Informatics Cognates

The security cognate in Informatics focuses on protecting information in Cyberspace. Every single day the field for Internet Security grows due to the fact that cyberspace grows every second and more chances for cyber villains come into existence. In this field, you will have to face my cyber villains that could include hackers, identity thieves, and more.

In order to have a Security minor at Indiana University, six courses are required. Intro to Cyber security, Analytical Foundations of Security, and Intro to the Math of Cyber security are all required. Three courses from this list are also required; Legal and Social Informatics of Security, Topics in Informatics, Security for Networked Systems, Systems and Protocol Security and Information Assurance, and Computer and Information Ethics.

Jobs in the field of cyber security include security analyst, security engineer, security software developer, and any more. A security analyst analyzes vulnerabilities and recommends solutions that could possibly fix them. A security engineer monitors security, logs any security incidents, and analyzes new technologies. A security software developer develops security software and implements it into applications software.
The Medical Sciences cognate in Informatics allows for Informatics major to gain opportunities related to IU’s Life Sciences Initiative. Students with a medical sciences cognate will have the option of exploring a career in medical sciences, information technology, or both. This cognate is very similar to the medical science minor, which is offered by the School of Medicine.

In order to have a medical sciences cognate at IU you must take Basic Human Anatomy and Basic Human Physiology. Also, you must take six classes from this list; Human Tissue Biology, Human Anatomy for Medical Imaging Evaluation, Disease and the Human Body or Medical Science of Psychoactive Drugs, Topics in Medical Sciences, Topics in Medical Sciences, Undergrad Research in Biomed Sciences, Mechanisms of Human Disease, Molecular Biology of Cancer: Cell Signaling and Fate, Physiology of Human Disease, Special Topics in Biomed Sciences, Comparative Animal Physiology, and Intro to Medical Physics.

Jobs that you could obtain in the future include Informatics Nurse, Health Informatics Specialist, Clinical Analyst, and more. An Informatics Nurse evaluates a facility in order to decide what clinical IT applications will increase efficiency within that healthcare facility. A Health Informatics Specialist is similar to the Informatics Nurse but works more with the application of technology. A Clinical Analyst evaluates clinical info systems and data that helps improve workflow.
Works Cited


