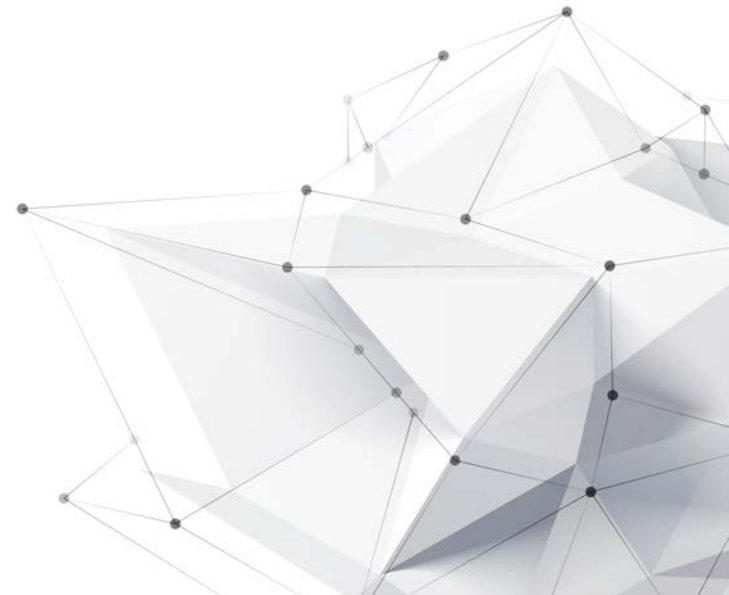


# Computer & Information Technology (CIT)

Purdue's For Me  
Class of 2023



# CIT ADVISORS



Darcy Allen

Lisa Klein



Angie Murphy

Abby Stellwagen



# CIT FACULTY ADMINISTRATION



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

Phillip T Rawles  
Associate Professor  
Associate Department Head



Dawn Laux  
Clinical Associate Professor  
Associate Department Head

Julia Taylor Rayz  
Associate Professor  
Assistant Department Head



# GUEST INTRODUCTIONS

WE WOULD LIKE TO GET TO KNOW YOU!

Please share:

Your Name

High School and Hometown

Who you have with you today?

Why are you interested in computing?

# CIT RESOURCES

## CIT Registration Website:

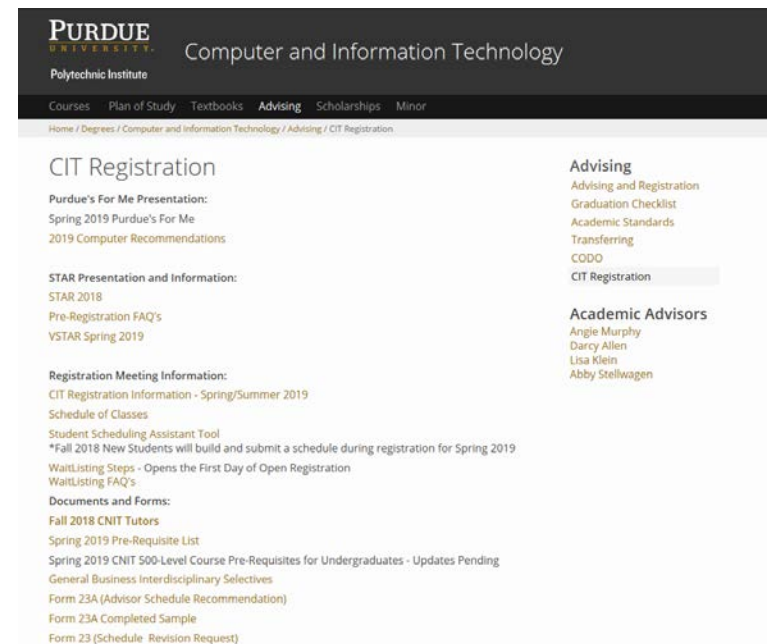
<https://polytechnic.purdue.edu/degrees/computer-and-information-technology/advising/registration>

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

Links include:

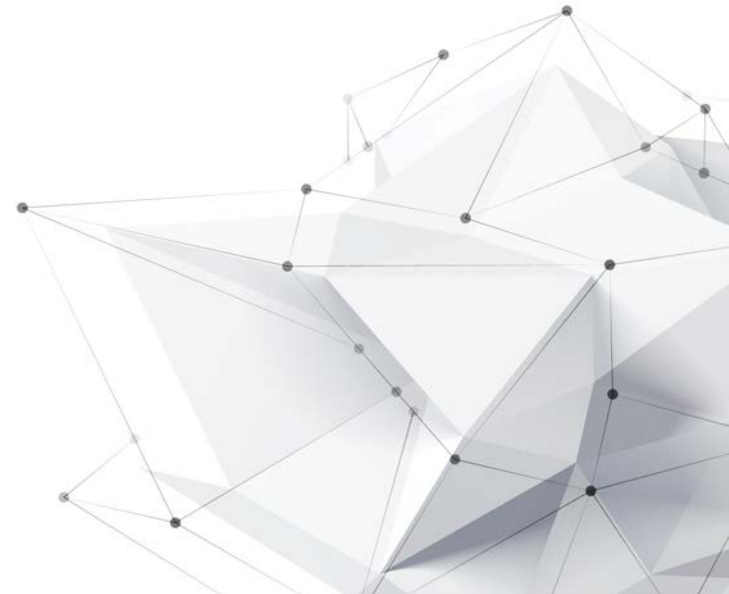
- This Purdue's For Me Presentation
- AP credit information
- Computer Recommendations
- Plan of Study Comparison Charts
- Transfer Credit Form and information
- Critical Paths for all 4 majors
- Co-Curricular information
- And much more!

