



Operational Excellence and Assessment Support

Academic Learning Compacts

## College of Engineering and Computer Science Academic Learning Compacts

### Information Technology - B.S.

#### Discipline Specific Knowledge, Skills, Behavior and Values

1. The program will enable students to attain, by the time of graduation an ability to apply knowledge of computing and mathematics appropriate to the discipline.
2. The program will enable students to analyze a problem, and identify and define the computing requirements appropriate to its solution
3. Graduates will be able to function effectively on teams to accomplish a common goal.
4. Graduates will have an understanding of professional, ethical, legal, security and social issues and responsibilities.
5. Graduates will be able to identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems.
6. Graduates will be able to effectively integrate IT-based solutions into the user environment.
7. Graduates will have an understanding of best practices and standards and their application.
8. Graduates will be able to assist in the creation of an effective project plan.

#### Critical Thinking

1. Graduates will be able to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.
2. Graduates will be able to use current techniques, skills, and tools necessary for computing practice.
3. Graduates will be able to use and apply current technical concepts and practices in the core information technologies.
4. Graduates will be able to identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems.
5. Graduates will have an understanding of best practices and standards and their application.

**6. Graduates will be able to assist in the creation of an effective project plan.**

### **Communication**

- 1. Graduates will be able to function effectively on teams to accomplish a common goal.**
- 2. Graduates will be able to communicate effectively with a range of audiences.**
- 3. Graduates will be able to analyze the local and global impact of computing on individuals, organizations, and society.**
- 4. Graduates will recognize the need for and be able to engage in continuing professional development.**

### **Assessment of Information Technology - B.S. Outcomes**

**These outcomes will be assessed using a variety of assessment methods, including:**

- Data for the assessment will be collected through surveys (alumni, industry, graduating students), embedded concept test questions, and course assessment reports.**