# snhu

# Essential Questions in the Computer Science Program

The courses in this program are designed not just to give you coding skills, but also to help you think like a computer scientist. There are 10 "Essential Questions" spread throughout the program to help you develop this mindset. These questions are open-ended: There is not only one "right" answer. Instead, they introduce you to big ideas that you will engage with throughout the program.

## CS 470

| Theme | Essential Question |
|---|---|
| Problem Solving | How do I approach a problem as a computer scientist? |
| Teamwork and Collaboration | What does it mean to be a good team member in software development? |
| Ethics | What are my ethical responsibilities as a software developer to the end user and the organization? |
| Requirements Analysis | How do I interpret user needs and implement them into a program? |
| Design | How do I approach designing software? |
| Develop | How do I approach developing programs? |
| Develop | How do I write programs that are maintainable, readable, and adaptable? |
| Test | How do I ensure my code, program, or software is functional and secure? |
| Personal and Professional Growth | What do computer scientists do, and why does it matter? |
| Personal and Professional Growth | How can computer science help me in reaching my goals? |