



From CS@VT to...

Full Stack Developer

Full Stack Developers build the apps you actually use – from sleek interfaces to the behind-the-scenes logic that makes them work. They bridge front-end and back-end, making sure the whole system runs smoothly from click to database.

Essential Foundations

Your CS core is the blueprint for building across the stack, with the versatility to move from front-end design to back-end logic: (see the CS Roadmap for a full list).

- ✦ **CS 2104 Problem Solving in CS** - creative problem-solving fuels every layer
- ✦ **CS 2114 Software Design & Data Structures** - clean code = reliable apps
- ✦ **CS 3214 Computer Systems** - systems savvy keeps your stack running smooth
- ✦ **CS 3604 Professionalism in Computing** - full stack is full responsibility

Your Go-To Electives

- ▶ **CS 4104 Data & Algorithm Analysis**
scalable thinking for scalable systems
- ▶ **CS 3704 Intermediate Software Design**
wrangle big projects without chaos
- ▶ **CS 3714 Mobile Software Development**
put your code in everyone's pocket
- ▶ **CS 3754 Cloud Software Development**
apps that soar on the cloud
- ▶ **CS 4604 Intro to Database Mgmt Systems**
where every click meets data



Capstone (CS 4094)

Cap it off with a project that's all you. Your team might launch a tutoring app or a platform for disaster relief. Projects often cross pathways, but your focus can spotlight your full stack skills in service to others.