



Bachelor of Engineering - Students Entering 2005 Fall or later

Study Plan / Application for Candidacy (check one)

Stevens Institute of Technology
 Castle Point on Hudson
 Hoboken, NJ 07030
 Office of the Registrar
 201.216.5210
 FAX 201.216.8030

Name: _____ ID: ____ - ____ - _____ Class: _____ Box S- _____ E-mail: _____

Major Concentration Field: Biomedical Engineering Secondary Concentration Field: _____

Instructions Please print or type. The primary purpose of this form is to lay out the courses required to complete your degree program and when you expect to take each of them. You may then use it to track your own progress to the degree. You should revise it as needed. Please indicate the term when you expect to take each course (e.g., 2003F, 2004S, etc.). Roman numerals indicate the standard curriculum time schedule. If a choice of courses is given for a requirement, circle the appropriate course number. For electives, fill in the course number. Any courses taken elsewhere should be marked **TR**. An additional study plan will be required if you wish to receive a minor or a second degree.

Term	Course	Credits	Grade	Term	Course	Credits	Grade
<u>TERM I</u>				<u>TERM III</u>			
I	_____ CH115/117 - General Chemistry I and Lab	4.0	_____	III	_____ E126 - Mechanics of Solids	4.0	_____
I	_____ E101 - Engineering Experience I ¹	1.0	_____	III	_____ E231 - Engineering Design III	2.0	_____
I	_____ E115 - Introduction to Programming	2.0	_____	III	_____ E245 - Circuits and Systems	3.0	_____
I	_____ E120 - Engineering Graphics	1.0	_____	III	_____ MA221 - Differential Equations	4.0	_____
I	_____ E121 - Engineering Design I	2.0	_____	III	_____ PEP112 - Electricity and Magnetism	3.0	_____
I	_____ MA(120) 121/122 - Calculus I (Intro) A/B	4.0	_____	III	_____ Humanities _____	3.0	_____
I	_____ CAL 103 or CAL 105 - CAL Colloquium	3.0	_____	<u>TERM IV</u>			
<u>TERM II</u>				IV	_____ BME306 - Introduction to Biomedical Engineering	3.0	_____
II	_____ CH116/118 - General Chemistry II and Lab ²	4.0	_____	IV	_____ CH281 - Biology and Biotechnology (no Lab) ²	3.0	_____
II	_____ E122 - Engineering Design II	2.0	_____	IV	_____ E232 - Engineering Design IV	3.0	_____
II	_____ MA123/124 - Calculus II A/B	4.0	_____	IV	_____ E234 ³ - Introduction to Thermodynamics	3.0	_____
II	_____ PEP111 - Mechanics	3.0	_____	IV	_____ E344 - Materials Processing	3.0	_____
II	_____ MGT103 - Introduction to Entrepreneurial Thinking ¹	2.0	_____	IV	_____ MA227 - Multivariate Calculus	3.0	_____
II	_____ CAL 105 or CAL 103 - CAL Colloquium	3.0	_____				

NOTE: This course sequence is not appropriate for premedical students.
 If premed, follow Red course sequence.

Student Signature: _____ Date: _____

Faculty Advisor Signature: _____ Date: _____

UG Records Auditor: _____ Date: _____

Original Revision
 2nd Degree



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Term	Course	Credits	Grade	Term	Course	Credits	Grade
<u>TERM V</u>				<u>TERM VII</u>			
V	BME460 - Digital Signal Processing	2.0	_____	VII	BME423 ³ - Engineering Design VII	3.0	_____
V	BME505 - Biomaterials	3.0	_____	VII	BME482 - Engineering Physiology ³	4.0	_____
V	BME506 - Biomechanics	3.0	_____	VII	BME453 - Bioethics ³	3.0	_____
V	CH381 - Cell Biology ³	4.0	_____	VII	CH243/245 - Organic Chemistry I and Lab ³	4.0	_____
V	E243 - Probability & Statistics	3.0	_____	VII	TG403 - Senior Innovation I ⁵	2.0	_____
V	E321 Eng. Design V or Humanities _____	2.0/3.0	_____	VII	Humanities _____	3.0	_____
<u>TERM VI</u>				<u>TERM VIII</u>			
VI	BME322 - Engineering Design VI	2.0	_____	VIII	BME424 ³ - Engineering Design VIII	3.0	_____
VI	BME342 ³ - Transport in Biological Systems	4.0	_____	VIII	BME445 - Biosystems Simulation & Control ³	4.0	_____
VI	BME556 - Advanced Biomechanics ³	3.0	_____	VIII	BME504 - Medical Instrumentation & Imaging ³	3.0	_____
VI	E355 - Engineering Economics	4.0	_____	VIII	TG404 - Entrepreneurship Inter Eng II ⁵	1.0	_____
VI	Humanities _____ or E321 Eng. Design V	3.0/2.0	_____	VIII	General Elective ⁴ _____	3.0	_____
VI	General Elective ⁴ _____	3.0	_____	VIII	Humanities _____	3.0	_____

NOTES:

1. Credit for E101 and MGT103 earned in Term II.
2. Basic Science Elective: Some departments may have specific requirements;
 One elective must have a laboratory component;
 Two electives from the same field cannot be selected.
3. Discipline specific courses.
4. General Elective: Chosen by student;
 Can be used towards a minor or option;
 Can be applied to research or approved international studies.
5. Core Option - Specific course determined by engineering program.
6. PE Graduation Requirement: Minimum of three semester PE credits.
7. Courses beyond the B.S. requirements whether to meet minor requirements, to meet second degree requirements, to defer to graduate program (mark GD) or extra courses (e.g. from change in field of study; mark XT).

ADDITIONAL COURSES^{6,7}

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Student Signature: _____ Date: _____

Original Revision

Faculty Advisor Signature: _____ Date: _____

2nd Degree

UG Records Auditor: _____ Date: _____