



**College of Engineering and Computer Science  
Academic Learning Compacts**

**Information Technology - B.S.**

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

1. Analyze a complex computing problem and to 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 judgements 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. Identify and analyze user needs and to take them into account in the selection, creation, integration, evaluation, and administration of computing-based systems.

**Critical Thinking**

1. Analyze a complex computing problem and to 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. Recognize professional responsibilities and make informed judgements in computing practice based on legal and ethical principles.
4. Function effectively as a member or leader of a team engaged in activities appropriate to the program`s discipline.
5. Identify and analyze user needs and to take them into account in the selection, creation, integration, evaluation, and administration of computing-based systems.

**Communication**

1. Communicate effectively in a variety of professional contexts.
2. Recognize professional responsibilities and make informed judgements in computing practice based on legal and ethical principles.

3. Function effectively as a member or leader of a team engaged in activities appropriate to the program`s discipline.
4. Identify and analyze user needs and to take them into account in the selection, creation, integration, evaluation, and administration of computing-based systems.

#### **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.