

**ABET Student Outcome 4: (Engineering Impacts)**

an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts

	<b>Level of Achievement: 1</b>	<b>Level of Achievement: 2</b>	<b>Level of Achievement: 3</b>
	<b>Below Expectations</b>	<b>Meets Expectations</b>	<b>Exceeds Expectations</b>
Global Impact	Narrow perspective, with consideration only of immediate impact on current users.	Awareness of current and future impact on users, with some consideration of potential for broader impact on others.	Comprehensive analysis of current and future impact from a global perspective, and integration of this analysis into engineering design and problem solving.
Economic Impact	Little or no consideration of economic factors.	Awareness of immediate economic impact, with some consideration of long-term economic impact.	Comprehensive analysis of current and future economic impact, including multiple possible economic scenarios, and integration of this analysis into engineering design and problem solving.
Environmental Impact	Little or no consideration of environmental impact.	Awareness of current environmental impact, with some consideration of broader environmental impact.	Comprehensive analysis of environmental impact, and integration of this analysis into engineering design and problem solving.
Societal Impact	Little or no consideration of the risks and benefits to society.	Awareness of the basic risks and benefits to society, with some consideration of broader societal impact.	Comprehensive understanding and analysis of the risks and benefits to society, and integration of this analysis into engineering design and problem solving.