

UNIVERSITY OF PUERTO RICO AT PONCE
DEPARTMENT OF ENGINEERING
Associate Degree in Industrial Engineering Technology

PROGRAM EDUCATIONAL OBJECTIVES	STUDENT OUTCOMES
<p><i>Program educational objectives are broad statements that describe what graduates are expected to attain within a few years after graduation. Program educational objectives are based on the needs of the program's constituencies.</i></p>	<p><i>Student outcomes describe what students are expected to know and be able to do by the time of graduation. These relate to the knowledge, skills, and behaviors that students acquire as they progress through the program.</i></p>
<ol style="list-style-type: none"> 1. Graduates will become successful and ethical practitioners in industrial and systems engineering and contribute to the sustainability of their working and social environments. 2. Graduates will pursue academic and professional development relevant to their careers. 3. Graduates will exhibit appropriate interpersonal skills to effectively interact and communicate with other people, increase team's efforts, and create value. 	<ol style="list-style-type: none"> 1. An ability to apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve well-defined engineering problems appropriate to the discipline. 2. An ability to design solutions for well-defined technical problems and assist with the engineering design of systems, components, or processes appropriate to the discipline. 3. An ability to apply written, oral, and graphical communication in well-defined technical and non-technical environments, and an ability to identify and use appropriate technical literature and software. 4. An ability to conduct standard tests, measurements, and experiments and to analyze and interpret the results. 5. An ability to function effectively as a member of a technical team. 6. An understanding of and a commitment to address professional and ethical responsibilities, including a respect for diversity, continuous improvement, and sustainability.