Sample Plan for Engineering 3-2 Program
2021-2022

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 126 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 Capstone 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 Capstone 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 Grade
___ ___ BIB 111 Old Testament Intro .................. 3
___ ___ BIB 142 New Testament Introduction ......... 3
___ ___ ENG 111 English Composition ................. 3
___ ___ ENG 112 US History .......................... 3
___ ___ ENG 252 Speech ................................ 2
___ ___ MAT 145 Calculus I .......................... 4
___ ___ MAT 146 Calculus II .......................... 4
___ ___ PHY 231 General Physics for Scientists I ... 4
___ ___ PHY 492 Capstone Project.................... 2
Total semester hours ........................................ 17

Freshman – Spring
Term Grade
___ ___ BIB 111 Old Testament Intro .................. 3
___ ___ BIB 142 New Testament Introduction ......... 3
___ ___ ENG 111 English Composition ................. 3
___ ___ ENG 112 US History .......................... 3
___ ___ ENG 252 Speech ................................ 2
___ ___ ENG 325 Global Trends in 21st Century .... 3
___ ___ MAT 145 Calculus I .......................... 4
___ ___ MAT 146 Calculus II .......................... 4
___ ___ PHY 231 General Physics for Scientists I ... 4
___ ___ PHY 492 Capstone Project.................... 2
Total semester hours ........................................ 17

Sophomore - Fall
Term Grade
___ ___ BIB 277 Christian Doctrine I ................... 3
___ ___ BIB 278 Christian Doctrine II ................... 3
___ ___ COR 225 Cultural Heritage of the West I ...3
___ ___ COR 226 Cultural Heritage of the West II ..3
___ ___ ECO 202 Microeconomics ..................... 4
___ ___ ENG 201 Intro to Literary Studies ............ 3
___ ___ ENG 202 Microeconomics ..................... 4
___ ___ ENG 325 Global Trends in 21st Century .... 3
___ ___ ENG 337 Intercultural Experience ............ 1
___ ___ ENG 340 Christ and Culture Seminar ........ 1
___ ___ ENG 352 Speech ................................ 2
___ ___ ENG 355 Core Fine Arts Course ............... 3
___ ___ MAT 310 Linear Algebra ...................... 3
___ ___ MAT 311 Calculus III .......................... 4
___ ___ MAT 312 Calculus IV .......................... 4
___ ___ MAT 313 Linear Algebra ...................... 3
___ ___ PHY 233 Optics and Modern Physics ...... 4
___ ___ PHY 234 Optics & Modern Physics .......... 4
___ ___ PHY 321 Statics ................................ 3
___ ___ PHY 322 Dynamics ............................ 3
___ ___ PHY 323 Optics and Modern Physics ...... 4
___ ___ PHY 324 Optics & Modern Physics .......... 4
Total semester hours ...................................... 17

Sophomore - Spring
Term Grade
___ ___ BIB 277 Christian Doctrine I ................... 3
___ ___ BIB 278 Christian Doctrine II ................... 3
___ ___ COR 225 Cultural Heritage of the West I ...3
___ ___ COR 226 Cultural Heritage of the West II ..3
___ ___ ECO 202 Microeconomics ..................... 4
___ ___ ENG 201 Intro to Literary Studies ............ 3
___ ___ ENG 202 Microeconomics ..................... 4
___ ___ ENG 325 Global Trends in 21st Century .... 3
___ ___ ENG 337 Intercultural Experience ............ 1
___ ___ ENG 340 Christ and Culture Seminar ........ 1
___ ___ ENG 352 Speech ................................ 2
___ ___ ENG 355 Core Fine Arts Course ............... 3
___ ___ MAT 310 Linear Algebra ...................... 3
___ ___ MAT 311 Calculus III .......................... 4
___ ___ MAT 312 Calculus IV .......................... 4
___ ___ MAT 313 Linear Algebra ...................... 3
___ ___ PHY 233 Optics and Modern Physics ...... 4
___ ___ PHY 234 Optics & Modern Physics .......... 4
___ ___ PHY 321 Statics ................................ 3
___ ___ PHY 322 Dynamics ............................ 3
Total semester hours ...................................... 17

