COMPUTER INFORMATION TECHNOLOGY

STEM
Science, Technology, Engineering, Mathematics
Students in the Computer and Information Technology (CIT) program learn to identify, design, implement, and evaluate solutions to meet information technology needs. The CIT program offers a Purdue Bachelor of Science degree, available with four concentrations: Networking Systems, Information Security, Web Development, and Data Management. Each concentration is designed to provide an applications-oriented, practical education and hands-on experience. Students use current and emerging technology to manage applied software and hardware solutions to business problems, helping their organizations best manage data and technology.

### Sample Coursework
- Information Technology Fundamentals
- Intro to Data Management
- Information Security Fundamentals
- Systems Analysis and Design
- Network Fundamentals
- Web Site Design
- Project Management

### Possible Career Opportunities
- Web Developer
- Application Developer
- Network Administrator
- Security Analyst
- System Engineer
- Database Administrator

### Employment Outlook
Employment of computer and information technology occupations is projected to grow 12 percent from 2014 to 2024, faster than the average for all occupations. These occupations are expected to add about 488,500 new jobs, from about 3.9 million jobs to about 4.4 million jobs from 2014 to 2024, in part due to a greater emphasis on cloud computing, the collection and storage of big data, and the ongoing demand for mobile computing.

### Salary Expectations
In 2012, the average salary of new CIT graduates was $51,119. The median annual wage for computer and information technology occupations nationwide was $79,390 in May 2014. (This section is intended for informational purposes, not predication of actual salary. Salary information is based on national salary ranges which are greatly impacted by location and relative cost of living.)

### Graduate/Professional School Opportunities
Technological advances come rapidly in the computer field, so continued study is necessary to remain competitive. CIT graduates may choose graduate work in a data-focused program, computer science, information systems, business (MBA), or ongoing education in their industry area.

### Where Could I Work?
- 3M
- Apparatus
- Angie’s List
- Cummins, Inc.
- Eli Lilly
- HelpNet
- Salesforce
- Simon Property
- TEKSystems

### Where Can I Get More Information?
- **Computer Information and Graphics Technology**
  - Sheila Walter: skwalter@iupui.edu
  - ET 301 (317)274-9705
- **Information Systems Security Association**
  - www.issa.org
- **ComputerWorld**
  - www.computerworld.com
- **Association of Information Technology Professionals**
  - wwwaits.org