

COMPUTER SCIENCE



Bachelor of Science in Computer Science

A Bachelor of Science degree in Computer Science provides a strong foundation in the fundamental concepts of computer science. Combined with sound practical training relevant to the common applications of computing in business and industry, the degree provides preparation for all career paths in computer science and emerging areas of computing, including:

- Database Systems
- Data Mining
- Visualization
- Computer Graphics and Gaming
- Software Engineering
- Web Development
- Computer Networks and Security
- Mobile Computing

About the Program

A bachelor's in Computer Science is a 120-credit-hour program that provides flexible learning options. In addition to on-campus classes, we offer online, hybrid, and weekend options to accommodate students that work and commute.

Graduates who earn a Bachelor of Science degree in Computer Science will:

- Exemplify an understanding of various aspects of computing environments, including hardware organizations, programming languages and paradigms, operating systems, and other computing tools.
- Master the fundamental concepts of computer programming, including data models and abstraction, control structures, symbolic logic, algorithmic thinking, testing and debugging with various computing environments.

Getting Started

- 1. Apply for Admissions**
applytexas.org
- 2. Apply for Financial Aid**
fafsa.ed.gov
- 3. Fulfill Testing Requirements**
uhd.edu/testing
- 4. Get Advised and Register**
uhd.edu/academics/advising
- 5. Pay for Classes**
uhd.edu/students-resources/cashiers
- 6. Prepare for Class**

For more information, visit:
uhd.edu/admissions/apply

Median Salary

According to the U.S. Department of Labor Bureau of Labor Statistics (BLS), the national average salary for:

- Database Administrator is **\$84,950**;
- Computer Systems Analyst is **\$87,220**;
- Web Developer is **\$66,130**;
- Information Security Analysts is **\$92,600**;
- Computer Programmer is **\$79,840**;
- Digital Forensics is **\$56,750**.

Earn Your Degree

- Downtown

Contact

University of Houston-Downtown
713-221-8012 • ms@uhd.edu
uhd.edu/ComputerScience

- Exhibit proficiency in conveying computer science knowledge, both orally and in writing.
- Demonstrate ethical awareness and teamwork skills.

Affiliated Student Organizations

The **International Society of Automation** helps students stay current on animation research and literature.

The **Association for Computing Machinery** is a UHD organization with the goal to make computing and mathematics fun.

Career Options

Computer science graduates not only work in classic high-tech companies, such as IBM, Microsoft, and Dell, but in all sectors of information and computing systems ranging from insurance, banking and finance, to telecommunications (e.g. American National Insurance, Capital One, AT&T). Graduates also work in the petrochemical sector for corporations, such as Exxon Mobil, and Transocean.

The computer science curriculum is designed to prepare you for careers, such as:

