

## Entrepreneurship EFA

Today, UI engineering students are exploring venture capital, marketability of products, and technology transfer. They are looking for ways to prepare themselves to launch tomorrow's successful businesses – all while earning their engineering degrees. Students taking the Entrepreneurship EFA can obtain a Certificate in the Technological Entrepreneurship Program. Students completing the program will gain exposure to understanding sound business practice, 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 networking opportunities with successful businesses and industries. More detailed information and the course listing for the Technological Entrepreneurship Certificate (TEC) can be found at: <https://catalog.registrar.uiowa.edu/engineering/technological-entrepreneurship/certificate/>

Students will prepare a plan of study, choosing among the courses listed for the program, and meet with the College's TEC representative. Approvals to be admitted to the program are obtained by the TEC representative, faculty advisor, and ISE Department Chair. Issuance of the certificate requires completion of ISE:2500 Engineering Economy and ISE:4600 Industrial Engineering Design Project (IEDP) in the senior year. Note that while the IEDP course is required for the certificate, it does not count toward the required 18 sh needed for the certificate. The following table provides a guide for scheduling the TEC EFA courses.

### The following courses are required for the EFA:

Semester	Course #	Course	Session	SH	Pre-/Co-Requisites
4 (Spring)	ENTR:2000	Entrepreneurship & Innovation	All	3	Co-req: ENTR:1350**
5 (Fall)		Any above 3000 level course from Engineering, Statistics, or Business/ Entrepreneurship*		3	
7 (Fall)	ENTR:3100	Entrepreneurial Finance	All	3	ENTR:2000 or ENTR:3520 or MGMT:3100
8 (Spring)	ISE:4900	Introduction to Six Sigma	S	3	ISE:3600
8 (Spring)	ENTR:xxxx	TEC Elective		3	
8 (Spring)		Math/Science Elective		3	
8 (Spring)	ENTR:xxxx	TEC Elective		3	

\* To obtain the Technological Entrepreneurship Certificate, this course should be another TEC Elective.

\*\* This co-requisite is waived for engineering students.

### Math and Science Elective Courses:

Course #	Course	Session	SH	Pre-/Co-Requisites
PHYS:2704	Physics IV	S	4	MATH:1860 and PHYS:2703
CHEM:1120	Principles of Chemistry II	All	4	CHEM:1110
STAT:4510	Regression, Time Series, and Forecasting	F	3	STAT:3101
STAT:3210	Experimental Design & Analysis	S	3	STAT:3200
MATH:3800	Elementary Numerical Analysis	F,S	3	(MATH:1560 or MATH:1860) and (MATH:2700 or MATH:2550)
MATH:3550	Engineering Mathematics V	F,S	3	MATH:1560 and (MATH:2550 or MATH:2700); Co-req: MATH:2560
BIOL:1411	Foundations of Biology	All	4	CHEM:1110

\*\*\*All sessions listed are typical but are not guaranteed to be taught.

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