

ENGINEERING COURSE OF STUDY

Please append your sophomore paper (and any other materials) to the three pages this application and return to the Administrative Assistant in the Engineering Department.

Name _____ Class _____ Date _____

Course Minor(s) in _____

Double Major in _____

Honors Program Minor in _____

Advisors signature: _____ Date _____

1. Please list semester in which you will be taking (or have already taken) your core courses:

ENGR 006: Spring _____	ENGR 012*: Spring _____
ENGR 011: Fall _____	ENGR 014*: Spring _____
ENGR 041: Fall _____	ENGR 015*: Fall _____
ENGR 090: Spring 2010	

* Note: you can take 2 or 3 of ENGR 012, ENGR 014, and ENGR 015.

2. Other engineering courses already taken, and semester taken.

ENGR ____: _____	ENGR ____: _____
ENGR ____: _____	ENGR ____: _____

3. Please list semester in which you will receive (or have already received) credit for your required Math and Science courses:

MATH 015: _____	PHYS ____: _____
MATH 025: _____	PHYS ____: _____
MATH 033/034: _____	BIO ___OR CHEM ___: _____
MATH 043/044: _____	_____:
MATH 027/028: _____	(Specify your fourth science here.)

(MATH 027/028 suggested (but not required) if you have placement (but not credit) for MATH 015)

_____:
(Use this line for 4th science credit if you have placement (but not credit) for one of the other courses)

4. On the next page, put and X in boxes for the Engineering courses you plan to take in the next two years. Including your 6 or 7 core courses, you should have a total of 12 credits in Engineering. Note that E90 is already checked.

5. Honors students: denote courses in your three Engineering preparations by numbering them (1), (2), and (3); minors just list (1). Please consult the Engineering section of the Swarthmore College Bulletin for approved preparations.

**DEPARTMENT OF ENGINEERING
ANTICIPATED COURSE OFFERINGS
FALL 2008 – SPRING 2010**

Offerings with adjacent hyphens (*i.e.*, '[-]'), do not count towards the 12 required courses for the engineering major, nor the 5 required courses for the minor.

FALL 2008	SPRING 2009
[-] ENGR 005: Engineering Methodology	[] ENGR 006: Mechanics
[-] ENGR 008: Computer class for non-majors	[] ENGR 012: Linear Physical Systems Analysis
[] ENGR 011: Electric Circuits	[] ENGR 014: Experimentation for Engineering Design
[] ENGR 015: Fundamentals of Digital Systems	[] ENGR 023: VLSI Design
[] ENGR 041: Thermofluid Mechanics	[] ENGR 025: Principles of Computer Architecture
[] ENGR 057: Operations Research	[] ENGR 026: Computer Graphics†
[] ENGR 059: Mechanics of Solids	[] ENGR 058: Control Theory
[] ENGR 062: Structural Theory and Design II	[] ENGR 066: Environmental Systems
[] ENGR 063: Water Quality and Pollution Control	[] ENGR 078: Communication Systems
[] ENGR 072: Electronic Circuit Applications	[] ENGR 083: Fluid Mechanics
[] ENGR 075: Electromagnetic Theory	[] ENGR 090: Senior Design
[] ENGR 084: Heat Transfer	[] Other: _____
[] Other: _____	[] Other: _____
[] Other: _____	[] Other: _____
[] Other: _____	* _____

FALL 2009	SPRING 2010
[-] ENGR 003: Engineering Methodology	[] ENGR 006: Mechanics
[-] ENGR 005: Engineering Methodology	[] ENGR 012: Linear Physical Systems Analysis
[] ENGR 011: Electric Circuits	[] ENGR 014: Experimentation for Engineering Design
[] ENGR 015: Fundamentals of Digital Systems	[] ENGR 025: Principles of Computer Architecture
[] ENGR 041: Thermofluid Mechanics	[] ENGR 058: Control Theory
[] ENGR 059: Mechanics of Solids	[] ENGR 062: Structural Theory and Design II
[] ENGR 060: Structural Theory and Design I	[] ENGR 071: Digital Signal Processing
[] ENGR 072: Electronic Circuit Applications	[] ENGR 073: Physical Electronics
[] Other: _____	[] ENGR 081: Thermal Energy Conversion
[] Other: _____	[X] ENGR 090: Senior Design
[] Other: _____	[] Other: _____
* _____	[] Other: _____
	[] Other: _____
	[] Other: _____
	* _____

†Tentative

*It is likely that computer engineering courses, as yet unnamed, will be offered by a new hire during Spring 2009, Fall 2009, and Spring 2010.

Privacy with respect to Awards and Honorifics

There are some awards and honorifics administered or nominated by the Engineering Department that require the release of class rank outside the college. If you wish to be considered for any of these awards, your rank within your engineering class cohort, or presence within some range in rank (e.g., top 20%), will be released outside the college for the purposes of the specific award and could become publicly known (in no cases will we disclose your actual GPA). We respect your right to keep such information private, and we assume that you wish to keep it private unless you tell us otherwise.

Please state your intentions by checking the appropriate line below. Sign and return this form to us attached to your completed application to become an engineering major.

Declining to waive confidentiality of rank for such purposes will not affect any student's application to major in Engineering.

I wish to be considered for awards as described above.

I do not wish to be considered for awards as described above.

Printed name

Signature

Date

Note: the College administers the Phi Beta Kappa award to graduating seniors that is also decided on the basis of GPA. If you wish not to be considered for this award, you should contact the registrar.

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