UNDERGRADUATE DEGREES

Computer Science
Computing and Security Technology
Data Science
Information Systems
Software Engineering
A Message from Isaac L. Auerbach Professor & Dean Yi Deng, PhD:

At the College of Computing & Informatics (CCI) at Drexel University, our unique structure — bringing computing and informatics together under one roof in a dynamic, collaborative college — allows us to spot trends before they emerge, to solve problems before they occur, and to build a better tomorrow, starting today.

Led by a world-class faculty, our cross-cutting, interdisciplinary undergraduate programs instill the knowledge and skills necessary for our students to lead and innovate across industries in a rapidly evolving technological landscape.

Through experiential learning and applied research, our students are provided a creative and collaborative space to hone their skills both inside and outside the classroom.
Drexel’s renowned co-operative education program offers students the chance to network, test their careers, and make a real-world impact on today’s most pressing technology challenges. With 98% of our undergraduate students participating in co-op, it’s clear our students are making an impact well before graduation.

Join us at CCI, because the world can’t wait for new ideas.

Learn more about our vibrant student life and exciting programs here at CCI
Student Life at CCI

Explore the city
As a hub for technology, business and the arts, Philadelphia offers many educational and career opportunities for students, as well as cultural events and entertainment.

Build your community
Live, learn and socialize with peers in our residential learning communities.

Collaborate
Study and share ideas in our new, state-of-the-art CCI Commons computer lab and/or the CCI Learning Center.

Plan your path
Our undergraduate peer mentors assist new students with the transition to college, while our professional academic advisors help students plan their academic path through graduation.

Get involved
With countless student events, and over 300 student groups, chapters and organizations at Drexel, there are many ways to make friends, learn something new and pursue your passion.

STUDENT GROUPS INCLUDE

- **Women in Computing Society**
  Helps to support, recruit and retain women pursuing a degree in STEM fields
- **Drexel Blockchain**
  Provides an open space to establish community discussion amongst individuals and industry professionals who are passionate about all things blockchain
- **Drexel Game Developers Group**
  Promotes game development within Drexel’s student community
- **Drexel CyberDragons**
  Trains students in practical technical cybersecurity skills

EVENTS INCLUDE

- **Philly Codefest**
  CCI’s annual two-day hackathon, open to both students and professionals, to develop tech solutions for real world problems
- **CCI Women in Tech Initiative**
  Networking events and workshops with fellow students, faculty and industry members
- **CCI Corporate Partners Program**
  Learn from CCI Corporate Partners and industry experts about the latest trends in technology, and take advantage of networking opportunities for co-op and job positions in your area of study
CCI Corporate Partners Program

Connecting Industry to the Classroom

The CCI Corporate Partners Program is built on a core of innovation and collaboration. Founded in 2017, the program aims to connect CCI with industry to create a large scale, sustainable ecosystem for the development, recruitment and retention of top tech talent.

CCI students have a unique opportunity to engage with our Corporate Partners at various career and hands-on, technical workshops, co-op information sessions, in-person tours, and at an exclusive CCI Career Networking Fair and Reception during the fall and spring quarters.

Learn more at drexel.edu/cci/cpp

OUR PARTNERS

- American Water
- Aramark
- Benefits Data Trust
- Bentley Systems
- BrickSimple
- Brown Brothers Harriman
- Childhood Cancer Data Lab
- Children’s Hospital of Philadelphia
- Chubb Insurance
- Comcast Corporation
- Cox Automotive
- Dell Boomi
- DXC Technology
- eMoney Advisor
- Lutron
- Open as App
- Oracle
- Penn Mutual
- Susquehanna Int’l Group, LLP
- Stryker
- Tamman Tech
- Vanguard

*As of Feb. 2020
Computer Science
Learn about the theory and practice that makes computing effective

The Bachelor of Science/Bachelor of Arts in Computer Science (BS/BACS) program covers core areas including programming, data structures, programming language concepts and systems architecture. Students also select tracks in areas such as artificial intelligence, security, graphics and vision, human-computer interaction and software engineering. Optional concentrations include Game Programming and Development (GMPD) and Computer Security.

CS majors tend to be skilled at math and writing code, and like to apply computer science to solve complex computing problems.

