

Student Learning Outcomes Library

Office of Assessment & Accreditation

Indiana State University

BS Manufacturing Engineering Technology

Spring 2020

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Outcome	Related Foundational Studies or Graduate Goal
Mastery of Knowledge and Tools	
1.1 Apply CAD principles	
1.2 Plan/execute production	
1.3 Utilize control systems in automated manufacturing	
1.4 Utilize computers and software for design	
Effective Problem Solving	
2.1 Use scientific methods to solve problems	
2.2 Use management principles to solve problems	
2.3 Interact with team members to communicate and solve problems	Foundational Studies 10: Express themselves effectively, professionally, and persuasively both orally and in writing.
Effective Communication	
3.1 Exhibit good verbal communication skills	Foundational Studies 10: Express themselves effectively, professionally, and persuasively both orally and in writing.

3.2 Demonstrate fluency in written communication	Foundational Studies 10: Express themselves effectively, professionally, and persuasively both orally and in writing.
3.3 Deliver formal presentations using technology	Foundational Studies 10: Express themselves effectively, professionally, and persuasively both orally and in writing.
Safety/Accident Prevention	
4.1 Apply safety principles around technical equipment and processes	
4.2 Demonstrate knowledge of safety principles in the planning process	
4.3 Demonstrate knowledge of safety principles in supervision and management of others	
Utilize Quality Concepts	
5.1 Understand quality concerns in manufacturing	
5.2 Apply quality concepts	
5.3 Implement concepts of continuous improvement	
Engage in Lifelong Learning	
6.1 Demonstrate a desire for lifelong learning	