ENGINEERING ENTREPRENEURSHIP (UNDERGRADUATE CERTIFICATE PROGRAM)

Engineers today must be trained not only to solve problems, but also to participate in bringing new ideas and products to market. Knowledge and skills in entrepreneurial marketing, finance, business law, product liability, intellectual property and management have increasingly become valuable assets for engineering students interested in starting or working as part of a new business venture. This certificate program will train engineering students in the entrepreneurial skills required to commercialize new ideas, technologies and products. The Engineering Entrepreneurship Certificate Program allows students to take courses in entrepreneurial marketing, finance, law and management in combination with the traditional engineering courses in their major. Students also have the opportunity to put their learning into action by way of an entrepreneurial Capstone project in their field of study.

Admission Requirements: Students must be concurrently enrolled in or have completed an undergraduate degree (B.S.) in engineering with a minimum of a 2.0 cumulative major g.p.a. Students currently pursuing a B.S. in engineering must have completed at least sixty credits of undergraduate coursework and be enrolled in the professional engineering program of their discipline.

Certificate Requirements: To earn a Certificate in Engineering Entrepreneurship, students must complete 15-16 credits including the following courses:

- CE 5810  Legal Aspects of Engineering and Construction  3
- FIN 3290  Business Finance  3
- MKT 2300  Marketing Management  3
- MGT 5650  The Entrepreneur and Venture Creation  3
- Capstone project or applied learning project completed in one of the following courses:  3-4
  - CHE 4800  (WI) Chemical Process Integration
  - CE 4995  (WI) Senior Design Project
  - ECE 4600  (WI) Capstone Design I
  - IE 4800  Engineering Design I: Project Management & Engineering Design II
  - ME 4500  (WI) Mechanical Engineering Design II

Total Credits  15-16

All students must earn at least a grade of ‘C’ in each of the courses to be applied towards the Certificate and complete the coursework with an overall g.p.a. of at least 2.0. Students concurrently enrolled in an engineering undergraduate program will be governed by overall policy on substandard grades (http://bulletins.wayne.edu/undergraduate/college-engineering/academic-regulations) for students pursuing a B.S. degree. Students who have completed a B.S. degree and are pursuing only the Certificate will be allowed one substandard grade, with a subsequent successful repeat of the course, during completion of this program.