Bachelor of Engineering – Student entering 2020 Fall

☐ 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-_____ Email:_____

Major Concentration Field: Chemical Engineering_____ Secondary Concentration Field:_____

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., 2020F, 2021S, etc.). Roman numerals indicate the standard curriculum time schedule. If a choice of course is given for the requirement, circle the appropriate course number. For electives, fill in the course number. Any course taken elsewhere should be marked TR. An additional study plan will be required if any of you wish to receive a minor or a second degree.

Term I	Course (Indicate Year and Semester Taken)	Credits	Grade
_____	CH 115- General Chemistry I	3.0	_____
_____	CH 117- General Chemistry Laboratory I	1.0	_____
_____	E 101- Engineering Experience	1.0	_____
_____	E 115- Introduction to Programming	2.0	_____
_____	E 120- Engineering Graphics	1.0	_____
_____	E 121- Engineering Design I	2.0	_____
_____	MA 121- Differential Calculus	2.0	_____
_____	MA 122- Integral Calculus	2.0	_____
_____	CAL 103 *Writing & Communication Colloquium*	3.0	_____

Term II	(Indicate Year and Semester Taken)		
_____	CH 116- General Chemistry II	3.0	_____
_____	CH 118- General Chemistry Laboratory II	1.0	_____
_____	E 122- Engineering Design II	2.0	_____
_____	MA 123-Series, Vectors, Functions and Surfaces	2.0	_____
_____	MA 124- Calculus of Two Variables	2.0	_____
_____	MGT 103- Intro to Entrepreneurial Thinking	2.0	_____
_____	PEP 111- Mechanics	3.0	_____
_____	CAL 105 *Knowledge, Nature, Culture*	3.0	_____

Term III	Course (Indicate Year and Semester Taken)	Credits	Grade
_____	E 126- Mechanics of Solids	4.0	_____
_____	E 231- Engineering Design III	2.0	_____
_____	E 245- Circuits and Systems	3.0	_____
_____	MA 221- Differential Equations	4.0	_____
_____	PEP 112-Electricity and Magnetism	3.0	_____
_____	Humanities[1] _____	3.0	_____

Term IV	(Indicate Year and Semester Taken)		
_____	CHE 210 Process Analysis	3.0	_____
_____	CHE 234 Chemical Engineering Thermodynamics	4.0	_____
_____	E 232- Engineering Design IV	3.0	_____
_____	E 344 Materials Processing	3.0	_____
_____	MA 227- Multivariable Calculus	3.0	_____
_____	Humanities[1] _____	3.0	_____

☐ Original ☐ Revision ☐ 2nd Degree

Student Signature: _____ Date:_____

Faculty Advisor Signature: _____ Date:_____

UG Records Auditor: _____ Date:_____

Revised July 2020

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Term V	Course (Indicate Year and Semester Taken)	Credits	Grade
_____	CH 243- Organic Chemistry	3.0	_____
_____	CHE 332 Separations Operations	3.0	_____
_____	CHE 336 Fluid Mechanics	3.0	_____
_____	CHE 342 Heat and Mass Transfer	3.0	_____
_____	E 321 Engineering Design V	2.0	_____
_____	Humanities[1]_____	3.0	_____
Term VI	**(Indicate Year and Semester Taken)**		
_____	BIO 281 Biology and Biotechnology	3.0	_____
_____	CHE 322 Engineering Design VI	3.0	_____
_____	CHE 345 Process Control, Modeling, & Simulation	3.0	_____
_____	CHE 351 Reactor Design	3.0	_____
_____	E 243- Probability & Statistics for Engineers	3.0	_____
_____	E 355- Engineering Economics	4.0	_____
_____	IDE[4] 400 Senior Innovation I	1.0	_____

Term VII	Course (Indicate Year and Semester Taken)	Credits	Grade
_____	CH 245 Organic Chemistry Laboratory	1.0	_____
_____	CHE 423 Engineering Design VII	3.0	_____
_____	CHE 432 Chemical Engineering Laboratory	2.0	_____
_____	IDE[4] 401 Senior Innovation II	1.0	_____
_____	GE[3]_____	3.0	_____
_____	TE[2] Chemistry Elective_____	3.0/4.0	_____
Term VIII	**(Indicate Year and Semester Taken)**		
_____	CHE 424: Engineering Design VIII	3.0	_____
_____	Humanities[1]_____	3.0	_____
_____	GE[3]_____	3.0	_____
_____	GE[3]_____	3.0	_____
_____	TE[2] Chemistry Elective_____	3.0/4.0	_____
_____	IDE[4] 402 Senior Innovation III	1.0	_____

Additional Courses

_____	_____	____	_____
_____	_____	____	_____
_____	_____	____	_____
_____	_____	____	_____

PE Required Courses[6]

Term	Course	Credits	Grade	Term	Course	Credits	Grade
____	PE 200_____	PE ___		____	PE 200_____	PE	____
____	PE 200_____	PE ___		____	PE 200_____	PE	____

Notes:

1. Humanities Requirement -Four additional humanities classes. At least one must be at the 100 or 200 level, at least one must be at the 300 or 400 level, and courses must cover at least two different disciplines within CAL.

2. Chemical Engineering Technical Electives are to be selected from approved ChE and Ch courses distributed to the ChE students.

3. General Education Electives – chosen by the student – can be any approved 3 or 4 credit course used towards a minor, major concentration, research, independent study, language courses, or a course taken during an international experience.

4. IDE 400 can be taken concurrently with IDE 401 in Term VII as determined by the engineering program.

5. These courses are the Core major courses for the Chemical Engineering program.

6. PE Requirementi All students must complete a minimum of four semesters of Physical Education (P.E.) in non-repeating courses. No credit or grades are awarded for P.E. classes. Participation in varsity and club sports may be used to satisfy all four of the Physical Education requirements.

☐ Original ☐ Revision ☐ 2nd Degree

Student Signature: _____ Date:_____

Faculty Advisor Signature: _____ Date:_____

UG Records Auditor: _____ Date:_____

Revised July 2020