

Computer & Information Technology (CIT)

Purdue's For Me Class of 2026



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CIT Advising Contact Information:
polytechnic.purdue.edu/cit/advising

Faculty Administration



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Student Resources

CIT Admitted Students Q&A Website:

<https://polytechnic.purdue.edu/admitted-student-information/cit>

CIT Advising Website:

<https://polytechnic.purdue.edu/degrees/computer-and-information-technology/advising/registration>

This website contains links to many CIT Resources and course information.
Links include:

- This Purdue's For Me Presentation & FAQ's
- AP credit information
- Computer Recommendations
- Co-Curricular information
- And much more!



Computer and Information Technology Program

The **Department of Computer and Information Technology** educates professional practitioners and managers of information technology, accelerates information technology transfer to business and industry, and develops innovations in the application of emerging information technology through learning, engagement, and discovery by its faculty and students.

Departmental Highlights

- Founded in 1978
- In 2005 became one of the first ABET* accredited Information Technology programs in the country – and to date is the longest IT Accredited program (*Accreditation Board for Engineering and Technology: Computing Accreditation Commission)
- Over 40 faculty members throughout the CIT locations (West Lafayette and Statewide) with years of industry and academic experience
- Over 4,000 Alumni from the West Lafayette Programs (AS, BS, MS)

