">apply for more jobs. Record your progress</a>	
Complete a senior thesis or capstone project	

### SPRING

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



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