

Northwest Nazarene University
Bachelor of Science in Engineering – Computer Engineering Concentration
2020 Plan of Study (126 credits)

Fall

First year

Spring

| Course # | Cr | Course Title | | Course # | Cr | Course Title | |
|-----------|----|-----------------------------|--|-----------|----|----------------------------|--|
| ENGR 1010 | 3 | Intro to Engineering | | ENGR 1050 | 3 | Engineering CAD, Prototype | |
| MATH 2510 | 4 | Calculus I | | MATH 2520 | 4 | Calculus II | |
| ENGR 1100 | 3 | Engineering Software Skills | | PHYS 2110 | 4 | Physics I + Lab | |
| HUMN1010 | 1 | Cornerstone | | COMP2220 | 4 | Comp Programming + Lab | |
| ENGL 1030 | 3 | University Writing | | BIBL 1100 | 3 | Biblical Studies | |
| 14 | | | | 18 | | | |

Fall

Second year

Spring

| Course # | Cr | Course Title | | Course # | Cr | Course Title | |
|-----------|----|------------------------|--|-----------|----|----------------------------|--|
| ENGR 2100 | 3 | Statics | | ENGR 2120 | 3 | Dynamics | |
| ENGR 2200 | 4 | Digital Systems + Lab | | ENGR 2210 | 4 | Electrical Circuits + Lab | |
| MATH 3540 | 4 | Differential Equations | | MATH 3530 | 4 | Calculus III | |
| PHYS 2120 | 4 | Physics II + Lab | | ENGR 2310 | 1 | Instrumentation & Msmt Lab | |
| COMP 2750 | 3 | Data Structures | | COMP2630 | 3 | Computer Architecture | |
| 18 | | | | 15 | | | |

Fall

Third year

Spring

| Course # | Cr | Course Title | | Course # | Cr | Course Title | |
|-----------|----|------------------------------|--|-----------|----|---------------------------|--|
| ENGR 3400 | 4 | Control Systems + Lab | | ENGR 3410 | 3 | Engineering Econ & Ethics | |
| PHYS 3500 | 3 | Statistical Analysis for P&E | | ENGR3110L | 1 | Materials & Thermo Lab | |
| ENGR 3100 | 3 | Mechanics of Materials | | ENGR 3110 | 3 | Thermodynamics | |
| KINE | 2 | Wellness & Activity | | | 3 | Literature Elective | |
| CHEM 2230 | 4 | Chemistry for Engineer+Lab | | ENGL 3015 | 3 | Technical Writing | |
| | | | | ENGR 4230 | 4 | Embedded Systems + Lab | |
| 16 | | | | 17 | | | |

Fall

Fourth year

Spring

| Course # | Cr | Course Title | | Course # | Cr | Course Title | |
|-----------|----|-------------------------|--|-----------|----|--------------------------|--|
| ENGR 4971 | 2 | Senior Design Project I | | ENGR 4972 | 2 | Senior Design Project II | |
| | 3 | Art/Music Elective | | | 3 | Philosophy Elective | |
| THEO 2100 | 3 | Christian Theology | | | 3 | US History Elective | |
| COMM3211 | 3 | Technical Communication | | | 3 | Non US History Elective | |
| COMP 3630 | 3 | Networks & Data Comm | | | 3 | Bible/Theology Elective | |
| 14 | | | | 14 | | | |