FALL 2021 Undergraduate Student Enrollment

1025
Students

244
First Year
Students

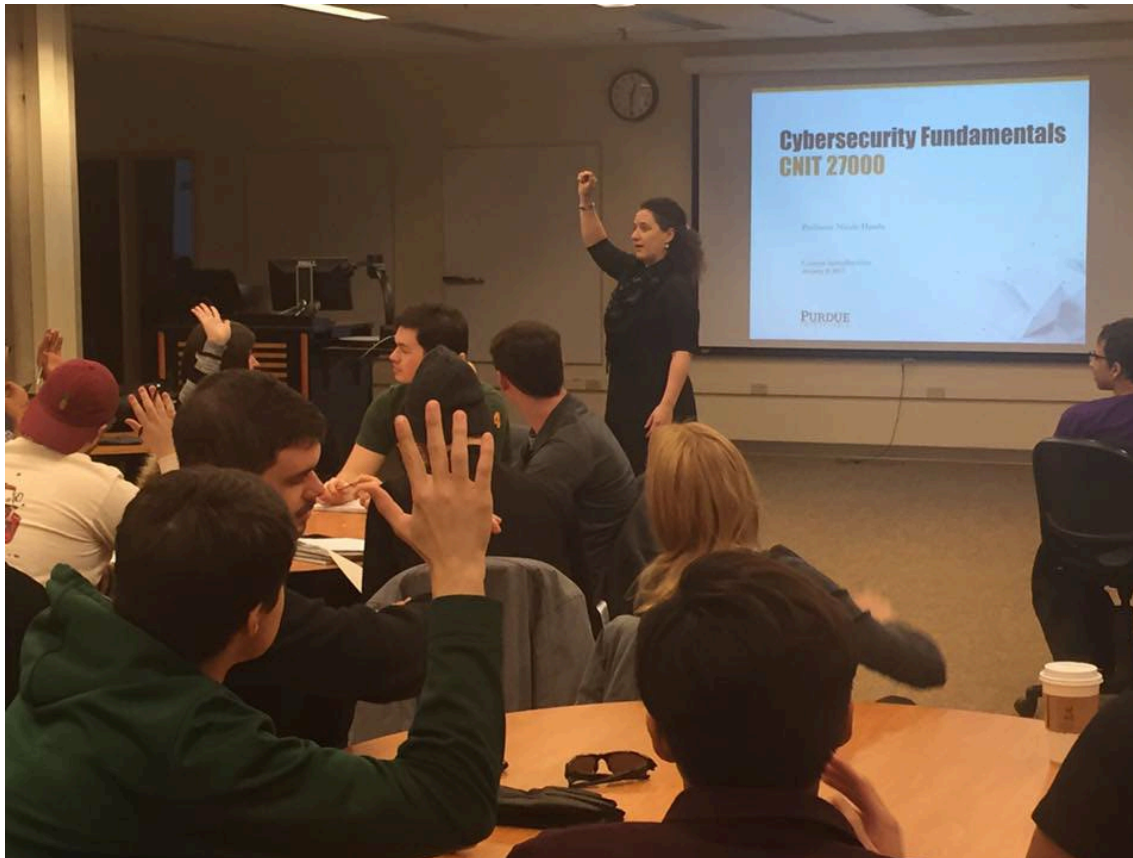


Average Class Sizes for required CNIT Courses

Based on Fall 2021 Enrollment

	Freshmen	Sophomore	Junior	Senior
Lecture	180	115	57	35
Lab	24	17	14	13

Modernized Teaching Methods



**CIT students and CIT Professor Nicole Hands engaging in
CNIT 27000 Cybersecurity Fundamentals**

Computing Majors @ Purdue

CIT Bachelor of Science Major Options

Students earn a Bachelor of Science from the Purdue Polytechnic

All majors require 120 credits

- **Computer & Information Technology (CNIT)**
Apply computer, networking, or database skills to challenges facing the internet, mobile technologies, cloud computing, cyber forensics, cyber security and more.
- **Computing Infrastructure and Network Engineering Technology (INET)***
Design, implement, maintain, and secure data networks, clients, servers, and other key information technology infrastructure components.
- **Cybersecurity (CSEC)***
Gain expertise in designing, building, managing and investigating IT systems and infrastructures while analyzing security risks and vulnerabilities.
- **Data Analytics Technologies and Applications (DATA)***
Learn to apply and evaluate data analytics, statistics, and machine learning for decision-making purposes.
- **Systems Analysis & Design (SAAD)***
Study how organizations use computer systems and procedures and then design information systems solutions to help them operate more efficiently and effectively.

***Students pursuing CSEC, DATA, INET or SADD may double major within the program within these majors only.**



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Computer & Information Technology (CNIT)

You will learn how to increase efficiencies as you work with computer applications, management information systems, databases and computer networks and will apply these skills to challenges facing the internet, mobile technologies, cloud computing and data management.

- ❖ Students are required to add a cross-disciplinary minor(s) or certificate based on individual interests. Examples include Advanced Global Technology, Business Management, Communications, Design and Innovation, Forensic Science and many more!

Purdue has over 100 minors to choose from!

Jobs you can have...

Business IT Analyst
App Developer
Database Administrator

Topics you will learn...

Programming
Systems Analysis and Design
Database Programming/Data Management



Computing Infrastructure & Network Engineering Technology (INET)

Previously: Network Engineering Technology (NENT)

Design, implement, maintain, and secure data networks, clients, servers, and other key information technology infrastructure components.

Jobs you can have...

Network Engineer

Cloud & Infrastructure Consultant

Network Architect

Topics you will learn...

Routing & Switching

Wireless (IEEE 802.11)

Unix Administration



Cybersecurity (CSEC)

Gain expertise in designing, building, managing and investigating IT systems and infrastructures while analyzing security risks and vulnerabilities.

Jobs you can have...

Security Analyst

Security Administrator

Cyber Risk Consultant

Topics you will learn...

Cryptography

Cyber Forensics

Offense and Defense

The RSA logo consists of the letters "RSA" in a bold, red, sans-serif font.The Deloitte logo features the word "Deloitte" in white, sans-serif font, with a small green dot after the "e", all set against a black rectangular background.

Polytechnic Institute

The Dell Technologies logo features the word "DELL" in a blue, stylized font with a diagonal line through the "E", followed by the word "Technologies" in a grey, sans-serif font.

Data Analytics Technologies & Applications (DATA)

Learn to apply and evaluate data analytics, statistics, and machine learning for decision-making purposes.

Jobs you can have...

- Data Scientist
- Data Engineer
- Data Analyst
- Data Architect

Topics you will learn...

- Database Fundamentals and Programming
- Enterprise Data Management
- Applied Machine Learning

The Oracle logo, featuring the word "ORACLE" in a bold, red, sans-serif font.The ExxonMobil logo, with "Exxon" in red and "Mobil" in blue, both in a bold, sans-serif font.

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Microsoft

Systems Analysis & Design (SAAD)

Study how organizations use computer systems and procedures and then design information systems solutions to help them operate more efficiently and effectively.

- ❖ Students are required to add a cross-disciplinary minor(s) or certificate based on individual interests. Examples include Advanced Global Technology, Business Management, Communications, Design and Innovation, Entrepreneurship and many more!

Purdue has over 100 minors to choose from!.

Jobs you can have...

Process Analyst
Systems Designer
Systems Architect

Topics you will learn...

Systems Development & Life Cycle
Project Management
Technology Commercialization



Polytechnic Institut



Purdue University Catalog

The Purdue University online catalog displays degree requirements and course descriptions by catalog term for majors, minors and certificates. Beginning June 1, 2022-2023 plans will be available.

<https://catalog.purdue.edu>

To view CIT degree requirements, choose **Polytechnic Institute** on the left hand side and scroll to the following area to see major requirements:

Department of Computer and Information Technology

[Go to information for this department.](#)

Programs ←

Baccalaureate

You may also review your degree requirements utilizing the myPurdue portal, Destination Graduation, myPurduePlan while familiarizing yourself with myPurdue in your VSTAR modules.

Sample First Year Courses

15-16 credits recommended

The following is a **sample** of your first year courses. There is a lot of flexibility in choosing non-CNIT courses to allow for flexibility in course scheduling.

