



**College of Sciences  
Academic Learning Compacts**

**Mathematics - B.S.**

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

1. Students will master the effective use of mathematical logic and techniques of formal proof.
2. Students will be able to write correct and complete proofs of concepts of mathematical structures.
3. Students will understand the notion of function in mathematics, particularly as applied to proofs involving basic properties of functions.

**Critical Thinking**

1. Students will master the effective use of mathematical logic and techniques of formal proof.
2. Students will be able to write correct and complete proofs of concepts of mathematical structures.
3. Students will understand the notion of function in mathematics, particularly as applied to proofs involving basic properties of functions.

**Communication**

1. Students will master the effective use of mathematical logic and techniques of formal proof.
2. Students will be able to write correct and complete proofs of concepts of mathematical structures.
3. Students will understand the notion of function in mathematics, particularly as applied to proofs involving basic properties of functions.

**Assessment of Mathematics - B.S. Outcomes**

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

- Tests
- Projects
- Problem finding and solving
- Papers