Why a Graduate Certificate in Systems Engineering?

Systems engineering is an essential part of the way the world works today. It combines several skill areas — people, facilities, policies, hardware, software and documents — into an integrated discipline that combines human factors, technology, process engineering and management.

A graduate-level certificate in systems engineering is ideally suited to students who

• Are limited by time and resources and/or corporate sponsorship and are only able to commit to a 15 semester credit hour program
• Want to pursue systems engineering as a secondary interest
• Are getting degrees in other fields but would like to get a GCSE at the same time

Credits earned may also be applied towards a master’s degree.

Opportunities in systems engineering are available in a wide range of industries including manufacturing, aerospace, defense, healthcare, electronics, automotive, education, software, government and other sectors that have a need for people who can understand and manage complex systems.

Ready to connect or have questions? Call 1-800-684-UTEP to speak with an enrollment counselor today or visit us at utepconnect.utep.edu
Admissions Requirements
To qualify for admission into the Graduate Certificate in Systems Engineering, you must:

• Complete and submit a graduate admissions application and application fee
• Have a bachelor’s degree from an accredited university
• Submit official transcripts in accordance with the requirements of the Graduate School
• Write a brief statement of purpose
• Provide two letters of recommendation from individuals who can evaluate your ability to succeed in a rigorous graduate program, including one from the company sponsoring you (if appropriate)
• Provide other evidence of relevant personal or professional experience

Recommendations for admission are made on the basis of the following:

• GPA in upper-division or graduate work, as appropriate
• Professional commitment and interest as demonstrated by the personal statement and other supporting materials as available
• Letters of recommendation
• Leveling courses if applicable

International students must also submit:

• Official TOEFL (Test of English as a Foreign Language) scores

Curriculum

Core Coursework
SE 5341  Systems Engineering Fundamentals
SE 5342  Systems Engineering Management
SE 5343  Systems Requirements Analysis
SE 5344  Systems Integration, Verification & Validation
SE 5345  Systems Engineering Project Practicum

Total Credits: 15

Note: Curriculum is subject to change.