Available minors for CS majors:
Data Science
Computing Technology
Human Computer Interaction
Information Systems
Security Technology
Software Engineering
Or more than 100 minors across the University!

Job titles of recent CS grads:
Web Developer, Software Systems Engineer, Software Developer, Network Engineer and Application Analyst
I am passionate about game development and love programming, so the Computer Science curriculum here is the perfect fit for my career goals.

Jake Carfagno

Hometown/State: Newark, DE
High School: Caravel Academy
Tracks: Game Design and Development & Human-Computer Interaction
Minor: Entrepreneurship & Innovation
Activities/Clubs/Societies:
Entrepreneurial Game Studio,
Dragons for Excellence and Inspiration

Most Recent Co-op Position:
Student Start-Up Co-op, Burning Sky Games, LLC,
via Drexel’s Close School of Entrepreneurship

Favorite Course:
Freshmen Design Sequence

Dream Job:
Video game development company founder/CEO
Computing and Security Technology

Learn how to plan, manage and operate the information technology infrastructure

The Bachelor of Science in Computing and Security Technology (BSCST) program provides hands-on experience in managing and operating computer servers, networks, Web and mobile systems, and databases with particular attention to secure operations. Students must choose one of two concentrations: Computing Technology and Computing Security. The program is available as an online degree-completion program, or as an on campus face-to-face program.

BSCST majors tend to be hands-on and like to master the technical details to make complex systems work smoothly and securely.

Available minors for CST majors:

- Computer Science
- Data Science
- Human Computer Interaction
- Information Systems
- Software Engineering
- Or more than 100 minors across the University!

Job titles of recent BSCST grads:

- Security Administrator
- Chief Information Security Officer
- IT Audit Manager
- Project Manager
- Lead Systems Engineer
I chose Computing & Security Technology for my major because I have always liked challenges and problems, and figuring out solutions.

C.J. Smith

Hometown/State: Philadelphia, PA
Concentration: Computing Security
Bio: I’m an Army veteran & a father of three. I love helping people and want what’s best for our next generation of leaders.

Most Recent Co-op Position:
Networking Engineer at SAP

When he’s not in class he’s:
Spending time in Old City learning about Philadelphia’s history

Dream Job:
Working at a Fortune 500 company as a security or networking engineer
Comprehensive Coverage of the College of Computing & Informatics
Comprehensive Coverage of the College of Computing & Informatics

- Programming
- Computing Theory
- Game Development
- Computing Security
- Networks & Servers
- IT Management
- Visualization
- Media Analytics
- Computer Science
- Computing & Security Technology
Data Science
Learn how to make sense and find meaning in oceans of data

The new Bachelor of Science in Data Science (BSDS) degree program responds to the explosive growth of large scale data sources and the people needed to address challenges within data management in a variety of environments.

BSDS students study data mining, information retrieval, visual analytics, social media trend spotting, human computer interaction and information policy. BSDS students learn how to create novel information products, develop new insights about people’s behavior and solve problems that require large and disparate datasets, in domains such as health care, finance, research and development, and business operations.

BSDS majors tend to be good with quantitative analysis and like making sense out of data and presenting useful information in ways that others can understand.

Available minors for BSDS majors:
- Computer Science
- Computing Technology
- Human Computer Interaction
- Information Systems
- Security Technology
- Software Engineering
- Or more than 100 minors across the University!

Sample job titles for BSDS grads:
- Data Scientist, Business Intelligence Officer,
- Information Architect, and Usability Analyst
Stumbling into the path of technology was the best thing that ever happened to me.

Sabah Lala

Hometown/State: Cherry Hill, NJ and Mumbai, India

Activities/Clubs/Societies:
Beta Beta Beta Biological Honors Society, Dragons for Excellence and Inspiration, Drexel Indian Undergraduate Student Association, Badminton Club

Most Recent Co-op Position:
AI/Data Science Co-op at DXC Technology

Dream Job:
Data Scientist in the healthcare domain utilizing Machine Learning & Artificial Intelligence
Information Systems

Learn how to apply technology to solve problems for organizations and individuals

The Bachelor of Science in Information Systems (BSIS) program includes core courses in human-computer interaction, systems analysis, team processes and social aspects of IS. Students also take a minor in business. BSIS majors tend to be good at bridging the gap between clients and technical staff and like to design technical solutions to real problems.

