Computer & Information Science Curriculum and Advising
Hello from the Computer Science Advisor!

• Tenille Bullock — Undergraduate Academic Advisor and Program Coordinator
• Office Location: SL 280N
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• Schedule appt: Student Appointment Scheduler
Why see an academic advisor…

- Defining and developing educational career plans
- Navigating campus life
- Registration preparation
- Pre-requisite, course and degree requirement questions
- Understanding and following policy & procedure
  - Withdrawal, grade requirements, add/drop
- Resource referral
- Academic struggles and celebrations
- Internship and career questions
- Degree Audit
  - Understanding your Academic Advising Report
Your Role and Responsibility as a Student

- Be familiar with all academic requirements
- Seek appointments with academic advisors in advance of registration
- Understand that the responsibility for determining an appropriate academic program and for meeting every degree requirement rests with the student

- **FERPA** - IUPUI, in compliance with the Family Educational Rights and Privacy Act (FERPA), provides that, with the exception of directory information, all student records are confidential and available only to the student.
Importance of your IUPUI Email

Check your IUPUI email regularly! This is used as official university communication.

Job postings, campus events, important dates and other valuable information
Become involved at IUPUI!

• Take advantage of unique opportunities to complement your studies (club involvement, internships, research, study abroad, service learning, RISE courses)

https://theden.iupui.edu/
https://cs-club.slack.com

Women in Computer Science (WiCS) Club
Bachelor Degrees in Computer Science

120 credit hours required
How to stay on track to finish in 4 years?

Complete approximately 30 credit hours each year (Fall, Spring, Summer)

Balance school, life, work and studying
CSCI Bachelor Degree Options

Bachelor of Science (BS)
- 5 Math classes required
- Fewer Applied Courses, More Theoretical Courses
- Math Minor can be easily earned

Bachelor of Arts (BA)
- Applied Focus
- 2\textsuperscript{nd} Part of Core Differs
  - N Series/Applied courses
- Room to accommodate a world language
- Room for more general, open electives (add a minor)
Other Undergraduate Degree Options

Biocomputing Track
- Pre-med requirements incorporated in degree requirements
- Life science concentration
- Gives students another career option if medical school doesn’t work out

Dual BS/MS program
- Completion of 60 credits
- 3.2 GPA or better
- A’s or high B’s in CSCI courses through CSCI 36200
- Allows you to “double count” 3 graduate level classes toward BS AND MS thus completing MS in 1 year
Math Requirements for Each Degree

**Bachelor of Science, CS**

MATH 16500 Calculus I
MATH 16600 Calculus II
MATH 17100 Multidimensional Math
(MATH 26100 Multivariate Calculus for math minor)
STAT 35000 Statistics
MATH 35100 Linear Algebra

**Bachelor of Arts, Applied CS**

MATH 15300 College Algebra
MATH 15400 Trigonometry
STAT 30100 Elementary Statistics

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IUPUI SCHOOL OF SCIENCE
Core Computer Science Courses

- **CSCI 23000 Computing I** (MATH 15300 is a co-requisite)
- **CSCI 24000 Computing II** (MATH 15300 and CSCI 23000 are prerequisites)
- **CSCI 34000 Discrete Computational Structures** (MATH 15300 is a pre-requisite) – taken along side CSCI 24000
- **CSCI 36200 – Data Structures** (CSCI 24000 and CSCI 34000 are prerequisites)
Computer Science Elective Areas

• Software Design and Engineering
• Database Systems and Data Science
• Networking and Security
• Graphics and Visualization
• Web programming
• Artificial Intelligence
• Data Mining
Life and Physical Science Course Options

• It is a limited list compared to the campus-wide listing.
• Requirement is 4 lecture courses, one course MUST have a lab component. BS majors – this lab component is met through PHYS 15200.
• Astronomy and Geology courses are popular. If you have an interest in working in the life sciences, you may want to consider biology and/or chemistry.
• This list is available online – Canvas Site /iGPS
Viewing Degree Requirements

- Checklists – [CS Advising Canvas Site](https://canvas.indiana.edu)
- Academic Advisement Report – [one.iu.edu>Academic Advisement Report](https://one.iu.edu)
- iGPS – degree maps and course descriptions
Computer Science Advising Canvas Site

One-Stop-Shop for all things CS advising related!

- Degree checklists and general education course options
- CS Senior capstone options
- Grade Replacement Policy
- Drop Procedure
- And more!

To be added to the course – email tbullock@iupui.edu
Other Important Resources

**School Bulletin**
- Degree Requirements
- School Policies and Procedures
- Course Descriptions

**Student Central**
- Academic Calendar
- Tuition and Fee Information
- GPA Calculator
Benefits of Adding a Minor or Certificate

- Allows you to take courses in an outside area of study – for personal interest or added expertise
- Adds versatility to a major
- Demonstrates a strong work ethic to potential employers
- Stand out to employers
Pursuing a Minor or Certificate

The decision to pursue a minor or certificate depends on your academic and personal interests. Some questions to ask yourself include:

• How much more time will it take for me to graduate?
• Is it worth it to me to spend the extra time and money?
• How important is the minor or certificate to me?
• Do I want to add more skills for personal reasons or make my skills more competitive in the job market?
• Explore IUPUI Minor Options
Math Minor - great option for BS students

• MATH 16500
• MATH 16600
• MATH 17100
• MATH 26100 (pre-req of MATH 35100 or 51100 anyway)
• MATH 35100 (or 51100)
• STAT 35000
(grade of C or better in each course needed)

• Declare your math minor intent here.
Admission Requirements to Computer Science if not in School of Science

• Completion of CSCI 23000 with a grade of C+ or better
• 2.0 GPA or higher
• Apply online when above requirements are met
What is your current school and major?

Log into one.iu.edu
Go to your Student Center
Click on the My Academics Tab
You should see your Program and Major listed.
IUPUI Campus Resources

- Bepko Learning Center
- MAC – Math Assistance Center
- CAPS – Counseling and Psychological Services
- AES – Adaptive Educational Services
- PREP’s Office – Career Preparation for Science Students
What’s Next?

• Spring 2020 courses available to view online around Sept. 26.

• Schedule an appointment with Tenille or an appointment with your University College advisor to prepare for spring registration and 4 year planning later in September.

• October 26th – November 6th: Priority registration using One.iu.edu>Student Center (for students enrolled in Fall 2020 classes). We will be registering together during class on Thursday, October 29th