Virtually Tour Our College:
drexel.edu/cci/about/our-facilities/
The College of Computing & Informatics

- One of the most comprehensive academic units in the nation
  - Focal point for computing at Drexel
- Co-op: An experiential reflection of industry demand
- Tier 1 research institution and graduate programs
- Diverse student population and faculty
- Special commitment to Women in Technology
- Ranked #1 in "Innovative Impact"
- Ranked in top ten by CodeSignal for top tech talent
- Philadelphia: Be at the cultural center of it all

60 Full Time Faculty
1,500 Undergraduate Students
2,400 Total Enrollment
237 International Students

#newdragons
“Networking with other women in tech fields has taught me a lot. It’s great to learn other people’s stories and discover how they got to be where they are right now.”

- Minh Le, BS Computer Science ‘21
A wide range of academic opportunities
Comprehensive Coverage of Computing and Informatics

- Computer Science
- Computing & Security Technology
- Data Science
- Information Systems
- Software Engineering
- Computing Theory Programming
- Economics and Data Science**
- Undeclared

**NEW Joint program with Lebow

#newdragons
Foundations, theory, and depth in specialty areas of the science of computing

- Complete required and elective courses from a variety of tracks:
  - Artificial Intelligence
  - Graphics and Interaction
  - Computer and Network Security
  - Game Design and Development
  - Data Structures and Algorithms
  - Numeric & Symbolic Computation
  - Computer Architecture
  - And Many More!

- Concentration in Computer Security
- Concentration in Game Programming and Development (GMPD)
- BS/MS Program available at 90 credits
Game Programming & Development Concentration

- Combines software development, programming and design skills
- Joint Program with Westphal College of Media Arts & Design
- Two tracks included:
  - Game Development and Design
  - Student’s Choice of Second Track

#newdragons
BS in Software Engineering

Software systems designed and built by teams

- Requirements, design, and development
- Development tools and techniques, product evolution, quality assurance, secure software

Challenges:
- Designing software that people enjoy using
- Leading software development teams
- Delivering high quality software products on time, within budget
IT Infrastructure management, planning, operation, and security

- Core IT infrastructure areas: networks, servers, databases, cloud and network security, ethical hacking, and more

- Concentrations in two areas
  - Computing Technology
  - Computing Security
Drexel CyberCorps

- $4 million grant from U.S. Department of Homeland Security and the National Science Foundation to launch a CyberCorps® Mentoring and Scholarship Program

- Full-tuition scholarship for last 2.5 years at Drexel

- Builds a diverse cybersecurity workforce by recruiting, mentoring and retaining all students especially:
  - Veterans
  - Women
  - Underrepresented minorities
Technology applied to meet the information needs of individuals and organizations

- Bridging two worlds:
  - Interact with clients to understand their information needs
  - Work with software developers to implement solutions
- Focus on requirements and system design, database definition, user experience and human-computer interaction
- Minor included in the degree
BS in Data Science

Discovery and visualization of information hidden in oceans of data

- Provide unique insights for science, business, or social good.
- Harness Big Data through data mining, data visualization, data curation, and exploratory data analysis.
- Develop insights about people’s behavior and solve problems that require huge and varied datasets.
- Minor included in degree (typically business or natural science).
BS in Economics and Data Science (STEM- Joint Degree Between LCB and CCI)

▪ One of only a handful of such programs at U.S. universities (e.g. Brown, Yale, Illinois, MIT)
▪ Benefits of a BS in Economics and Data Science:
  ▪ Increasing digitization of our lives makes the ability to analyze, interpret and report on data increasingly valuable
  ▪ Tools from data science allow students to manipulate and organize the increasingly large, varied and complex data that surround us
  ▪ Insight from economics equips students to use data for forecasting or to establish causal relationships
▪ Course offerings include:
  ▪ ECON 270 Using Big Data to Solve Economic and Social Problems
  ▪ INFO 250 Information Visualization
▪ 39 credits of free electives make it easy to customize
Explore All of the CCI Majors in Greater Depth Freshmen Year, before you commit

- Pre-arrival: Complete math placement exam and interest survey
- Work closely with CCI advising to select courses
- Participate in additional sessions about majors and career paths
- Declare major by the end of second term
- Complete freshman year in a CCI major

#newdragons
Comprehensive Coverage of Computing and Informatics

- Computing Theory
- Programming
- Team Dynamics
- Quality Assurance
- Software Engineering
- Game Development
- Computer Science
- Computing & Security Technology
  - Digital Forensics
  - Security Analyst
  - Servers and Networks
- Result Interpretation
- Social Media Analytics
- Data Science
  - Data Mining
- Information Systems
  - User Experience
  - Requirements Specification
- Data & Info Management
- Social Media Analytics
First Year at CCI – What Will You Study?

