

Student Learning Outcomes Library

Office of Assessment & Accreditation

Indiana State University

BS Engineering Technology

Spring 2020

Top of Form

Bottom of Form

Outcome	Related Foundational Studies or Graduate Goal
Apply disciplinary reasoning, critical thinking, and hands-on skills to identify, analyze, and solve problems	
1.1 An ability to select and apply the knowledge, techniques, skills, and modern tools of the discipline to broadly--defined engineering technology activities	
1.2 An ability to select and apply a knowledge of mathematics, science, engineering, and technology to engineering technology problems that require the application of principles and applied procedures or methodologies	
1.3 An ability to conduct standard tests and measurements; to conduct, analyze, and interpret experiments; and to apply experimental results to improve processes	
1.4 An ability to design systems, components, or processes for broadly--defined engineering technology problems appropriate to program educational objectives	
1.5 An ability to identify, analyze, and solve broadly-defined engineering technology problems	
Communicate effectively in both oral and written form to articulate technical knowledge, ideas, and proposals	

2.1 An ability to apply written, oral, and graphical communication in both technical and non-technical environments; and an ability to identify and use appropriate technical literature	
Consider professional, ethical, and social responsibility of engineering technology practices	
3.1 An understanding of and a commitment to address professional and ethical responsibilities including a respect for diversity	
3.2 A knowledge of the impact of engineering technology solutions in a societal and global context	
Perform effectively, think independently, and work collaboratively in a team environment in a membership or leadership role	
4.1 An ability to function effectively as a member or leader on a technical team	
Actively participate in professional development, including continuous self-improvement and lifelong learning	
5.1 An understanding of the need for and an ability to engage in self-directed continuing professional development	
5.2 A commitment to quality, timeliness, and continuous improvement	
An ability to understand professional, ethical, and social responsibilities	