

# 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 g.p.a. 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 B.S.E. and have a University of Iowa g.p.a. of at least 2.75. Students must be granted the B.S.E. 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 the Technological Entrepreneurship Certificate web page 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

| Code         | Title               | Hours |
|--------------|---------------------|-------|
| This course: |                     |       |
| ISE:2500     | Engineering Economy | 3     |

## Entrepreneurship Core

| Code           | Title                           | Hours |
|----------------|---------------------------------|-------|
| Both of these: |                                 |       |
| ENTR:2000      | Entrepreneurship and Innovation | 3     |
| ENTR:3100      | Entrepreneurial Finance         | 3     |

## Entrepreneurship Course in the Major

| Code  | 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 engineering majors)     | 3 |
| ECE:4890 | Senior Electrical and Computer Engineering Design (electrical 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.

| Code   | Title   | Hours |
|--|---|-------|
| BME:4920   | Biomedical Engineering Senior Design II           | 4     |
| ENTR:3200  | Entrepreneurial Marketing                         | 3     |
| ENTR:3400  | Strategic Management of Technology and Innovation | 3     |
| ENTR:3500  | Social Entrepreneurship                           | 3     |
| ENTR:3595  | Nonprofit Organizational Effectiveness I          | 3     |
| ENTR:3600  | E-Commerce Strategies for Entrepreneurs           | 3     |
| ENTR:4000  | Topics in Entrepreneurship                        | 3     |
| ENTR:4200  | Entrepreneurship: Business Consulting             | 3     |
| ENTR:4300  | Entrepreneurship: Advanced Business Planning      | 3     |
| ENTR:4400  | Managing the Growth Business                      | 3     |
| ENTR:4450  | Professional Sports Management                    | 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 |   |       |