## **COMPUTER SCIENCE**

## **Undergraduate Programs**

- Applied Computer Programming, BS (http://catalog.okstate.edu/arts-sciences/computer-science/applied-computer-programming-bs/)
- Computer Science, BS (http://catalog.okstate.edu/arts-sciences/ computer-science/bs/)

## 1) Program Educational Objectives

The graduates of the Bachelor of Science program in Department of Computer Science will:

- Design and implement computing solutions for practical problems posed by employers in industry, government and the nonprofit sector.
- · Exhibit effective communication skills and teamwork.
- Achieve leadership roles and maintain high standards of professional ethics.
- Pursue graduate studies or employment in industries in computer science and other fields.

## 2) Student Outcomes

The student outcomes for the BS degree program listed below help in achieving the Program Educational Objectives.

- Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions.
- Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
- Communicate effectively in a variety of professional contexts.
- Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
- Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
- Apply computer science theory and software development fundamentals to produce computing-based solutions.