Computer and Information Science

About the Major

Computer and Information Science, offered by the School of Science, is a program of study which emphasizes the basic principles of computing and data processing, including the creation, representation, storage, transformation, and transmission of information. Students will study computer technology, language processing, end-use applications, principles of computer hardware and software components, databases, application testing, and human interface design. They will also learn about the human learning and reasoning process and capabilities.

Sample Coursework

- Discrete Computational Structures
- Data Structures
- Computing I & II
- Architecture of Computers
- Introduction to Operating Systems
- Explorations in Applied Computing
- Server Side Web Development

Possible Career Opportunities

- Computer Engineer
- Computer Programmer
- Internet/Intranet Technologies Manager
- Network Engineer
- Professor*
- Software Developer

* = Career option requires additional training or education

Employment and Graduate School Information

Employment Outlook

Computer scientists and database administrator positions are expected to grow much faster than average through 2016. More sophisticated and complex technology is being implemented across all organizations; maintaining the computer network is essential to almost every organization. The greatest demand for computer scientists and data-base administrators will be in areas requiring the facilitation of information sharing, expansion of client-server environments, and problem solving (Occupational Outlook Handbook, 2008-09).

Salary Expectations

Median annual earnings of computer and information scientists were $93,950. Median annual earnings of database administrators were $64,670 (OOH, 2008-09). Starting offers averaged $61,110 for graduates with a bachelor's degree in computer science (NACE, 2008).

Graduate/Professional School Opportunities

Computer Information Technology graduates may choose to pursue advanced degrees in one of the following areas: Computer Science, Business Administration, Medicine, Information Technology, and Mathematics.

Where Can I Get More Information?

- Purdue School of Science
- Office: SL 280 Phone: (317) 274-9727
- cs.iupui.edu
- IUPUI Computer Science Club
- csclub.cs.iupui.edu
- Tech Point
- www.techpoint.org

Interest Code

- Investigative
- Realistic
- Social

Where Could I Work?

- Businesses
- Military
- Government
- Consulting
- Education

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(This section is intended for informational purposes, not prediction of actual salary. Salary information is based on national salary ranges which are greatly impacted by location and relative cost of living.)