Requirements for a Minor in Systems Engineering

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 EC 381 Probability Theory in Electrical and Computer Engineering

ENG EC 403 Biomedical Signals and Controls

ENG EC 402 Control Systems
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

1. No more than 8 credits can be used to satisfy the student’s major degree credit requirements.

2. Students are expected to obtain necessary background (prerequisites or equivalents) to complete their chosen minor program.

3. Students must have a declared major on record in order to apply for the Minor in Systems Engineering.

4. 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.

5. Applications for the Minor in Systems Engineering must be approved by the Minor Coordinator of the Division of Systems Engineering.

6. Students planning to pursue a minor in Systems Engineering should apply as early as possible to facilitate course planning, and in no case later than October 1 of the senior year.

Note: The following courses overlap too much for credit to be given for more than 1 course in each of 1-7 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.

(1) ENG ME 403, 404, ENG BE 402, ENG EC 402
(2) ENG ME 303, ENG BE 436
(3) ENG ME 501, ENG EC 501
(4) ENG EK 102, ENG EK 103, CAS MA 142, CAS MA 242
(5) ENG BE 401, ENG BE 403, ENG EC 401
(6) ENG ME 366, ENG EC 381, ENG EK 381, ENG BE 200
(7) ENG ME 460, ENG ME 560

For questions about the requirements for this minor, please contact: Prof. Hua Wang, SE Minor Coordinator
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