

# **Computer & Information Technology (CIT)**

## **Purdue's For Me Class of 2025**



## Academic Advisors



Melody Carducci



Lisa Klein



Lauren Lucas



Angie Murphy

**CIT Advising Contact Information:**  
[polytechnic.purdue.edu/cit/advising](http://polytechnic.purdue.edu/cit/advising)

## Faculty Administration



**Thomas J Hacker, Ph.D.**  
**Interim Department Head**  
**Professor**



**Dawn Laux, Ph.D.**  
**Clinical Associate Professor**  
**Associate Department Head**



**Phillip T Rawles**  
**Associate Professor**  
**Associate Department Head**



**Julia Taylor Rayz, Ph.D.**  
**Associate Professor**  
**Assistant Department Head**

## 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
  - Plan of Study Comparison Charts
  - Transfer Credit Form and information
  - Critical Paths for all 4 majors
  - Co-Curricular information
  - And much more!



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 accredited Information Technology programs in the country – ABET 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 2020 UNDERGRADUATE STUDENT ENROLLMENT*

916  
Students

220  
First Year Students





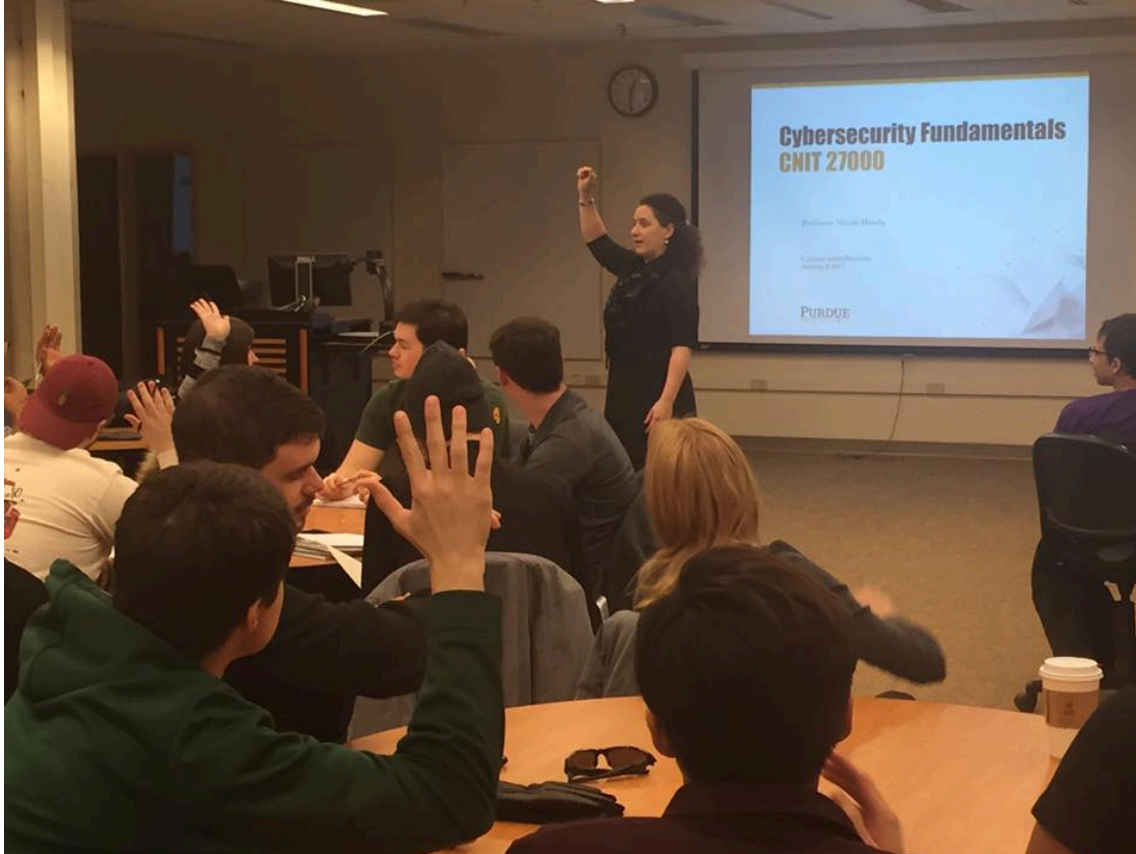
## Average Class Sizes for CIT Major Courses

Based on course limits

	Freshmen	Sophomore	Junior	Senior
Lecture	225	120	65	55
Lab	28	20	20	20

# CIT Active Learning Classroom

CIT students and CIT Professor Nicole Hands



## Teaching Methods

In a shift away from lectures, our active-learning teaching methods make students – not instructors – the center of classroom attention.



**Students earn a Bachelor of Science from Purdue Polytechnic with the following major options:**

- **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.

