Technological Entrepreneurship, Certificate

Requirements

The undergraduate Certificate in Technological Entrepreneurship requires a minimum of 18 s.h. of credit. Students must complete at least 12 s.h. of the 18 s.h. required for the certificate at the University of Iowa or in approved study abroad courses. They must maintain a grade-point average (GPA) of at least 2.00 in work toward the certificate.

The certificate program is open to Bachelor of Science in Engineering students who have earned at least 45 s.h. of credit toward the BSE and have a University of Iowa GPA of at least 2.75. Students must be granted the BSE and complete all certificate requirements in order to receive the certificate.

Students must declare their intention to pursue the certificate on MyUI and must apply for admission; visit Technological Entrepreneurship Certificate on the College of Engineering website for more information.

Certificate students study how the entrepreneurial process relates to technology-based businesses. The program is intended for students who would like to develop an understanding of how to manage innovation in business environments as well as those who plan to start and operate their own businesses.

The Certificate in Technological Entrepreneurship requires the following coursework.

Foundation Course

Course #	Title	Hours
This course:		
ISE:2500	Engineering Economy	3

Entrepreneurship Core

Course #	Title	Hours
Both of these:		
ENTR:2000	Entrepreneurship and Innovation	3
ENTR:3100	Entrepreneurial Finance	3

Entrepreneurship Course in the Major

Course #	Title	Hours
One of these, depending on a student's engineering major:		
BME:4910	Biomedical Engineering Senior Design I (biomedical engineering majors)	4
CBE:4109	Chemical Engineering Process Design I (chemical engineering majors)	2
CEE:4850	Project Design and Management in Civil Engineering (civil and environmental engineering majors)	3
ECE:4890	Senior Electrical and Computer Engineering Design (electrical and computer science engineering majors)	3
ISE:4600	Industrial Engineering Design Project (industrial engineering majors)	4
ME:4086	Mechanical Engineering Design Project (mechanical engineering majors)	3

Entrepreneurship Electives

Students customize their programs with their choice of electives. They must earn sufficient elective credit to complete the 18 s.h. required for the certificate.

Course #	Title	Hours
BME:4920	Biomedical Engineering Senior Design II	4
ENTR:3200	Entrepreneurial Marketing	3
ENTR:3350	Entrepreneurial Strategy	3
ENTR:3400	Strategic Management of Technology and Innovation	3
ENTR:3500	Social Entrepreneurship	3
ENTR:3550	Commercializing New Technology I	3
ENTR:3575	Commercializing New Technology II	3
ENTR:3595	Nonprofit Organizational Effectiveness I	3
ENTR:3600	E-Commerce Strategies for Entrepreneurs	3
ENTR:3700	Sustainable Product Innovation and Management	3
ENTR:4000	Topics in Entrepreneurship	3
ENTR:4100	International Entrepreneurship, Culture, and Social Impact	1-3
ENTR:4200	Entrepreneurship: Business Consulting	3
ENTR:4300	Launching an Entrepreneurial Venture	3
ENTR:4400	Managing the Growth Business	3
ENTR:4460	Entrepreneurship and Global Trade	3
ENTR:4510	Arts Leadership Seminar	3
ENTR:4900	Academic Internship	1-9
Any entrepreneurship course (prefix ENTR), with certificate advisor's approval		