University of Saint Joseph

Engineering Science

FALL

1st Semester: _____	**18**
MATH 170 Calculus I	4
COMP 110 Computer Programming I	4
CHEM 175 Fundamental Chemical Principles I	4
INTD 100 First Year Seminar I	3
ENGL 104 The Art of Effective Writing	3

SPRING

2nd Semester: _____	**14**
MATH 180 Calculus II	4
COMP 150 Computer Programming II	3
INTD 116 First Year Seminar II	1
PHIL 110 Thinking Nimbly: Logic	3
CORE	3

FALL

3rd Semester: _____	**16**
ENGR 200 Fundamental Engineering Principles	3
MATH 220 Calculus III	3
PHYS 130 Introductory Physics I	4
CORE	3
CORE	3

SPRING

4th Semester: _____	**16**
ENGR 210 Intro to Computer-Aided Design	3
MATH 310 Differential Equations	3
PHYS 140 Introductory Physics II	4
CORE	3
CORE	3

FALL

5th Semester: _____	**16**
ENGR 320 Thermodynamics	3
MATH 320 Linear Algebra	4
INTD 301 Mercy Integrative Seminar	3
CORE	3
CORE	3

SPRING

6th Semester: _____	**13**
ENGR 485 Internships ***or*** ENGR 480 Capstone	3
ENGR 300 Digital Circuit Design	4
CORE	3
CORE	3

FALL

7th Semester: _____	**14**
ENGR 400 Analog Circuit Design	4
ENGR 310 Engineering Mechanics: Statics	3
ENGR 499 Coordinating Senior Seminar	1
CORE/Elective	3
CORE/Elective	3

SPRING

8th Semester: _____	**13**
ENGR 450 Software Engineering & Comp. Architecture	3
CORE/Elective	3
CORE/Elective	3
CORE/Elective	3
CORE/Elective	1

***NOTE:** This is an unofficial worksheet and is subject to change. The responsibility to register for the necessary courses in the proper sequence to meet the academic program requirements rests with the student. Please consult your advisor every semester, and the USJ catalog, for the most up-to-date degree program requirements.