

Undergraduate Education at Luddy

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Executive Associate Dean for Undergraduate Education

Luddy School of Informatics, Computing, and Engineering
Indiana University Bloomington

December 6, 2021

Luddy Structure

- Department of Computer Science

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- Department of Computer Science
- Department of Informatics

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- Department of Computer Science
- Department of Informatics
- Department of Information and Library Science
(graduate program)

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- Department of Computer Science
- Department of Informatics
- Department of Information and Library Science
(graduate program)
- Department of Intelligent Systems Engineering

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- Department of Computer Science
- Department of Informatics
- Department of Information and Library Science
(graduate program)
- Department of Intelligent Systems Engineering
- Data Science Program

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- Department of Computer Science
- Department of Informatics
- Department of Information and Library Science (graduate program)
- Department of Intelligent Systems Engineering
- Data Science Program
- Cybersecurity and Global Policy Program (jointly with HLS)

- Undergraduate Degrees
 - Bachelor of Science in Informatics: 8th largest major on campus!
Cognates in 20+ areas
 - BSc Informatics → MSIS (Kelley School of Business)
 - BSc Informatics → MIS (ILS)
 - Certificate in Informatics
 - Minor in Human-Centered Computing
 - Minor in Informatics
 - Minor in Security Informatics
 - Minor in Animal Computer Interaction
 - Minor in HCI/d (Suspended)
 - Minor in Web Design and Development
 - Minor in Virtual Reality

Department of Computer Science

- Undergraduate Degrees

- Bachelor of Science in Computer Science: 11th largest major on campus!
(Specializations: AI, PL, Systems, Foundations, Security, Data Science, Software Engineering, Game Development)
- Bachelor of Arts in Computer Science
(Administered by the College of Arts and Science)
- Accelerated Master's Program in Computer Science
- Accelerated Master's Program in Secure Computing
- Minor in Computer Science
- Minor in Information Technology

- Undergraduate Degrees
 - Bachelor of Science in Intelligent Systems Engineering
(Concentrations: Computer Engineering/Cyber-physical Systems, Bioengineering, Molecular Nanoscale Engineering)
 - Accelerated Master of Science in Intelligent Systems Engineering

Data Science Program

- Bachelor of Science in Data Science
 - Mathematics and Science Foundations
 - Data Science Core (25 cr)
 - Specializations
 - 1 Foundational Data Science
 - 2 Data Systems
 - 3 Networks and Applied Data Analytics
 - 4 Data Science Design
 - 5 Biological and Health Data Science
- Minor in Data Science

Cybersecurity and Global Policy Program

- Bachelor of Science in Cybersecurity and Global Policy
 - Technical Foundations (16 cr)
 - Policy Foundations (12 cr)
 - Cybersecurity Core (13.5)
 - Global Policy Core (12)

Certificates

- Certificate in Informatics
- Certificate in Entrepreneurship (conferred by KSOB)

Student Services

- Academic Operations, Sally Deckard
- Undergraduate Advising, Nancy Lemons
- Undergraduate Recruiting, Natalie Edwards
- Career Services, Jodie Sackley
- Student Engagement and Success, Tiana Iruoje
- Undergraduate Research, Lamara Warren
- Diversity and Inclusion, Lamara Warren
- Serve and Teach-IT, Una Thacker
- Computing Education Outreach, Michele Roberts
- Office of Online Education, Kayla Scroggins

Undergraduate Advising

- Dedicated team of specialized advisors
- Goal oriented planning
- Help with campus policies and procedures
- Help customize students' programs

Career Services

- Professional Development Course, Y395
- Career Fair (fall and spring)
- Mock interviews
- Vast network of employers

Student Engagement and Success

- Student Organizations
- Living-Learning Center
- International Experience
- Free Tutoring Service

Living-Learning Center

- Teter Hall, 5th floor, 54 students, co-ed
- Started in Fall 2017
- Three floors in Fall 2021!

Undergraduate Research

- UROC and SROC, numbers up steadily
- Opportunities for early encounters with real world problems
- Opportunities to develop skills for working in teams, staying focused, accepting uncertainty
- Opportunities for early encounters with faculty and graduate students

Diversity and Inclusion

- NCWIT Pacesetter
- Collaborative plans with Hudson & Holland Scholars Program and Groups Scholars Program
- Various programming for women and URM in computing

Serve and Teach-IT

- Serving the nonprofit companies in Bloomington
- Excellent real-life work experience
- Opportunities for teaching the community

Computing Education Outreach

- Teacher PD training
- K-12 activities

Thank You!

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