

## Congratulations! You did it!

You got into Carnegie Mellon University's School of Computer Science. We know deciding where you'll go to college is a huge deal. And while we definitely want you to **#TurnTartan** and join us here, we also want you to have all you need to make an informed decision.



### Reasons why you'll love the School of Computer Science.

- ▶ **There's no better place to study computer science.** We're consistently named among the nation's top CS schools, so if you're serious about computer science and know that CS is your passion, you belong here.
- ▶ **You'll study in a college completely devoted to CS.** We're not part of an engineering school or math department, so you won't get bogged down in classes that might be irrelevant to your CS career.
- ▶ **From day one, you'll learn computational thinking and fundamentals** that will set you up for success in your future coursework and any internships you may want to pursue. Our curriculum is so current — we think of it as the “computer science of tomorrow” — that you often won't have a textbook.
- ▶ **You'll have a chance to get your hands dirty:** to participate in undergraduate research, create real products and applications as assignments, and explore ideas for new technologies with other students and even faculty members.
- ▶ **We focus on collaboration,** so you'll work shoulder-to-shoulder with the most talented CS students — and faculty — in the country.
- ▶ **You probably want to explore subjects beyond computer science,** and we build room in the curriculum for whatever your second love may be — from CS-complementary fields like math or electrical engineering, to completely separate subjects like music or Japanese.
- ▶ **Since we're part of CMU,** you'll live and study with some of the world's top talent in the arts, engineering, business and humanities.
- ▶ **When you graduate, you'll be prepared to walk into any research or industry team and start making an impact from day one.** You'll also join an alumni base that's among the most respected and sought after in both industry and research.

We could talk all day about SCS and why we think our students and programs rise to the top. We hope you'll take some time today to talk to members of our community about other reasons that you should **#TurnTartan**. **We can't wait to see you in August as part of our Class of 2028.**

## Contact Us!

Have last-minute questions as you think about **#TurningTartan**? Reach out and we'll get back to you!

Artificial Intelligence  
▶ [bsai@cs.cmu.edu](mailto:bsai@cs.cmu.edu)

Computer Science  
▶ [bscs@cs.cmu.edu](mailto:bscs@cs.cmu.edu)

Computational Biology  
▶ [bscb@compbio.cmu.edu](mailto:bscb@compbio.cmu.edu)

Human-Computer Interaction  
▶ [hciibachelors@cs.cmu.edu](mailto:hciibachelors@cs.cmu.edu)

Robotics  
▶ [ri.cmu.edu/ri-education](http://ri.cmu.edu/ri-education)

# Pick Your SCS Path

**SCS offers not just one undergraduate major or even two. But five!**

Once you're admitted into SCS, you can choose from our bachelor's degree options in artificial intelligence, computational biology, computer science, human-computer interaction or robotics. Every SCS first-year student takes roughly the same courses their first semester to provide a strong foundation for whichever path you choose. At the end of your second semester, you'll pick your major. Here's what we offer.

## ▶ Artificial Intelligence

**The major in AI gives you the in-depth knowledge you need to transform large amounts of data into actionable decisions.** The program and its curriculum focus on how complex inputs — such as vision, language and huge databases — can be used to make decisions or enhance human capabilities. The curriculum includes coursework in computer science, math, statistics, computational modeling, machine learning and symbolic computation, and ethics and social responsibility. When you graduate, you'll have the computer science savvy and skills our students are known for, with the added expertise in machine learning and automated reasoning that you'll need to build the AI of tomorrow. ▶

## ▶ Computational Biology

**Biology has become a data science, and in SCS we're training a new generation of computer scientists to tackle its big unsolved problems.** Our undergraduate program guides you to explore frontier problems in modern biology and medicine while providing the unparalleled computational education and rigor of SCS. You'll develop a strong technical knowledge in fundamental computer science in our program, as well as a broad biological intuition and general understanding of experimental biology. Most importantly, you'll learn to unite your knowledge and make connections between the fields through research, which we promise for all interested undergraduates. When you graduate, you'll receive a degree unparalleled at any other institution and be prepared for industry, Ph.D. programs, or medical school. ▶

## Carnegie Mellon University School of Computer Science

5000 FORBES AVENUE  
PITTSBURGH, PA 15213-3890

    SCSatCMU

[cs.cmu.edu](http://cs.cmu.edu)

## ▶ Computer Science

**The original that started it all!** The undergraduate major in computer science combines a solid core of computer science courses with the ability to gain substantial depth in another area through a required minor in a second subject. Because we know computing has strong links to many fields, our program gives you unparalleled flexibility to pursue other disciplines. Our mathematics and probability component ensures that you'll have the formal tools to remain current as technologies and systems change, while our project-oriented courses will give you insight into the practical issues of building and maintaining systems. At graduation, you'll be ready to hit the ground running in industry, research or a Ph.D. program. ▶

## ▶ Human-Computer Interaction

**The B.S. in human-computer interaction (HCI) produces specialists adept at designing and prototyping interactive solutions to a wide range of problems.** As an HCI major, you'll gain strong foundational computer science knowledge and make core elements of human-computer interaction the primary focus of your upper-level classes. You'll explore a large range of HCI topics in greater depth through electives and join an interdisciplinary team for a capstone project to produce innovative digital solutions for a client-presented problem. When you graduate, you'll have a unique perspective on how digital products and services impact humans, and on how those products and services can be designed to have a positive impact on the world. ▶

## ▶ Robotics

**The newest of the school's undergraduate majors, the B.S. in robotics fuses our rigorous computer science curriculum with CMU's world-renowned work in robots, computer vision and artificial intelligence.** You'll complete the same core curriculum as all incoming SCS undergraduates — setting the degree apart from most undergraduate robotics programs offered by other universities — and take new courses in robotic building, planning and control; cognition systems, manipulation and mechanisms; and computer vision and sensing. You'll also develop the solid foundation in linear algebra, calculus, probability and statistics needed to master algorithms and apply them as you design, prototype, fabricate and test your own robots. ▶