- **Computer 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.

- **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, INET or SADD may double major within the program within these three majors.

## 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 will 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



## Computer 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, centered within a black rectangular background.

## 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 will 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



The Purdue University online catalog displays degree requirements and course descriptions by catalog term for majors, minors and certificates. Beginning June 1, 2021-2022 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



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 18000** (Intro to Systems Development)
- **SCLA 10100** (Intro to Composition) or **SCLA 10200** (Intro to Communications)
  - AP ENGL and COM credit may apply\*
- **MA 16010** (Applied Calculus I)
  - AP Credit may apply\*
- **Humanities Foundation Selective\***
- **TECH 12000** (Design Thinking in Technology) or **TECH 12000H** (for students in Honors Program)

## Second Semester

- **CNIT 15501** (Intro to Software Development)
  - AP Credit may apply\*
- **CNIT 17600** (Information Tech Architectures)
- **SCLA 10100** (Intro to Composition) or **SCLA 10200** (Intro to Communications)
  - AP ENGL and COM credit may apply\*
- **TLI 11200** (Foundations of Organizational Leadership)

# 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

## 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. You must submit official college transcripts to the Office of Admissions for credits to be considered. Please submit electronically whenever possible: [admissions@purdue.edu](mailto:admissions@purdue.edu)  
[admissions.purdue.edu/transfercredit/dualcredit.php](https://www.admissions.purdue.edu/transfercredit/dualcredit.php)

## TRANSFER CREDIT GUIDELINES

Courses taken for credit at other institutions may 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://selfservice.mypurdue.purdue.edu/prod/bzwtxcrd.p) website

<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

## Our Students CONNECT

### Employment Opportunities

#### CIT Career Fair- September

<https://polytechnic.purdue.edu/departments/computer-and-information-technology/career-resources/computing-career-fair>

#### Polytechnic Career Fair- February

<https://polytechnic.purdue.edu/career-fair>

#### Student Employment (Federal Work Study and Student Employment Opportunities)

<http://www.purdue.edu/dfa/studentjobs.php>

#### Purdue Center for Career Opportunities:

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

### Student Organizations

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

#### CIT Student Council

<https://www.citstudentcouncil.org/>

#### Cyber Forensics Club

<https://www.boilerlink.purdue.edu/organization/pcf>

#### Minority Technology Association (MTA)

[boilerlink.purdue.edu/organization/minoritytechnologyassociation](https://boilerlink.purdue.edu/organization/minoritytechnologyassociation)

#### Women in Cybersecurity

<https://wicyspurdue.wordpress.com/>

#### Women in Technology

<https://boilerlink.purdue.edu/organization/womenintechology>



## Career Placement

### Placement Data May 2019\*

<u>Number of Graduates</u>	<u>Placement Rate</u>	<u>Average Starting Salary</u>
<b>107</b>	<b>95.8%</b>	<b>\$68,452</b>

**Five Year Placement Rate: 90-98%**

## Our Students COMPETE

Freshmen women winning 2017 Technica hackathon at the University of Maryland



Department of Energy's Cyberforce Competition at Argonne National Lab 2019



2019 Capture the Flag (CTF) Information Security Competition – Hosted by Raymond James Wealth Management (St. Petersburg, FL)





## Our Students COLLABORATE



Grace Hopper, Orlando –  
September 2019



Women in Cybersecurity Conference (WiCyS), Pittsburgh - March 2019



Blackhat  
Cybersecurity  
Conference and  
Training Sessions,  
Las Vegas -  
August, 2019

## CIT Study Abroad Opportunities

Alicante, Spain

Peru

Brisbane, Australia

Darmstadt, Germany

Padova, Italy

Prague, Czech Republic

Singapore

Lucerne, Switzerland

Lancaster, UK

Dublin, Ireland



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# Women in Technology (WIT)

You will take TECH 10100, a one-credit hour course that explores gender communication, values, challenges, and successes of women working in technology-related fields, which will help jump-start your technology career. Programs include presentations by successful women in technology fields, opportunities for exploring the kinds of corporations with the best environments for women, and discussion issues pertinent to women in technology. This learning community is a great way for you to build friendships and study groups. Many of these students will have similar interests and provide you with contacts to carry with you as an undergraduate student and beyond. It is possible to participate in this learning community in combination with another Purdue Polytechnic Institute learning community. **For more information on the Women in Technology organization, call (765) 494-7522, or e-mail Toni Munguia at [amunguia@purdue.edu](mailto:amunguia@purdue.edu).**

## Eligibility

First-time beginning students admitted to the Purdue Polytechnic Institute with a major in Computer and Information Technology.

