SYSTEMS ENGINEERING
(BRIDGE GRADUATE CERTIFICATE)

This program is designed for technical professionals with work experience and a degree in engineering. The program consists of twelve credits of coursework scheduled for completion by working engineers in two years. The certificate can serve as a bridge to the M.S. degree in Engineering Management or Industrial Engineering.

Admission Requirements

Applicants must meet the requirements for admission to the Graduate School (http://bulletins.wayne.edu/graduate/general-information/admission), and either the M.S. program in Industrial Engineering (http://bulletins.wayne.edu/graduate/college-engineering/industrial-systems-engineering) or Engineering Management (http://bulletins.wayne.edu/graduate/college-engineering/industrial-systems-engineering). They must hold a baccalaureate degree in engineering from an institution accredited by the Accreditation Board for Engineering and Technology (ABET). In addition, they must have earned a grade point average of at least 2.8 in the upper division of their undergraduate program or have at least three years of full-time engineering work experience. International students are required to complete the GRE exam.

Students must complete twelve credits consisting of one required foundation course in systems engineering; at least one required course in project management, risk/decision analysis or problem solving; and one elective course. At least one course must be 7000-level or above.

Students may later apply all certificate credits toward the Master’s degree requirements in Engineering Management or Industrial Engineering, provided any such credits have been earned with a minimum ‘B’ grade and are within the six years time limit for completing the Master’s degree.

Graduation Requirements: All course work must be completed in accordance with the regulations of the Graduate School (http://bulletins.wayne.edu/graduate/general-information/academic-regulations) and the College of Engineering (http://bulletins.wayne.edu/graduate/college-engineering/academic-regulations). Students may enroll on a full-time or part-time basis but must complete requirements within three years of admission.