First Semester

- CNIT Introductory Course(s)
- Intro to Composition or Intro to Communications
- MA 16010 (Applied Calculus I)
- Humanities Foundation Selective*
- TECH 12000 (Design Thinking in Technology) or TECH 12000H (for students in Honors Program)

Second Semester

- CNIT Introductory Course
- CNIT Introductory Course
- MA 16020 (Applied Calculus II)
- Intro to Composition or Intro to Communications
- Behavioral Social Science Selective

*CNIT Introductory Courses may vary by major and be impacted by AP or transfer credit previously earned.

Advanced placement, International Baccalaureate and Dual Credit

AP Credit

- The College Board Advanced Placement (AP) Program scores may not arrive until July.
- **Student** must request that the College Board submit the scores to Purdue University
- Purdue CODE: 1631
- College Board Website: <https://www.collegeboard.org/>
- See Handout to map AP Credits to CIT degree requirements here:
<https://polytechnic.purdue.edu/degrees/computer-and-information-technology/advising/registration>

International Baccalaureate Credit

- Exams can be taken at either the Subsidiary Level (SL) or at the Higher Level (HL).
- Credit normally will be awarded for HL subjects only, but there are a few exceptions. A list of courses is available here: <https://www.admissions.purdue.edu/transfercredit/ibcredit.php>

Dual Credit/Transfer Credit

If you have taken college courses in Indiana while in high school, you may receive direct transfer credit. The **student** must submit official college transcripts to the Office of Admissions for credits to be considered. Please submit electronically whenever possible: admissions@purdue.edu
admissions.purdue.edu/transfercredit/dualcredit.php

***Please submit as soon as completed for timely credit evaluation.**

Transfer Credit Guidelines

Courses taken for credit at other institutions may or may not transfer to Purdue for direct credit. To see how courses transfer, go to the Purdue Transfer Credit Course Equivalency Guide located on the Purdue [Admissions.purdue.edu](https://admissions.purdue.edu) website, or visit https://selfservice.mypurdue.purdue.edu/prod/bzwtxcrd.p_select_info

Sample: Calc I (MA 16010 Equivalencies)

Create a Report by Purdue Course - Results

Transfer School	Transfer Subject	Transfer Course	Transfer Title	Transfer Credits	Purdue Subject	Purdue Course	Purdue Title	Purdue Credits
Ball State Univ Muncie-IN	MATH	132 †	Brief Calculus	3	MA	16010	Applied Calculus I	3
Holy Cross Coll Notre Dame-IN	MATH	141	Survey Of Calculus I	3	MA	16010	Applied Calculus I	3
Holy Cross Coll Notre Dame-IN	MTH	141	Survey Of Calculus I	3	MA	16010	Applied Calculus I	3
Indiana Purdue Univ-Columbus	MA	16010 †	Applied Calculus I	3	MA	16010	Applied Calculus I	3
Indiana Purdue Univ-Columbus	MATH	16010	Applied Calculus I	3	MA	16010	Applied Calculus I	3
Indiana Purdue Univ-Columbus	MATH	M119	Brief Survey Of Calculus I	3	MA	16010	Applied Calculus I	3
Indiana Purdue Univ/Indpls	MATH	M119 †	Brief Survey Of Calculus I	3	MA	16010	Applied Calculus I	3
Indiana State Univ Terre Haute	MATH	301 †	Fund & Appl Of Calculus	3	MA	16010	Applied Calculus I	3
Indiana Univ East/Richmond	MATH	M119 †	Brief Survey Of Calculus I	3	MA	16010	Applied Calculus I	3
Indiana Univ Northwest Gary	MATH	M119 †	Brief Survey Of Calculus I	3	MA	16010	Applied Calculus I	3
Indiana Univ SE New Albany	MA	16010 †	Applied Calculus I	3	MA	16010	Applied Calculus I	3
Indiana Univ SE New Albany	MATH	M119 †	Brief Survey Of Calculus I	3	MA	16010	Applied Calculus I	3
Indiana University Bloomington	MATH	M119 †	Brief Survey Of Calculus I	3	MA	16010	Applied Calculus I	3
Indiana University Bloomington	MATH	V119	Applied Brief Calculus	3	MA	16010	Applied Calculus I	3
Indiana University Kokomo	MA	16010 †	Applied Calculus	3	MA	16010	Applied Calculus I	3
Indiana University South Bend	MATH	M119 †	Brief Survey Of Calculus I	3	MA	16010	Applied Calculus I	3
Indiana Wesleyan Uni Marion-IN	MAT	130 †	Applied Calculus	3	MA	16010	Applied Calculus I	3
Ivy Tech Community College-IN	MATH	201 †	Brief Calculus I	3	MA	16010	Applied Calculus I	3
Marian Univ Indianapolis-IN	MAT	215 †	Fund & Special App Of Calculus	3	MA	16010	Applied Calculus I	3