## Residential Component

Female students from this learning community must reside in [Meredith South Hall](#)

Male students from this learning community must reside in [Harrison Hall](#)

Students who are required to reside in a different residence hall (e.g. due to the Honors College or athletics participation) or who do not sign a housing contract may not participate in this learning community

Your roommate in most cases will be a member of the learning community

**Completing a housing contract is a separate process from applying for a learning community**

## Associated Class

**TECH 10100** - Women in Technology: Exploring the Possibilities

## Events and Activities Included:

Milk and cookies study break

Guest speakers

Video game night

Periodic meals with faculty members



# How to Accept your Purdue Offer of Admission! - **COMPLETE BY 5/1/2021!**

1. Go to Purdue Undergraduate Admissions  
([admissions.purdue.edu/admitted/acceptoffer.php](https://admissions.purdue.edu/admitted/acceptoffer.php))
2. Activate your online Student Career Account using your Purdue University ID (**PUID**) number and your password (**provided on your offer letter**).
3. This will allow you access to the myPurdue Portal. Use the link on the New Student page to Accept Your Offer of Admission
4. Pay your \$400 nonrefundable deposit when accepting (if your deposit is waived, **you still must accept the offer of admission**)
5. After accepting, logout of myPurdue and login again using your Career Account username and password  
You will now have access to other pages within the myPurdue student portal
6. Complete New Student Task List
  - Register for VSTAR
  - Complete Student Information form
  - Register for Boiler Gold Rush (BGR)
  - Contract with University Residences  
for on-campus housing

The screenshot shows the 'Purdue University Identity and Access Management' (IAMO) page. The header includes the Purdue University logo and the text 'Information Technology at Purdue'. Below the header is a navigation bar with links: 'About IAMO', 'How Do I...', 'Services', 'Tools', and 'SecurePurdue'. The main content area is titled 'Welcome to Purdue University!' and contains a form for activating a new Purdue Career Account. The form asks for a 10-digit PUID number, a date of birth (mm/dd/yyyy), a career account setup password (case sensitive), and a retyped password (case sensitive). There is a 'Continue' button at the bottom of the form. A footer section contains copyright information and contact details for the IAMO team.

**PURDUE UNIVERSITY** Identity and Access Management

Information Technology at Purdue

About IAMO How Do I... Services Tools SecurePurdue

ITaP Main > IAMO Home > User Account Information > Account Setup

**Welcome to Purdue University!**

To activate your new Purdue Career Account, please enter the following information:

Enter your 10 digit PUID number:  (xxxxxx-xxxxxx)

Please enter your date of birth:  (mm/dd/yyyy) (November 21, 1980 is 11/21/1980)

Please enter your career account setup password:  (case sensitive)

Please retype your career account setup password:  (case sensitive)

For more information please see this help article.

Purdue University, West Lafayette, IN 47907, (765) 494-4600  
© 2010 - 2013 Purdue University | An equal access/equal opportunity university | Copyright Complaints  
If you have trouble accessing this page because of a disability, please contact the CSC at itap@purdue.edu or (765) 494-4000.

Feedback | Contact Purdue  
Maintained by: IAMO Team

- You may be prompted to set up your Boilerkey (two-factor authentication)

- **Please complete with student phone**



## **Virtual Student Transition, Advising and Registration (VSTAR)** **<https://www.purdue.edu/orientation/vstar/>**

- VSTAR is an online orientation that helps new beginners and transfer students in their transition to campus. This is a self-guided orientation and when students receive academic advice and pre-register for initial courses.
- Registration for VSTAR is available through the **myPurdue** portal

# **BGR – Boiler Gold Rush**

**[www.purdue.edu/bgr](http://www.purdue.edu/bgr)**

Boiler Gold Rush (BGR) is our welcome week orientation program for new undergraduate students. BGR takes place the week before Fall classes begin, and Purdue encourages all incoming students to take part. You'll learn about campus traditions, Purdue culture and University resources. It's also a great chance to make lasting friendships and learn how to be a successful Boilermaker.



# Recap of Next Steps to Becoming a Boilermaker!

- Accept your offer to Purdue!
- Remit an advanced deposit of \$400 by May 1<sup>st</sup> to accept your admission to Purdue
- Complete all steps on the New Student Checklist including the Student Information Form which includes listing completed AP, IB and Dual Credit courses
- Enroll to participate VSTAR
- Send AP test scores (**College Board Purdue Code: 1631**) to Purdue Office of Admissions
- Send IB test scores to Purdue Office of Admissions
- Send dual credit and transfer credit transcripts to Purdue Office of Admissions
- Activate Boilerkey on the student phone
- **Sign up for BGR**
- **Monitor your @purdue.edu email account for important information. CIT will send correspondence from your assigned advisor and CIT-Advising@purdue.edu**



**Follow us on social media!**

**@PurdueCIT**

