

Proceedings
Teaching Entrepreneurship to Engineering
Students

Engineering Conferences International

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The Role of ABET Criteria in Creating
the Entrepreneurial Engineer

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Accreditation Board for Engineering and Technology

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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**