- Complete placement exams prior to first term
- Introductory coursework in your major
- Introductory programming
- Introduction to Drexel student life via UNIV 101
  - Co-op and Civic Engagement
  - Builds community among students, faculty, and staff
- CCI first-year design sequence – all CCI majors
  - Explore the basics of all the CCI majors
  - Work on a team project in an area you choose
- Math, English and (for some majors) Science
Test drive your career: Cooperative education (Co-op)

#newdragons
Cooperative Education (Co-op)

- Steinbright Career Development Center
- Gain diverse range of professional work experience
  - Up to 1 ½ years
- Co-op abroad

#newdragons

---

**#1**
CCI students earn the highest co-op salary out of all Drexel students

**8**
of the top 10 jobs of 2020 are tech positions (Glassdoor, 2020)

**$74,000**
Average starting salary for Drexel CCI Graduates (PayScale 2020 College Report)

---

**DREXEL CO-OPS VERSUS INTERNSHIPS**

- **STUDENTS ARE EMPLOYED FOR A 3 OR 6 MONTH PERIOD**
  - TYPICALLY LAST 2 - 3 MONTHS
- **MOST CO-OPS ARE PAID POSITIONS**
  - MANY INTERNSHIPS ARE UNPAID
- **STUDENTS DO MAJOR-RELATED WORK WITHIN THE GUIDELINES OF THEIR ACADEMIC PROGRAM**
  - WHILE POSITIVE, INTERNSHIPS ARE NOT NECESSARILY MAJOR-RELATED
- **CO-OPS ARE FOR ACADEMIC CREDIT AND PART OF A STUDENT’S OFFICIAL TRANSCRIPT**
  - INTERNSHIPS ARE USUALLY NOT A REQUIRED PART OF THE ACADEMIC PROGRAM
### Key:
- ● Academic Term
- □ Co-op Term
- ◆ Vacation

### Four Year, One Co-op Option

<table>
<thead>
<tr>
<th>Year</th>
<th>FALL</th>
<th>WINTER</th>
<th>SPRING</th>
<th>SUMMER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year One</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>◆</td>
</tr>
<tr>
<td>Year Two</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Year Three</td>
<td>□</td>
<td>□</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Year Four</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>◆</td>
</tr>
</tbody>
</table>

### Five Year, Three Co-op Option

<table>
<thead>
<tr>
<th>Year</th>
<th>FALL</th>
<th>WINTER</th>
<th>SPRING</th>
<th>SUMMER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year One</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>◆</td>
</tr>
<tr>
<td>Year Two</td>
<td>□</td>
<td>□</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Year Three</td>
<td>□</td>
<td>□</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Year Four</td>
<td>□</td>
<td>□</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Year Five</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>
98.5% of College of Computing & Informatics (CCI) students were employed on co-op in 2018-19.

Reported median hourly salary of paid co-ops from AY 2018–19:

- $23: Computer Science
- $20: Computing & Security Technology
- $20: Data Science
- $21: Information Systems
- $24: Software Engineering

Students work here:

- Bentley Systems, Inc.
- Bristol Myers Squibb
- Comcast Corporation
- Day & Zimmermann, Inc.
- Dell
- DIXC Technology
- Facebook
- Google
- Lockheed Martin
- National Board of Medical Examiners
- Oracle Primavera
- SAP America
- Security Risk Advisors
- Synechron
- International Group LLP
- UNISYS

Go to Steinbright and get to work:

Steinbright’s powerful combination of co-op and career services is a Drexel advantage for job placement and beyond. From the One-Year-Out Alumni Survey, graduating class of 2018:

- 98% of CCI graduates are working or enrolled in graduate or professional education.
- 47% of CCI co-op participants working full-time had received a job offer from a former co-op employer.
- 96% of those working full-time were satisfied with their position.
- 90% of those working full-time were satisfied with the level of responsibility in their position.

#newdragons
CCI Residential Learning Community

- College social events each term
- Co-op and employer networking events
- Corporate Partners Program

CCI Community

- Professional Academic Advisors
- Peer Mentor Program
- Cyber Learning Center
- iCommons student lab

#newdragons
CCI Student Opportunities

- Co-op Research Opportunities with Faculty
- The STAR (Students Tackling Advanced Research) Scholars Program
- Over 350 Student Organizations, many with Tech Focus, i.e. CyberDragons
- 18 Division 1 Teams
- 30 + Greek Letter Organizations
- Study Abroad
What’s Next?

- May 1st: Deadline to confirm enrollment
- Late June/Early July: Complete placement exams
- September: Welcome Week and Move-in (Classes start on September 20th)

In the Meantime…

- Join the CCI Discord (Open to Confirmed Students)
- Connect with the CCI Dean’s Ambassadors
- Check out the 3675 Market Virtual Tour
- Virtual Workshops
- CCI Digital Summer Camp
- Admitted Student Campus Tours
STEM Job Growth Through 2028

- Computing: 76%
- Engineering: 12%
- Mathematics: 7%
- Natural Sciences: 5%

Source: U.S. Bureau of Labor Statistics
Speak To A Dean’s Ambassador Today!

Visit:
drexelcci.info/ugda

#newdragons
Connect With Drexel CCI

facebook.com/drexelcci
@drexel_cci
@drexelcci
drexelcci.info/linkedin
youtube.com/drexelcci

Matt Lechtenberg
Director of Recruitment
ml333@drexel.edu

Amanda Tessler
Recruitment Specialist
art89@drexel.edu

Michaela Lee
Recruitment Specialist
ml3738@drexel.edu
Congratulations on your acceptance!

Contact us at cciinfo@drexel.edu