Plan for Engineering 3-2 Program 2019-2020

Six Semester Schedule Planner

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: "L" in the credit hours indicates that a laboratory is included with the class.

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
Trm Grd
___ ___ BIB 111 Old Testament Intro .......................... 3
___ ___ COR 100 The Christian Mind ............................ 2
___ ___ COS 131 Computing for Engineers....................4L
___ ___ MAT 145 Calculus I......................................... 4
___ ___ NSC 170 Intro to Engineering........................... 1
___ ___ PSE 151 Concepts in PE ................................... 2
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Freshman – Spring
Trm 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..........4L
___ ___ PSE 152 Personal Aerobics & Gen. Fitness...... 1
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Sophomore - Fall
Trm Grd
___ ___ BIB 277 Christian Doctrine I......................... 3
___ ___ COR 225 Cultural Heritage of the West I ....... 3
___ ___ MAT 247 Calculus III..................................... 4
___ ___ PHY 232 General Physics for Scientists II ......4L
___ ___ PHY 321 Statics.............................................. 3
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Sophomore - Spring
Trm Grd
___ ___ BIB 278 Christian Doctrine II...................... 3
___ ___ COR 226 Cultural Heritage of the West II ...... 3
___ ___ MAT 258 Differential Equations................... 4
___ ___ PHY 233 Optics and Modern Physics...........4L
___ ___ PHY 322 Dynamics...................................... 3
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Junior - Fall
Trm Grd
___ ___ CHE 121+121L General Chemistry I..............4L
___ ___ Core Foreign Language – 1st semester.............. 3
___ ___ ECO 202 Microeconomics............................ 4
___ ___ ENG 201 Intro to Literary Studies................. 3
___ ___ MAT 310 Linear Algebra................................ 3
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Junior - Spring
Trm Grd
___ ___ CHE 122+122L General Chemistry II.............4L
___ ___ 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
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After the first year of engineering coursework at the engineering school:

___ ___ 24 credit hours of Engineering courses transferred back to Covenant.
___ ___ PHY 492 Senior Integration Paper .................. 2

Total Credit Hours required for the degree = 126