Junior - Fall
Term Grade
___ ___ CHE 121+121L General Chemistry I ....... 4
___ ___ CHE 122+122L General Chemistry II ...... 4
___ ___ COR 225 Cultural Heritage of the West I ...3
___ ___ COR 226 Cultural Heritage of the West II ..3
___ ___ ECO 202 Microeconomics ..................... 4
___ ___ ENG 201 Intro to Literary Studies ............ 3
___ ___ ENG 202 Microeconomics ..................... 4
___ ___ ENG 325 Global Trends in 21st Century .... 3
___ ___ ENG 337 Intercultural Experience ............ 1
___ ___ ENG 340 Christ and Culture Seminar ........ 1
___ ___ ENG 352 Speech ................................ 2
___ ___ ENG 355 Core Fine Arts Course ............... 3
___ ___ ENG 252 Speech ................................ 2
___ ___ ENG 355 Core Fine Arts Course ............... 3
___ ___ MAT 310 Linear Algebra ...................... 3
___ ___ MAT 311 Calculus III .......................... 4
___ ___ MAT 312 Calculus IV .......................... 4
___ ___ MAT 313 Linear Algebra ...................... 3
___ ___ PHY 233 Optics and Modern Physics ...... 4
___ ___ PHY 234 Optics & Modern Physics .......... 4
___ ___ PHY 321 Statics ................................ 3
___ ___ PHY 322 Dynamics ............................ 3
___ ___ PHY 323 Optics and Modern Physics ...... 4
___ ___ PHY 324 Optics & Modern Physics .......... 4
Total semester hours ...................................... 17

Junior - Spring
Term Grade
___ ___ CHE 121+121L General Chemistry I ....... 4
___ ___ CHE 122+122L General Chemistry II ...... 4
___ ___ CHE 123+123L General Chemistry III ..... 4
___ ___ COR 225 Cultural Heritage of the West I ...3
___ ___ COR 226 Cultural Heritage of the West II ..3
___ ___ ECO 202 Microeconomics ..................... 4
___ ___ ENG 201 Intro to Literary Studies ............ 3
___ ___ ENG 202 Microeconomics ..................... 4
___ ___ ENG 325 Global Trends in 21st Century .... 3
___ ___ ENG 337 Intercultural Experience ............ 1
___ ___ ENG 340 Christ and Culture Seminar ........ 1
___ ___ ENG 352 Speech ................................ 2
___ ___ ENG 355 Core Fine Arts Course ............... 3
___ ___ ENG 252 Speech ................................ 2
___ ___ ENG 355 Core Fine Arts Course ............... 3
___ ___ ENG 310 Linear Algebra ...................... 3
___ ___ ENG 311 Calculus III .......................... 4
___ ___ ENG 312 Calculus IV .......................... 4
___ ___ ENG 313 Linear Algebra ...................... 3
___ ___ ENG 325 Global Trends in 21st Century .... 3
___ ___ ENG 337 Intercultural Experience ............ 1
___ ___ ENG 340 Christ and Culture Seminar ........ 1
___ ___ ENG 352 Speech ................................ 2
___ ___ ENG 355 Core Fine Arts Course ............... 3
___ ___ MAT 310 Linear Algebra ...................... 3
___ ___ MAT 311 Calculus III .......................... 4
___ ___ MAT 312 Calculus IV .......................... 4
___ ___ MAT 313 Linear Algebra ...................... 3
___ ___ PHY 233 Optics and Modern Physics ...... 4
___ ___ PHY 234 Optics & Modern Physics .......... 4
___ ___ PHY 321 Statics ................................ 3
___ ___ PHY 322 Dynamics ............................ 3
___ ___ PHY 323 Optics and Modern Physics ...... 4
___ ___ PHY 324 Optics & Modern Physics .......... 4
Total semester hours ...................................... 17

Fourth year of college (1st year away from Covenant)
___ ___ 30 credit hours of Engineering courses
___ ___ PHY 492 Capstone Project.................... 2

Total Credit Hours required for the degree = 126