

97-12
August 8, 1997

Post Baccalaureate Certificate in Systems Engineering (code 1-4301)

This certificate was recommended by the Academic Senate on April 10, 1997
and approved by the President on July 14, 1997.

Director: Dr. Mihir K. Das, Associate Dean for Instruction

The 18-unit Post Baccalaureate Certificate Program in Systems Engineering (SE) is designed to provide the interested students or practicing engineers with the very latest in SE capability and the ability to plan and execute complex SE projects. The Certificate Program is focused toward development and management of complex systems. Each such complex system requires a clear SE Master Plan, a set of SE Methodologies, appropriate tools, a rigorous requirements flow-down technique, and a comprehensive Project Management Plan to enable system design and project management for effective and efficient human interaction.

Requirement

1. Completion of an accredited baccalaureate degree in engineering or equivalent;
2. Satisfactory completion of 18 units listed below;
3. File a program application card with Admissions and Records, and file for the Certificate at least one semester prior to completion;
4. The Certificate may be awarded concurrently or subsequently to baccalaureate degree.

Required Courses

The Certificate Program requires a minimum of 18 semester units, as indicated below.

1. System Engineering Core Courses, 6 units of the following: ENGR 532 and ME 508.
2. Elective Engineering Management Courses, 6 units from the following: CECS 521, ME 506 and 507.
3. Elective Manufacturing Courses, 3 units from the following: ENGR 574, 595 and ME 574
4. Advanced Engineering Mathematics/Analysis, 3 units from the following: AE 502, EE 505, 508, ME 501 and 502.

EFFECTIVE: Fall 1997

Code: 1-4301

College: 52

Career: GR

IPEDS (Major) ERSS:

IPEDS (Degree) ERSD: