



BAKER COLLEGE
STUDENT LEARNING OUTCOMES

CS4810 Trends in Computer Science
3 Semester Credit Hours

Student Learning Outcomes and Enabling Objectives

1. Distinguish different research methodologies needed to acquire specialized knowledge in the field of computer science.
 - a. Associate the appropriate sources that assist in conducting computer science research.
 - b. Examine emerging technologies and concepts on the computer science field.
 - c. Explore the importance of lifelong learning through discovery.
2. Investigate new technologies and concepts in computer science.
 - a. Determine appropriateness of new technology to solve problems.
 - b. Assess different technologies and recommend best applicable solution.
 - c. Support recommendations with sound research practices
3. Analyze the evolution of a specific technology or concept over time.
 - a. Examine a specific technology from inception to current state.
 - b. Compare technology from current state to future potential.

Big Ideas and Essential Questions

Big Ideas

- Researching, reporting, and writing in IT
- Evolution of Technologies
- Adaptation and Application of Computer Science Technologies
- Necessity of Lifelong Learning in IT

Essential Questions

1. What is the importance of lifelong learning on the IT profession?
 2. How does technology evolve and what are the drivers of that evolution?
 3. How can technology be adapted and applied to new environments?
 4. What is the importance of research and development in the computer science field?
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These SLOs are approved for experiential credit.

Effective: Fall 2022