

Computer Science and Technology

B.S. Program

The Computer Science and Technology (B.S.), is accredited by the Computing Accreditation Commission of [ABET](#), under the commission's General Criteria and the Program Criteria for Computer Science and Similarly Named Computing Programs.

[Academic Program Information](#)

Program Educational Objectives (PEOs)

The Program Educational Objectives (PEOs) of the Computer Science and Technology (B.S.) are broad statements describing the expected accomplishments of graduates within a few years after graduation. These objectives are that graduates will:

1. Participate successfully, individually or in a team, in the development and deployment of software solutions based on up to date international standards.
2. Apply their skills to create value in their environment within a framework of innovation or entrepreneurship, with social conscience.
3. Apply life long learning in order to stay up to date in their professional field in a continuous adaptation process to new trends.
4. Be committed to human flourishing and make decisions based on ethical criteria.
5. Perform successfully in national, international, and multicultural environments.

Student Outcomes (SOs)

By the time of graduation, students of the program will be able to demonstrate:

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