With a technical focus on high-level system design, databases and human-computer interaction, the BSIS program educates students on how to interact with people and businesses to understand their needs and translate them into effective systems and technology to improve efficiency.

Available minors for BSIS majors:

- Computer Science
- Computing Technology
- Data Science
- Human Computer Interaction
- Security Technology
- Software Engineering
- Or more than 100 minors across the University!

Job titles of recent BSIS grads:

- Security Analyst, Network Systems Analyst, Database Administrator, Data Communications Analyst, Systems Administrator, and Systems Engineer
I knew from a very early age that tech is a field that I’d love to be involved in. There’s always something new to learn and so many technical advancements to happen.

Joshua Koku

**Hometown/State:** Cherry Hill, NJ

**High School:** Cherry Hill East High School

**Minor:** Security Technology

**Activities/Clubs/Societies:**
Drexel CyberDragons, National Society of Black Engineers (NSBE), LeBow Business Society, Drexel IEEE

**Most Recent Co-op Position:**
Information Security Analyst, Educational Commission for Foreign Medical Graduates

**Favorite Course at Drexel:**
CT212 Computer Forensics

**Dream Job:**
Penetration Tester/Ethical Hacker
Software Engineering
Learn how to design and build high-quality software products

Bachelor of Science in Software Engineering (BSSE) majors learn how to design and build high-quality software products. As high-quality software is challenging to create, software engineering focuses on the knowledge and skills to meet that challenge and develop software on schedule and within budget. The BSSE curriculum covers the fundamental concepts and skills to prepare the next generation of software engineering professionals, including topics such as specification, design, software evolution, quality control and project management.

BSSE majors tend to be good at quantitative analysis and writing code, and like to apply methods that allow individuals and teams to create and improve large software systems.

Available minors for BSSE majors:
- Computer Science
- Computing Technology
- Data Science
- Human Computer Interaction
- Information Systems
- Security Technology
Or more than 100 minors across the University!

Job titles of recent BSSE grads:
- Software Engineer
- Software Architect
- Software System Project Manager
- and Software Project Team Leader
The BSSE program is perfect for me because it’s interdisciplinary. I’m learning how to design and plan software for a variety of purposes.

Jiho Yoo

Hometown/State: Seoul, South Korea
High School: Lancaster County Christian School
Minor: Security Technology
Activities/Clubs/Societies: Drexel CyberDragons; Drexel Women in Computing Society (WiCS); Society of Women Engineers (SWE); Alpha Omega Epsilon (sorority for women in STEM)

Most Recent Co-op Position: Security Analyst, Information Security Team, Susquehanna International Group, LLP
Favorite Course: CS 265 Advance Programming Tools and Techniques, because it prepares you to learn any type of programming language!
CCF Co-op Fast Facts

1 or 3
Complete 1 Co-op on a 4-year schedule or 3 Co-ops on a 5-year schedule

#1 Co-op Salary
CCI Students earn the highest co-op salary out of all Drexel students

98%
CCI Students employed on Co-op

$833
Median weekly Co-op salary for CCI students

Where our students co-op (sampling):
Apple, Amazon, Bentley Systems Inc., Comcast Corporation, Dell, Google, IBM, Johnson & Johnson, Lockheed Martin, Microsoft, Oracle Primavera, Susquehanna International Group LLP, SAP America
CAREER FAST FACTS

97% OF GRADUATES ARE EMPLOYED OR ENROLLED IN GRADUATE EDUCATION

$74,000 AVERAGE STARTING SALARY FOR DREXEL GRADUATES*

13 of the TOP 25 TOP-PAYING JOBS OF 2019 ARE TECH POSITIONS**

Where our graduates work (sampling):
Amazon, Google, Microsoft, Yahoo! Inc., Cisco Systems, IBM, eMoney Advisor LLC, SAP America, Zynga, Comcast Corporation, JPMorgan Chase & Co, Lockheed Martin, GlaxoSmithKline

Data sources: Drexel’s Steinbright Career Center report, 2017-18 academic year;
*PayScale’s 2020 College Report, BS Degree;
**Glassdoor, “25 Highest-Paying Jobs in America in 2019”
Apply Today at drexel.edu/cci

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