Google key words: Purdue CIT Registration

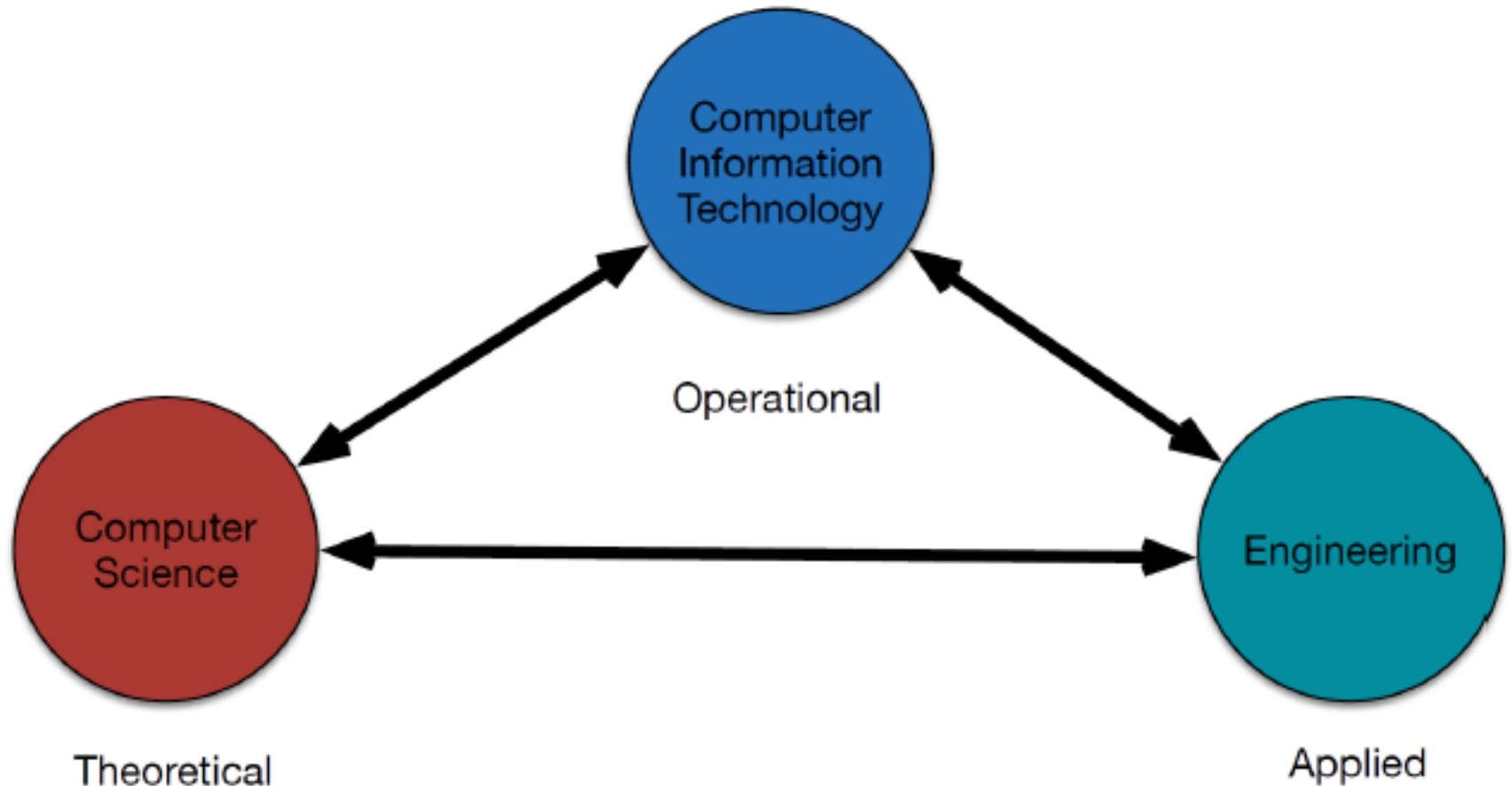


# Computing at Purdue

Professor Rawles



# UNDERSTANDING THE COMPUTING TECHNOLOGY SCIENCES



# Computer & Information Technology (CIT) Department

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 History & Information

- Founded in 1978
- First accredited Information Technology program in the country
- Over 40 faculty members with years of industry and academic experience
- Over 3,900 Alumni from the West Lafayette Programs (AS, BS, MS)



# Computer & Information Technology (CIT) Department

## **Bachelor of Science 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.

- **Cybersecurity (CSEC)**

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

- **Network Engineering Technology (NENT)**

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

- **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.

**Full plans of study are available on the Purdue University Catalog:** <http://catalog.purdue.edu/>

Polytechnic Institute: Department of Computer & Information Technology

Programs Baccalaureate

(2019-20 plans will be available **June 1.**)

# CIT RANKING

CIT has been ranked as the #4 best Bachelor of Science in IT program in the Nation!

#1 Public University

<http://www.collegechoice.net/rankings/best-information-technology-degrees/>



# #4

**BACHELOR OF SCIENCE  
IT DEGREE PROGRAM  
IN THE NATION**



# CURRENT STUDENT ENROLLMENT

**2018 - 2019**

**CIT Enrollment**

**Undergrads: 806**

**First-year Students: 229**



# AVERAGE SIZE FOR CIT MAJOR COURSES

*(BASED ON CAPACITY AND CLASSIFICATION LEVEL – FALL 2018)*

	Freshmen	Sophomore	Junior	Senior
Lecture	180	115	60	45
Lab	28	20	20	20

# PLACEMENT

## Placement Data May 2018\*

<u>Number of Graduates</u>	<u>Placement Rate</u>	<u>Average Salary</u>
<b>90</b>	<b>98.3%</b>	<b>\$66,533</b>

### Potential Job Titles:

- Application developer
- Business analyst
- Cyber Risk Consultant
- Data analyst
- Database administrator
- IT Consultant
- Network administrator
- Network consulting engineer
- Security specialist
- Software engineer
- Systems Analyst
- Technical Support Analyst
- Web Developer

# MOST COMMON EMPLOYERS (2013 – 2018)





# WHERE DO CIT GRADS GO?

ALL OVER THE WORLD!



# ENGAGEMENT

## **Student Organizations (<https://boilerlink.purdue.edu/organizations>)**

### **CIT Student Council**

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

### **Women in Cybersecurity**

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

### **Women in Technology**

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

### **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)



## **Employment Opportunities**

### **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>

**CIT Career Fair- September**

**Polytechnic Career Fair- February**



# OUR STUDENTS COMPETE

STUDENTS ATTENDED TECHNICA HACKATHON AT THE UNIVERSITY OF MARYLAND & SHEHACKS BOSTON

\*MLH: MAJOR LEAGUE HACKING



1<sup>st</sup> – Digital Industrial by GE Hack  
2<sup>nd</sup> – Best VR Hack by Facebook  
Technica Hackathon

CIT'S CYBERSECURITY CLUB STUDENTS COMPETED IN A CYBER DEFENSE COMPETITION (DEPARTMENT OF ENERGY'S CYBERFORCE COMPETITION) AT ARGONNE NATIONAL LAB



3<sup>rd</sup> Place at Argonne Location

# OUR STUDENTS ATTEND CONFERENCES



# ADVANCED PLACEMENT, INTERNATIONAL BACCALAUREATE AND DUAL CREDIT

- **AP Credit**

The College Board Advanced Placement (AP) Program scores may not arrive until July. These scores must be submitted by the College Board directly to Purdue University (CODE: 1631).

