Information technology is a growing and changing field, and the study of informatics provides students with the skills to solve problems and be adaptable. While some of the future job titles for IT jobs don’t even exist yet.

**Occupational Titles**
- Biology/Chemistry Informaticist
- Database Developer/Manager
- Digital Artist
- Digital Library Specialist
- E-commerce Specialist
- Human-Computer Interface Designer
- Information Architect
- IT Consultant
- Multimedia Specialist
- Network Manager
- Software Developer
- Stage and Lighting Designer
- System Administrator
- Technical Writer
- Webmaster

**Employment Settings**
Technology is shaped and influenced by its environment:
- Business
- Science
- Arts
- Medicine
- Nursing
- Pharmacy
- Geography
- Chemical Lab Firms
- Museums
- Schools / Universities

**Specialty Areas**
- Time dependant databases
- Database Systems
- Object Oriented Systems
- Parallel and Distributed Computing
- Analysis of Algorithms
- Data Structures
- Natural Language Processing
- Artificial Intelligence
- Program efficiency
- Computer Science Pedagogy
- Cognitive Science
- Software Engineering
- Information Systems
- Information Assurance
- Security Issues

**Skills & Abilities**
- Problem solving
- Logical thinking
- Critical reasoning
- Analytical skills
- Accuracy
- Attention to detail
- Troubleshooting
- Training/teaching skills
- Precision
- Decision making skills
- Ability to work well under pressure
- Communication skills, written and oral
- Organizational skills
- Leadership
- Technical proficiency
- Knowledge of computer concepts and limitations

**Resources and Internet Sites**
- AMIA - American Medical Informatics Association: www.amia.org/
- IMIA Medical Informatics Association: www.imia.org/
- Mouse Genome Informatics: www.informatics.jax.org/
- American Nursing Informatics Association: www.ania.org/
- Health Informatics World Wide: www.hiww.org/
- Archives & Museum Informatics: http://www.archimuse.com/
- Biomax Informatics AG: www.biomax.com/
- Perceptive Informatics: www.perceptive.com/