



# College of Engineering

## Application for MINOR in SYSTEMS ENGINEERING

Return completed form to ENG Undergraduate Records Office, 44 Cummington Street, Room 108.

Student Name: \_\_\_\_\_ BU I D# \_\_\_\_\_

Dept/Major: \_\_\_\_\_ Email Address: \_\_\_\_\_

Advisor: \_\_\_\_\_ Expected Date of Graduation: \_\_\_\_\_

**Instructions:** ENG students requesting to complete a Minor in Systems Engineering should complete this form, obtain the appropriate approvals (signatures) below, and submit this form to the Undergraduate Records Office, 44 Cummington Street, Room 108 for processing. Please read the requirements for the minor indicated on the reverse of this form. Attach petitions for any SE 550 and/or 700-level courses. Students applying for the Minor must have a declared major on record. *Note: Only 8 credit hours may be applied to both the major and the minor degree requirements. Please indicate with an \* any courses that you want to apply toward both your major and minor*

PROPOSED COURSES FOR MINOR	CREDITS	*	Prerequisites	OFFICE USE ONLY	
				Grade	Honor Pts
1.	4.0				
2.	4.0				
3.	4.0				
4.	4.0				
5.	4.0				
<b>Total credits for Minor: 20.0</b>				<b>GPA for Minor:</b>	



Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Faculty Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

### MINOR APPROVAL

Approve    Deny

\_\_\_\_\_

ENG Authorization (Signature of Minor Coordinator of the Division of Systems Engineering)

DATE

### Office Use Only

\_\_\_\_\_

Hegis code

\_\_\_\_\_

Records Office Verification

\_\_\_\_\_

Date posted on UIS

## 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

For questions about the requirements for this minor, please contact:  
Prof. Pirooz Vakili, SE Minor Coordinator  
15 St. Mary's St. Room 126  
617-353-2839  
vakili@bu.edu