Open University

Want to take a class without formally enrolling in the master’s program? Open University gives you this option. You can sample the graduate program or take a class for professional development. All courses are available through this program. For more information visit:

www.ceu.cpp.edu/courses/openuniv
About the Program

The Master of Science in Systems Engineering (MSSE) is a unique program developed to meet the need in industry for highly qualified and well-trained systems engineers. The program gives engineers from different disciplines the advanced training to understand the role of systems engineering in process and product development for large complex systems, develop advanced skills in applying the systems engineering processes used during product development, describe the constraints imposed by society on systems engineering, develop mastery in team interaction and communication skills, and develop management skills for systems engineering projects.

Admission Requirements

- BS or equivalent from an engineering program accredited by ABET
- Minimum of 3.0 GPA in all undergraduate upper division course work in engineering, mathematics and science

Applicants who do not meet the above requirements may be considered for admission by submitting supplement documents of recent test scores of GRE, letters of recommendation and other relevant documents prior to admission.

Additional Program Requirements

- Select an advisor from the College of Engineering (up to 12 units of coursework may be completed before selecting advisor)
- Committee members are needed for Master’s thesis or independent study, and early selection is advantageous
- Develop, file and complete a Program of Study*
- Maintain a 3.0 or better grade point average

*The program of study must be developed with the student’s advisor and submitted for approval to the Industrial & Manufacturing Engineering Department and the Engineering Graduate Studies Office before the end of the third quarter of attendance or upon completion of 16 units; whichever comes first.

Curriculum

The program requires completion of 45 units from the approved curriculum. Courses offered:

- Introduction to Systems Science
- Human Systems Interaction
- Supply Chain Management in Production Systems
- Systems Engineering Management
- Operations Research in System Analysis
- System Sustainability
- Systems Simulation for Managers
- Advanced Engineering Economics
- Systems Engineering Life Cycle Design
- Systems Architecture
- Emergency Systems
- Facility Planning Systems
- Healthcare Systems
- Systems Engineering Project
  (Terminal Requirement for MSSE program)

How to Apply

- Applications are accepted online through the CSU Mentor website:
  - www.csumentor.edu
- A student may enter the program in any quarter.