

Undergraduate Programs and Initiatives

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- **2000**, School of Informatics
- **2005**, School of Informatics
(CS joined the school)
- **2009**, School of Informatics and Computing
- **2013**, School of Informatics and Computing
(SLIS joined the school)
- **2015**, Intelligent Systems Engineering Department and Program were approved
- **2017**, School of Informatics, Computing, and Engineering

SICE Structure

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(graduate program)
- Department of Intelligent Systems Engineering
(Fall 2016)
- Data Science Program
(graduate program)

- Undergraduate Degrees
 - Bachelor of Science in Informatics: 1578 students
2nd largest major on campus!
Cognates in 30+ 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

- Undergraduate Degrees
 - Bachelor of Science in Computer Science: 536 students
(Specializations: AI, PL, Systems, Foundations, Security, Data Science, Software Engineering)
 - Bachelor of Arts in Computer Science
(Administered by the College of Arts and Science)
 - Accelerated Master's Program in Computer Science
 - Minor in Computer Science
 - Minor in Information Technology

- Undergraduate Degrees
 - Bachelor of Science in Intelligent Systems Engineering: 90 students (Concentrations: Computer Engineering/Cyber-physical Systems, Bioengineering, Molecular Nanoscale Engineering)
 - Accelerated Master of Science in Intelligent Systems Engineering

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- BSc in Data Science

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- BSc in Cybersecurity and Global Policy (SICE + HLS partnership)

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- Game Development specialization (CS Program, in collaboration with the Media School)

Major Initiatives

- Direct Admission
- Living-Learning Center
- International Experience
- Undergraduate Research
- Diversity
- Computing Education Outreach

Direct Admission

- Students admitted to IU
 - Directly admitted to the major
 - Admitted to University Division, as a premajor
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- Idea: Grow the cohort size in the first category above

Direct Admission by the Numbers (Info and CS)

Year	Total admits	Direct Admits	Direct/Total
2013	212	30	14%
2014	231	52	23%
2015	282	88	31%
2016	280	101	36%
2017	278	98	35%
2018	326	117	36%

Direct Admission by the Numbers (ISE)

Year	Total admits	Direct Admits	Direct/Total
2016	36	25	70%
2017	35	27	77%
2018	63	53	84%

Support System for DAs

- Scholarship
- A new course, CSCI-C102 *Great Ideas in Computing*
- Various programs designed by Student Services staff
- InWIC trip for female freshman students
- GHC trip for female junior students

Living-Learning Center

- Student Engagement and Success
- Teter Hall, 5th floor, 54 students, co-ed
- Direct admit, premajors, and returning higher level students
- Started in Fall 2017
- Two floors in 2020!

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 - ④ University of Mannheim, School of Business Informatics and Mathematics
 - ⑤ University of Edinburgh, School of Informatics

IE cont'd

- Short-term plans

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- International Serve/Teach-IT (Belize: 2015, 2018)

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- 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

- NCWIT Pacesetter Team for the third time!
- Collaborative plans with Hudson & Holland Scholars Programs and Groups Scholars Program
- Various programming for women and URM in computing

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- 5 4,511 open computing jobs (2.6 times the state average demand rate), approx. \$340M opportunity.

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- This is not a bubble!
- Information technology is everywhere.
- Computing is integrated into everyday life.
- Data is everywhere and more is being generated every second.

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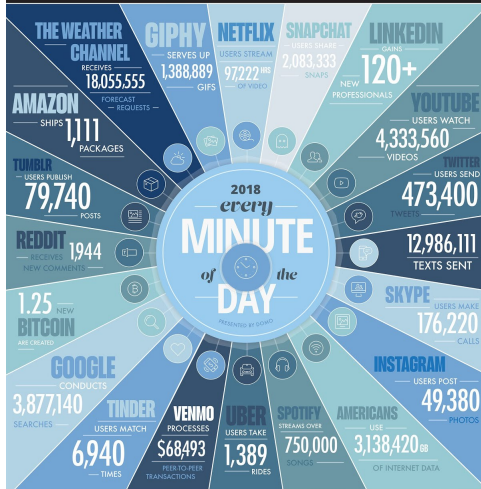
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- 58% of new STEM jobs are in computing.
- Only 8% of STEM graduates are in Computer Science.



DATA NEVER SLEEPS 6.0

How much data is generated *every minute*?

There's no way around it: big data just keeps getting bigger. The numbers are staggering, but they're not slowing down. By 2020, it's estimated that for every person on earth, 1.7 MB of data will be created every second. In our 6th edition of Data Never Sleeps, we once again take a look at how much data is being created all around us every single minute of the day—and we have a feeling things are just getting started.



The world's internet population is growing

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- Innovation in education, staying relevant and current
- Full spectrum student care

Thank You!

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