- **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**

If you have taken college courses in Indiana while in high school or at another University, you **may** receive direct transfer credit if the courses were taken for dual credit (high school and college).

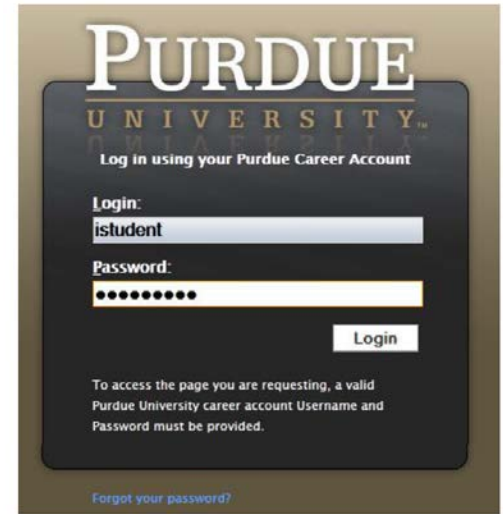
**You must submit official college transcripts to the Office of Admissions for dual credits to be considered. Please submit electronically whenever possible: [admissions@purdue.edu](mailto:admissions@purdue.edu)**

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



# NEXT STEPS...

1. Log in to myPurdue (mypurdue.purdue.edu) with your Career Account username and password
2. Complete the Consent to Conduct Business electronically verification
3. Use the link on the New Student page to Accept Your Offer of Admission
4. Select the Pay My Advance Fee Deposit and make a payment
5. After accepting your admission offer, 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. In addition, once you have accepted your offer, you will be able to complete other items on the New Student Task List, such as registering for the Summer Transition, Advising and Registration program (STAR), Boiler Gold Rush (BGR), the new student orientation program, contracting with University Residences for on-campus housing, and other activities you'll need to complete prior to enrolling.



# SUMMER TRANSITION, ADVISING AND REGISTRATION (STAR)

[HTTPS://WWW.PURDUE.EDU/STUDENTSUCCESS/ORIENTATION/STAR/](https://www.purdue.edu/studentsuccess/orientation/star/)

- STAR is Purdue's program for new undergraduate students to receive academic advice and pre-register for initial courses.
- Incoming students (for the Fall term) will select their one-day STAR session and come to Purdue's West Lafayette campus to conduct this and other important business.
- Registration for STAR is available through myPurdue
- **CIT STAR Date Range: June 13 – July 10**
- If you are unable to attend the on campus STAR, you may request to complete VSTAR (Virtual)

# BOILER GOLD RUSH (BGR)

**[HTTPS://WWW.PURDUE.EDU/ORIENTATION/BGR/](https://www.purdue.edu/orientation/bgr/)**

**August 12 – 17, 2019**

**Over 90% of incoming students participate**

## **Orientation Week**

Move in Early!

Learn your way around campus

Get information about all of the different campus resources

Meet new people

Network with Purdue faculty and staff

Participate in special activities (Social Events, Presentations, Resource Fairs)

Have FUN getting to know your new home!

To register for BGR, simply register online via the myPurdue portal and submit your payment (BGR 2019 has a program fee of \$320). Once you have registered and paid for the program, you will receive a confirmation.

# CIT LEARNING COMMUNITY

INCOMING STUDENTS TO PURDUE CAN APPLY JANUARY 15 - JULY 19, 2019. MAY 5, 2019 IS THE PRIORITY DEADLINE.

LEARNING COMMUNITY PROFILE PAGES HAVE BEEN UPDATED TO REFLECT OFFERINGS FOR THE 2019-20 ACADEMIC YEAR.

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

The CIT Learning Community will help you get off to a good start in the Computer and Information Technology program in the Polytechnic Institute at Purdue. You will have the opportunity to develop friendships, connect with faculty, and form study groups. You will take required courses from your curriculum with other participants and participate in activities that will help you be a successful first-year student.

