The Role of ABET Criteria in Creating the Entrepreneurial Engineer

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Focus on Learning

- Detailed, published educational objectives consistent with institutional mission and the ABET accreditation criteria.
- A process based on the needs of the program’s constituencies, by which objectives are determined periodically and evaluated.
- A curriculum and processes that ensure achievement of the objectives.
- A system of ongoing evaluation that demonstrates achievement of the objectives and uses the results to improve the effectiveness of the program.
Creating the Entrepreneurial Engineer

- An ability to apply knowledge of mathematics, science and engineering
- An ability to design and conduct experiments, as well as to analyze and interpret data
- An ability to design a system, component, or process to meet desired needs
- An ability to function on multi-disciplinary teams
- An ability to identify, formulate, and solve engineering problems
- An understanding of professional and ethical responsibility
Creating the Entrepreneurial Engineer

• An ability to communicate effectively
• The broad education necessary to understand the impact of engineering solutions in a global and societal context
• A recognition of the need for, and an ability to engage in lifelong learning
• A knowledge of contemporary issues
• An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice