Sample Plan for Engineering 3-2 Program 2020-2021

Six Semester Schedule

This template contains all courses required to complete a bachelor of arts degree majoring in Natural Science with a Pre-Engineering concentration. Many core courses are offered both fall, spring and/or May terms and may be moved, but keep course prerequisites and sequences in mind. If a student is exempted or places out of a requirement (e.g. math or foreign language), credit hours are not awarded; change the requirement to elective hours to reach 106 total hours.

Note: This is NOT a required schedule. It is merely a recommended schedule and a place to begin to fit your specific needs. Many students will enter the program with AP credit or previous college credit allowing them to bypass certain classes in this schedule. Also, many students will opt to take advantage of Covenant's May Term which is a short term directly after the Spring semester where a student can take a single, concentrated class. Most often, these classes are core classes. Some engineering students also choose to fulfill their foreign language requirement over the summer or through correspondence courses offered by other academic institutions. Doing the Senior Integration Project (SIP) while at Georgia Tech is also very popular among engineering students, but, as a word of warning, it becomes increasingly more difficult to finish the SIP the longer you are out of Covenant. All of these methods of making the course load lighter serve the purposes of decreasing the workload or allowing the student to take other classes of interest.

Freshman - Fall
Term Grd
____ ____ BIB 111 Old Testament Intro .................. 3
____ ____ COR 225 Cultural Heritage of the West I ..... 3
____ ____ MAT 247 Calculus III ........................... 4
____ ____ PHY 232 General Physics for Scientists II... 4
____ ____ PHY 321 Statics .................................. 3
Total semester hours ........................................ 17

Freshman – Spring
Term Grd
____ ____ BIB 142 New Testament Introduction ........ 3
____ ____ ENG 111 English Composition ................. 3
____ ____ HIS 112 US History .............................. 3
____ ____ MAT 146 Calculus II ................................ 4
____ ____ PHY 231 General Physics for Scientists I ... 4
____ ____ HPE 152 Personal Aerobics & Gen. Fitness ... 1
Total semester hours ......................................... 18

Sophomore - Fall
Term Grd
____ ____ BIB 277 Christian Doctrine I .................... 3
____ ____ COR 226 Cultural Heritage of the West II ... 3
____ ____ MAT 258 Differential Equations ............... 4
____ ____ PHY 233 Optics and Modern Physics ........ 4
____ ____ PHY 322 Dynamics .............................. 3
Total semester hours ........................................ 17

Sophomore - Spring
Term Grd
____ ____ BIB 278 Christian Doctrine II .................. 3
____ ____ COR 225 Cultural Heritage of the West I ..... 3
____ ____ MAT 310 Linear Algebra ......................... 3
____ ____ PHY 322 Dynamics .............................. 3
____ ____ PHY 321 Statics .................................. 3
Total semester hours ........................................ 17

Junior - Fall
Term Grd
____ ____ CHE 121+121L General Chemistry I .......... 4
____ ____ Core Foreign Language – 1st semester ....... 3
____ ____ ECO 202 Microeconomics ...................... 4
____ ____ ENG 201 Intro to Literary Studies ............ 3
____ ____ MAT 310 Linear Algebra ......................... 3
Total semester hours ........................................ 17

Junior - Spring
Term Grd
____ ____ CHE 122+122L General Chemistry II ........ 4
____ ____ COR 325 Global Trends in the 21st Century. 3
____ ____ COR 337 Intercultural Experience ............. 1
____ ____ COR 340 Christ and Culture Seminar ....... 1
____ ____ Core Foreign Language ......................... 3
____ ____ ENG 252 Speech ................................ 2
____ ____ Fine Arts Requirement (& DIV) ................ 3
Total semester hours ........................................ 17

After the first year of engineering, coursework at the engineering school:
____ ____ 24 credit hours of Engineering courses  
____ ____ PHY 492 Senior Integration Paper ............. 2

Total Credit Hours required for the degree = 126