- Associated Class: CNIT 18000 (Gateway Course)
- Duration: Fall 2019 Semester
- Residential Component

Students from this learning community reside in McCutcheon Hall

Information about this residence hall can be found :

<https://www.housing.purdue.edu/Housing/Residences/McCutcheon/index.html>

Circumstances preventing a student from living in this hall, such as participating in the Honors College or living off-campus, will be taken into consideration when conducting the placement process

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

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

- Events and Activities Included
  - Purdue Polytechnic Family Day
  - Video game night
  - Periodic meals with faculty members

# WIT WOMEN IN TECHNOLOGY LEARNING COMMUNITY

[HTTPS://WWW.PURDUE.EDU/LEARNINGCOMMUNITIES/PROFILES/TECHNOLOGY/WOMEN\\_IN\\_TECHNOLOGY.HTML](https://www.purdue.edu/learningcommunities/profiles/technology/women_in_technology.html)

Are you interested in the success of women in the Purdue Polytechnic Institute? If so, you have the opportunity to apply for participation in the Women in Technology LC. This LC 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.

- Associated Class: Tech 10100 (1 credit hour)
- Duration: Fall 2019 and Spring 2020
- Residential Component
  - REQUIRED in McCutcheon Hall** (\*Students in Honor's LC can be in WIT as long as they take TECH 10100.)
- Eligibility
  - First-time beginning students admitted to the Purdue Polytechnic Institute (not available to Honors College participants)
- Events and Activities Included:
  - Network with female leaders in industry from VP's, Directors, CIOs, and Pilots
  - Take field trips to attend performances, cultural events, and more
  - Periodic meals with faculty members

**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).**



# INFORMATION TO REMEMBER

- Remit an advanced deposit of \$400 by May 1<sup>st</sup> to accept your admission to Purdue
- Select a day in June or July to participate in STAR
  - Pre-register for fall classes, receive student ID, visit residence hall, etc.
- If you cannot go to STAR, you can request VSTAR.
- Send AP test scores (College Board Purdue Code: 1631)
- Send dual credit transcripts to Office of Admissions
- **Sign up for BGR & pay \$320 fee**

# Q&A





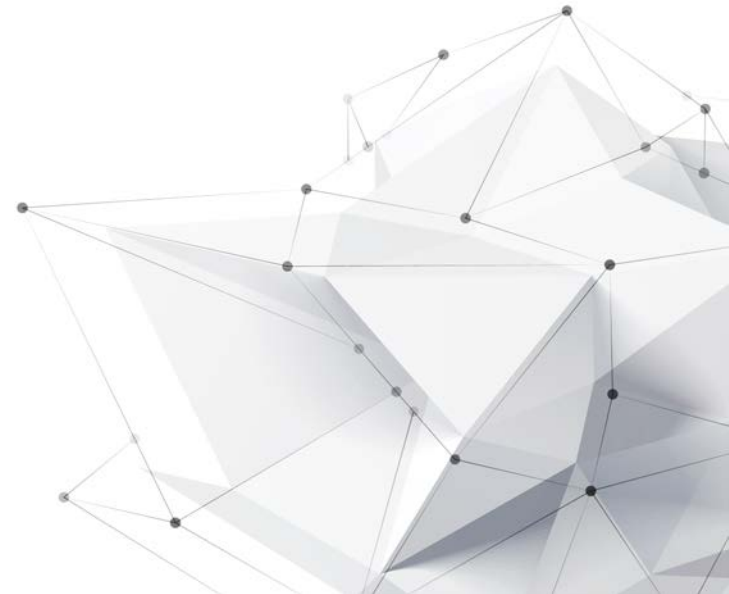
# Follow us on social media!

@PurdueCIT



# Tour!

**PURDUE**  
POLYTECHNIC



# CIT UNDERGRADUATE RESEARCH OPPORTUNITIES

**Research: A Mixed-Methods Approach to Characterizing Engineering Students' Computational Habits of Mind**  
(Oct '18)

**Co-Principal Investigator:** Alejandra Magana

**Cybersecurity and Safety Challenges in Autonomous Vehicles: Threats Identification and Countermeasures Development** (Oct '18)

**Principal Investigator:** Byung-Cheol Min

**US CMS Group at Purdue University for Activities Related to the US CMS Software & Computing Subsystem** (Oct '18)

**Co-Principal Investigator:** Thomas Hacker

**Supporting Controlled Unclassified Information with a Campus Awareness and Risk Management Framework**  
(Sep '18)

**Principal Investigator:** Baijian Yang

**Integrating Human and Machine for Post-Disaster Visual Data Analytics: A Modern Media-Oriented Approach**  
(Sep '18)

**Co-Principal Investigator:** Thomas Hacker

**Towards Autonomous Robotic Systems for Control of Harmful Algae Blooms** (Aug '18)

**Principal Investigator:** Byung-Cheol Min



Smart Machine & Assistive Robotics Technology  
(SMART) Lab



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