

# Student Learning Outcomes Library

Office of Assessment & Accreditation

Indiana State University

BS Automotive Engineering Technology

Spring 2020

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<b>Outcome</b>	<b>Related Foundational Studies or Graduate Goal</b>
Technical Competency—Technical proficiency by applying disciplinary reasoning and critical thinking to identify, analyze, and solve problems in the design, manufacture, and maintenance of major automotive subsystems and technologies	
1.1 Reasonably evaluate major automotive subsystems and technologies	
1.2 Competence in the application of computer technologies: Competence in the application of computer technologies commonly used in industry, governmental service, and private practice associated with automotive engineering technology.	
1.3 The ability to apply principles of mathematics, science, and engineering technology: The ability to apply principles of mathematics, science, engineering technology, including probability and statistics to the solution of problems related to the automotive industry.	Foundational Studies IIIA: Quantitative Literacy
1.4 Ability to conduct and evaluate experiments competently in a laboratory setting	
Managerial Competency—Managerial competency in the chosen field	

<p>2.1 The ability to apply modern and effective management skills: The ability to apply modern and effective management skills in identification and investigation of problems, analysis of data, synthesis and implementation of solutions, and operations of automotive facilities.</p>	
<p>Communication Competency—Effective communication skills in both oral and written form to articulate technical knowledge, ideas, and proposals</p>	
<p>3.1 The ability to communicate with clarity and conciseness: The ability to communicate with clarity and conciseness both verbally and in writing with peers, clients, and targeted audience</p>	<p>Foundational Studies 10: Express themselves effectively, professionally, and persuasively both orally and in writing.</p>
<p>Responsibility Awareness--The awareness of professional, ethical, and social responsibility and impact of engineering technology practices in Indiana and a diversified world</p>	
<p>4.1 The understanding of professional and ethical responsibility and the impact of technology in a global and social context</p>	
<p>Teamwork Competency—The ability to function effectively, think independently, and work collaboratively in a team environment</p>	
<p>5.1 Analyze team structure and function effectively in a multi-disciplinary team and respect members of various background and personality</p>	
<p>Lifelong Learning Competency—Individual desire and commitment to remain technically current by engaging in continuous self-improvement and lifelong learning</p>	
<p>6.1 Desire to engage in lifelong learning to pursue increasing knowledge of current and emerging technical and non-technical issues</p>	