

Mechanical Engineering

Elective Focus Area (EFA)

Entrepreneurship

Today, UI engineering students are exploring venture capital, marketability of products, and technology transfer ... preparing to launch tomorrow's successful businesses – while earning their engineering degrees. By taking these EFA courses, students will be able to obtain a Certificate in the Technological Entrepreneurship Program. Students completing the program will gain exposure to understanding sound business thinking, acquire team-building skills in both small and large companies, understand the entrepreneurial approach to acquiring and managing resources, learn how to create a business plan, and obtain valuable contacts and network opportunities with successful businesses and industries. More detailed information and the course listing for the Technological Entrepreneurship Certificate (TEC) can be found at: <http://www.engineering.uiowa.edu/about/tech-certificate.html>.

Semester	Course	Session	SH	Pre-/Co-Requisites
4 (Spring)	56:054 Engineering Economy	S	3	C: 22S:039
5 (Fall)	56:153 Engineering Administration-I	F	3	56:054
6 (Spring)	6T:120 Entrepreneurship & New Business Formation	All	3	6A:020 (or 56:054)
7 (Fall)	6T:133 Capital Acquisition & Cash Flow Mgmt	All	3	6T:120
7 (Fall)	Math/Science Elective		3	
8 (Spring)	TEC Elective-1	All	3	6T:120, 6T:133
8 (Spring)	TEC Elective-2	All	3	6T:120, 6T:133

Math/Science elective courses may be selected from the following table.

Math and Science Elective Courses	SH	Pre-/Co-Requisites
29:083 Modern Physics	3	029:082
4:012 Principles of Chemistry II	4	4:011
22M:072 Elementary Numerical Analysis	3	22M:032, 59:006
58:111 Numerical Calculations	3	22M:041
2:010 Principles of Biology I	4	4:011

TEC electives are 100-level courses on entrepreneurship from the College of Business, given below:

Technical Entrepreneurship Elective Courses	SH	Pre-/Co-Requisites
6T:134 Entrepreneurial Marketing	3	6T:120, 6T:116
6T:150 Managing the Growth Business	3	6T:120, 6T:133
6T:192 Entrepreneurship: Business Consulting	3	6T:120, 6T:133
6T:141 Technology Advances for the Entrepreneur	3	6T:120, 6T:133
6T:142 Innovation and Change	3	6T:120, 6T:133
6T:145 Legal Aspects of Entrepreneurship	3	6T:120, 6T:133
6T:146 Strategic Management Techn. & Innovation	3	6T:120, 6T:133
6T:194 Advanced Business Planning	3	6T:120, 6T:133

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