Social, Ethical, and Professional Issues in Computing

CSE 5501

Credit Hours:
1.00

Course Levels:
Undergraduate (1000-5000 level)
Graduate

Course Components:
Lecture

Course Description:
Social, ethical, and professional issues facing computing professionals; ethical principles; discussion of case studies.

Prerequisites and Co-requisites:
Prereq: 2122, 2123, or 2231; and GE Writing: Level 2 or GE Foundations: Writing and Information Literacy; and enrollment in CSE or CIS major, or Information Security minor; or grad standing.

Course Goals / Objectives:

- Competent in the identification of social and ethical issues that arise in the development and application of computing technology in modern society.
- Competent in the appreciation for alternate points of view and broader perspectives in the analysis of social and ethical concerns arising in the context of computing technology.
- Familiar with the immediate and long-term implications to society in the creation and use of computing technology.
- Be familiar with the local and global impacts and risks of computing solutions on individuals, organizations, and society.
- To be familiar with the impact of computing technology on the economy at large as well as long-term trends.
- Familiar with the codes of ethics of one or more professional societies related to computing technologies (e.g., ACM, IEEE, CISSP).
- Familiar with effective methods of written and oral communication.
- Exposed to the distinction between a profession and a trade, and how this distinction relates to ethics and responsibility.
- Exposed to some legal issues that computing professionals may encounter as part of their practice.

Course Topics:

- Professional ethics
- Effective communication
- Privacy / Civil liberties
- Security / Civil liberties
- Intellectual property
- Censorship
- Computer risks
- Computer crime
- Global perspectives

Designation:

Elective