

University of Arkansas – Fort Smith
5210 Grand Avenue
P. O. Box 3649
Fort Smith, AR 72913-3649
479-788-7000
General Syllabus

CS 4903 Special Topics in Computer Science

Credit Hours: 3

Lecture Hours: 3

Laboratory Hours: 0

Prerequisite: Junior standing and consent of instructor.

Effective Catalog: 2020-2021

I. Course Information

A. Catalog Description

Examines emerging and advanced topics in computing that are not currently offered in the curriculum. Offered periodically, based on need. May be taken for a total of nine hours with different topics.

II. Student Learning Outcomes

A. Subject Matter

Upon successful completion of this course, the student will be able to:

1. Explain how advances in computer science are used to create better or innovative solutions to problems.
2. Evaluate and explain the relationship between new computing technologies and fundamental concepts of computer science.
3. Design and implement computing solutions using emerging technologies.

B. University Learning Outcomes (ULO)

This course enhances student abilities in the following areas:

Analytical Skills

Critical Thinking Skills

Students will identify a problem, break it down into its component parts, and develop an algorithm for solving the problem.

Quantitative Reasoning Skills

Students will develop algorithms for solving problems involving formulas and numbers.

III. Major Course Topics

Major course topics will vary based on the selected subject.

