



*From CS@VT to...*

# Freestyler

*Freestylers don't fit in one box – and that's the point. You mix and match electives to design a CS journey that's yours alone. Whether you dive deep into a niche or spread wide across domains, you'll graduate ready to tackle a variety of challenges with a toolkit as unique as your goals.*

## Essential Foundations

Even freestylers need a strong baseline. These core courses give you the fundamentals you can riff on as you shape your own path: (see the CS Roadmap for a full list).

- ★ **CS 2104 Problem Solving in CS** - flex your brain with puzzles that spark ideas
- ★ **CS 2505 Introduction to Computer Organization I** - peek under the hood to see how code meets circuits
- ★ **CS 3114 Data Structures & Algorithms** - the secret sauce for building anything that actually works
- ★ **CS 3604 Professionalism in Computing** - because every path has real-world consequences

## Your Go-To Electives

- ▶ **Choose a theory class** - pick the lens that sharpens your thinking
- ▶ **Choose a technical elective** - could be CS, ECE, or another class that powers your path
- ▶ **Choose a CS elective** - chase curiosity, whether it's HCI, data, or networks
- ▶ **Choose another CS elective** - balance your set: broaden out or double down
- ▶ **Choose an advanced CS elective** - level up with courses that demand mastery



### Capstone (CS 4094)

*Cap it off with a project that's all you. Freestylers shine here – your team's project can be anything, but your choices let you leave a unique signature on the work..*