Career Placement

Placement* Data May 2020 (taken from <https://www.cco.purdue.edu/data/>)

Number of Responding Graduates	Placement Rate	Average Starting Salary
117	85.2%	\$70,718

Five Year Placement Rate: 92.6%

* Includes students employed and/or entering graduate school

Our Students CONNECT

Employment Opportunities

- CIT Computing Career Fair- September
- Polytechnic Career Fair- Each February
- Student Employment (Federal Work Study and Student Employment Opportunities)
- Purdue Center for Career Opportunities:

<https://www.cco.purdue.edu>

Student Organizations

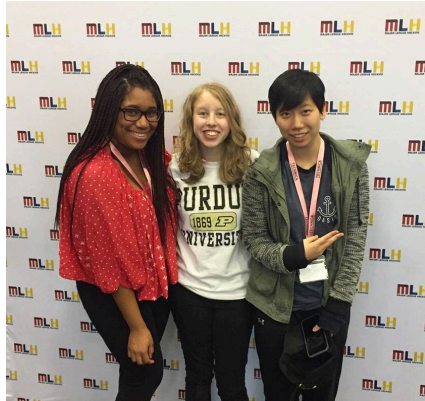
- CIT Student Council
- Association of Information Technology Professionals (AITP)
- Capture the Flag
- Cyber Forensics Club
- Minority Technology Association (MTA)
- Women in Cybersecurity
- Women in Technology (WIT)
- Over 1000 Student Organizations:

<https://boilerlink.purdue.edu/organizations>



Our Students COMPETE

Freshmen women winning Technica hackathon at the University of Maryland



Department of Energy's Cyberforce Competition at Argonne National Lab



Capture the Flag (CTF) Information Security Competition – Hosted by Raymond James Wealth Management (St. Petersburg, FL)



Our Students COLLABORATE



Grace Hopper, Orlando



Women in Cybersecurity Conference (WiCyS), Pittsburgh



Blackhat
Cybersecurity
Conference and
Training
Sessions, Las
Vegas

CIT Study Abroad Opportunities

Polytechnic Office of Globalization

<https://polytechnic.purdue.edu/office-of-globalization>

Purdue Study Abroad

<https://www.purdue.edu/IPPU/SA/>

Alicante, Spain

Padova, Italy

Singapore

Peru

Prague, Czech Republic

Lucerne, Switzerland

Brisbane, Australia

Lancaster, UK

Darmstadt, Germany

Dublin, Ireland



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Learning Communities

Incoming students to Purdue for Fall 2022, can apply to a learning community starting **January 18th**. **April 15th** is the priority application deadline to be placed in a learning community. Applications submitted or modified after April 15th will be considered based on availability following the initial placement period.

Students who apply for a Learning Community by the **April 15th priority deadline** will be notified of their placement status through their Purdue email account around May 1st.

A **housing contract** with University Residences must be completed prior to applying for a learning community. After accepting your admissions, wait two business days to gain access to the housing contract portal.

LC Profiles: <https://www.purdue.edu/learningcommunities/profiles/index.html>

Review the associated courses and how they could apply to your major and your goals.

Information above is subject to change. If you are placed in the LC, the associated courses will be on your schedule prior to you registering for the rest of your courses. Not all LC courses are approved for use on plans of study.

Next Steps to Becoming a Boilermaker!

1. Accept your offer to Purdue! (admissions.purdue.edu/admitted/acceptoffer.php)
Complete all steps on the New Student Checklist including the Student Information Form which includes listing completed AP, IB and Dual Credit courses. All information is sent to the Office of Admissions
 - AP test scores: **College Board Purdue Code: 1631**
 - Send IB test scores to Purdue Office of Admissions
 - Dual credit and transfer credit courses need to be sent to Purdue Office of Admissions; Official transcript must come from institution awarding credit.
2. Enroll to participate in VSTAR. Be watching your email in May for next steps!
3. Activate Boilerkey on the student's phone.
4. Sign up for Boiler Gold Rush (BGR) orientation in August
5. Monitor your @purdue.edu email account for important information. CIT will send correspondence from your assigned advisor and CIT-Advising@purdue.edu
 - DO NOT forward this account! You will miss crucial messages from Purdue.

Q&A

Virtual Tour

CIT Facilities: <https://www.youtube.com/watch?v=LUirWKGKNog>

CIT Program:

<https://polytechnic.purdue.edu/degrees/computer-and-information-technology>

Email: CIT-Advising@purdue.edu

Q&A: <https://polytechnic.purdue.edu/admitted-student-information/cit>
polytechnic.purdue.edu



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