

Computer Science & Engineering Career Readiness Map

First Years (First -Sophomore Years)

- Prioritize taking CS/CIS/SE 100 in your first semester.
- Prioritize the completion of CS 111/211/311 sequence as soon as possible. Take extra time to expand selected assignments in these courses into projects that apply data structures and algorithms in real problem context.
- Connect with classmates and build a learning community.
- Create a [GitHub](#) account and upload selected projects.
- Learn how to describe data structures and algorithms related skills in resumes.

Middle Years (Sophomore -Junior Years)

- Prioritize taking the 300-level required courses before taking 400-level courses.
- Learn to communicate and collaborate with classmates via study groups and team projects.
- Learn to use professional tools for software development (e.g. IDEs, Visio, Trello, GenAI).
- Learn to showcase class projects and related skills in their resumes.
- Expand GitHub portfolio with class projects.

Last Years (Junior-Senior Years)

- Choose elective courses wisely to build a strong collection of skills.
- Make the most out of senior capstone project.
- Refine communication and collaboration skills via team projects.
- Continue to use professional tools for software development (e.g. IDEs, Visio, Trello, GenAI).
- Showcase class projects and related skills in resumes.
- Expand GitHub portfolio with class projects.

Curricular activities (Inside the classroom)

Co-curricular activities (Outside the classroom)

- Attend office hours to connect with faculty, even when you don't want to ask course related questions. Ask your professors about possible career paths related to courses.
- Create a [LinkedIn](#) Profile. Attend [career related events](#) and connect with people on LinkedIn. Post short messages to share excitement about learning.
- Create a [Handshake Profile](#) and [apply for campus jobs](#).
- Join a [student org](#) that aligns with your major/career pathway.
- Join the [Professional Mentoring Program Blueprints](#) as a mentee to connect with peers.
- Establish initial connection with [Career Center](#).

- Connect with faculty to seek project opportunities and build relationships for potential letters of recommendations.
- Work on projects outside of class via personal projects, friend projects, and hackathons.
- Take on leadership positions in student organizations.
- Attend networking events and expand LinkedIn connections. Post message about meaningful projects both in and outside of classes.
- Join the [Professional Mentoring Program](#) as a mentee to connect with professionals.
- Apply for internships. Seek help from Career Center to search for [internship opportunities](#), [refine resume](#) and [interview](#) skills.

- Seek faculty advice on career paths and job search.
- Continue working on meaningful projects outside of class.
- Continue working with Career Center on ways to look for related opportunities, refine resume and interview skills.
- Attend career related events and seek internship/job opportunities.
- Join the [Professional Mentoring Program Blueprints](#) as a peer mentor.