Computer Science

BEST COLLEGES
U.S.News
NATIONAL UNIVERSITIES 2022

COLLEGES OF
CAREER DEVELOPMENT
2021 2022
DISTINCTION

THE PRINCETON REVIEW
Northeastern 2022
BEST REGIONAL COLLEGES

TOP DEGREES
Grad School
— 2022 —
ABROUND

> **After I received my BS in Computer Science from Adelphi and got into the industry, I first thought I knew so little, but then realized how much I knew compared to alumni from other colleges and how well-prepared I was for my career. It was an easy choice to continue at Adelphi for my master's."**
>
> **Scott Shannon '19**

Why earn your MS in Computer Science from Adelphi?

Our MS degree program gives full- and part-time students the skills they need to advance their careers in computer science. You will:

- **Specialize in one of our two program tracks:** software engineering or cybersecurity.

- **Learn in small classes and conduct research** with expert faculty committed to your success.

- **Have opportunities to receive credit for internships** and qualify for generous scholarships.

Our computer science faculty include:

A chief information security officer and SANS Institute security thought leader whose research into defensive cybersecurity is grounded in conceptual modeling and knowledge representation

A professor who is developing security-related courses with the support of a National Science Foundation (NSF) grant

A professor who researches computer ethics

An expert in game programming who published a collection-style game platform for Android tablets in the Google Play Store

A professor who researches human-computer interaction, novel computer interfaces and data visualization

A professor who is exploring issues in cybersecurity, data privacy and law and technology

A world-class program with expert faculty

As a student in Adelphi's 30-credit MS in Computer Science program, you'll receive personalized attention in small classrooms from a faculty of noted experts in the field. Prepare for an advanced career by specializing in software engineering or cybersecurity. Best of all, our program is flexible enough to meet the needs of both full- and part-time students.

> **Graduate students learn by exploring advanced topics with faculty members and with each other. Teaching advanced topics like cyber threat analysis is incredibly rewarding and a great testament to how well Adelphi's personalized approach helps students master materials."**
>
> **Kees Leune, PhD**, assistant professor, mathematics and computer science

A program to enrich your understanding and sharpen your skills

Adelphi's MS in Computer Science program positions you for leadership roles in the rapidly growing fields of software engineering and cybersecurity. You'll gain the knowledge and skills you need to boost your career—and you'll conduct research in specialized labs outfitted with up-to-the-minute equipment and tools.

93%
of our 2020 master's graduates say that Adelphi University increased their intellectual curiosity, ability and potential

—Adelphi University Career Outcomes Survey: Class of 2020

Here are just some of the courses you may take as an MS in Computer Science student:

- **All students get a grounding in the foundations of computer science**, including software engineering methodology, operating systems, database management systems and data science.
- **Cybersecurity students learn to protect digital assets** by studying attacker methods and mitigation strategies in courses covering topics such as digital forensics, threat modeling, and cyber law and ethics.
- **Software engineering students take courses focused on multiple program languages** to research, design, develop and test operating systems-level software.

For-credit internships are a major part of a computer science education

You will be able to earn credit—and gain valuable résumé-building experience—from internships with partner companies throughout the New York metropolitan area, such as:

- Bloomberg
- Brookhaven National Laboratory
- Google
- IBM
- Northwell Health
- Verizon

Computer Science

A world of career options

Career prospects are excellent. The United States Department of Labor predicts job growth of 22 percent by 2030—much faster than the average national growth rate of 8 percent.* Your MS in Computer Science degree from Adelphi offers an outstanding return on investment. Our computer scientists have a record of success, landing top positions in the New York metropolitan area at organizations such as:

- Bloomberg
- Charles Schwab & Co.
- Columbia University
- Google
- IBM

* Bureau of Labor Statistics, BLS.gov, September 8, 2021

What do I need to apply?

Applicants must have a bachelor's degree in computer science or a related field and a minimum 3.0 GPA.

Required:
- Graduate application and $50 fee
- Official college transcripts
- Final transcript stating bachelor's degree from an accredited four-year institution
- TOEFL, IELTS or Duolingo English test scores required for international candidates
- Course-by-course evaluation prepared by an NACES member organization required for international candidates*

Recommended:
- Submission of a strong portfolio of completed technical work (academic or professional) is highly recommended and will contribute favorably to an admissions decision.
- Résumé or CV
- Personal essay
- Up to two letters of recommendation (academic or professional)

*Beginning with the Spring 2023 semester

What can you do with an MS in Computer Science degree?

Your degree opens doors for everyone from software developers and network architects to video game programmers. And as a cybersecurity, software engineering or game development specialist, you'll be ready to join the next generation of computer science leaders.

National winner
of 2020 American Association of University Administrators' John L. Blackburn Exemplary Models Award for career guidance

94%
of our 2020 master's graduates say that Adelphi University increased their understanding of the roles and responsibilities of professionals in their field

—Adelphi University Career Outcomes Survey: Class of 2020

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