

Requirements for a Minor in Systems Engineering

1. A minor in Systems Engineering can be earned through completion of 20 credits selected from the list below. Only one of the courses in brackets can be taken for credit (see note at bottom of sheet). Some 500-level & 700 level Systems Engineering courses can be used by petition.

{ ENG ME 308 Statistics and Quality Engineering
 ENG EC 381 Probability Theory in Electrical and Computer Engineering

{ ENG EC 401 Signals and Systems
 ENG BE 401 Signals and Systems in Biomedical Engineering

{ ENG EC 402 Control Systems
 ENG BE 402 Control Systems in Biomedical Engineering
 ENG ME 404 Dynamics and Control of Mechanical Systems

ENG EC 330 Applied Algorithms for Engineers

ENG EC 415 Communication Systems

ENG EC 441 Introduction to Computer Networking

ENG ME 411 Operations Research

ENG ME 420 Supply Chain Engineering

2. No more than 8 credits can be used to satisfy the student's major degree credit requirements.
3. Students are expected to obtain necessary background (prerequisites or equivalents) to complete their chosen minor program.
4. Students must have a declared major on record in order to apply for the Minor in Systems Engineering.
5. The grade point average (GPA) of the courses (20 credits) used for the minor must be 2.0 or greater for the minor to be awarded.
6. Applications for the Minor in Systems Engineering must be approved by the Minor Coordinator of the Division of Systems Engineering.

Note: The following courses overlap too much for credit to be given for more than 1 course in each of a-c below. However, these courses can be used to satisfy minor requirements subject to the 8 credit double limit count. Students are required to complete the course appropriate to their major.

- a) Probability: ENG EC 381, ENG ME 308, ENG BE 200
- b) Signals: ENG EC 401, ENG BE 401
- c) Control: ENG BE 402, ENG EC 402 or ENG ME 403 or ENG ME 404