

Standing Requirements

## Outcomes Library

### BS in Manufacturing Engineering Technology

#### Program Objective A: Mastery of knowledge and tools

Outcome	Mapping
SLO 1.1: Apply CAD principles Students will apply CAD principles.	No Mapping
SLO 1.2: Plan/execute production Students will plan and execute production.	No Mapping
SLO 1.3: Utilize control systems in automated manufacturing Students will utilize control systems in automated manufacturing.	No Mapping
SLO 1.4: Utilize computers and software for design Students will utilize computers and software for design in manufacturing.	No Mapping

#### Program Objective B: Effective Problem Solving

Outcome	Mapping
SLO 2.1: Use scientific methods to solve problems Students will use scientific methods to solve problems.	No Mapping
SLO 2.2: Use management principles to solve problems Students will use management principles to solve problems.	No Mapping
SLO 2.3: Interact with team members Students will interact with team members to communicate and solve problems.	<b>Foundational Studies:</b> 10. Express themselves effectively, professionally, and persuasively both orally and in writing.

#### Program Objective C: Effective communication

Outcome	Mapping
SLO 3.1: Exhibit good verbal communication skills Students will exhibit good verbal communication skills.	<b>Foundational Studies:</b> 10. Express themselves effectively, professionally, and persuasively both orally and in writing.
SLO 3.2: Demonstrate fluency in written communication Students will demonstrate fluency in written communication.	<b>Foundational Studies:</b> 10. Express themselves effectively, professionally, and persuasively both orally and in writing.
SLO 3.3: Deliver formal presentations using technology Students will deliver formal presentations using appropriate technology.	<b>Foundational Studies:</b> 10. Express themselves effectively, professionally, and persuasively both orally and in writing.

#### Program Objective D: Safety/Accident Prevention

Outcome	Mapping
SLO 4.1: Apply safety principles around technical equipment Students will apply safety principles around technical equipment and processes.	No Mapping

SLO 4.2: Demonstrate knowledge of safety principles  
Students will demonstrate knowledge of safety principles in the planning process. No Mapping

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SLO 4.3: Safety principles in supervision & mgt. of others  
Students will demonstrate knowledge of safety principles in supervision and management of others. No Mapping

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### Program Objective E: Utilize quality concepts

Students will utilize quality concepts.

Outcome	Mapping
SLO 5.1: Understand quality concerns in manufacturing Students will understand quality concerns in manufacturing.	No Mapping
SLO 5.2: Apply quality concepts Students will apply quality concepts.	No Mapping
SLO 5.3: Implement concepts of continuous improvement Students will implement concepts of continuous improvement.	No Mapping

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### Program Objective F: Engage in life-long learning

Students will engage in life-long learning.

Outcome	Mapping
SLO 6.1: Demonstrate a desire for life-long learning Students will demonstrate a desire for life-long learning.	No Mapping

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## Manufacturing Engineering Technology

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