# Engineering (BS) – Curriculum Guide

**Student Name:**

**Advisor:**

## REQUIREMENTS FOR ALL MAJORS-FIRST YEAR

### FIRST TERM
- [ ] CHEM 0101 General Chemistry I (4)
- [ ] ENGR 0015 Introduction to Engineering Analysis I (3)
- [ ] ENGR 0081 Engineering Seminar (0)
- [ ] MATH 0140 Calculus I (4)
- [ ] PHYS 0201 Foundations of Physics I (4)
- [ ] Humanities or social science elective course

### SECOND TERM
- [ ] CHEM 0102 General Chemistry II (4)
- [ ] ENGR 0016 Introduction to Engineering Analysis II (3)
- [ ] ENGR 0082 Engineering Seminar (0)
- [ ] MATH 0150 Calculus II (4)
- [ ] PHYS 0202 Foundations of Physics II (4)
- [ ] Humanities or social science elective course

## SECOND YEAR REQUIREMENTS

### MECHANICAL ENGINEERING
- [ ] ME 0024 Introduction to Mechanical Engineering Design (3)
- [ ] MEMS 0051 Introduction to Thermodynamics (3)
- [ ] ECE 0031 Linear Circuits I (4)
- [ ] ENGR 0022 Material Structure and Properties (3)
- [ ] ENGR 0135 Statics and Mechanics of Materials I (3)
- [ ] ENGR 0145 Statics and Mechanics of Materials II (3)
- [ ] ENGR 0085 Engineering Seminar (0)
- [ ] MATH 0201 Calculus III (4)
- [ ] MATH 0202 Ordinary Differential Equations (3)
- [ ] MATH 0206 Linear Algebra (3)
- [ ] Humanities or social science elective course

### CIVIL & ENVIRONMENTAL ENGINEERING
- [ ] CE 0109 Computer Methods in Civil Engineering I (3)
- [ ] ENGR 0022 Material Structure and Properties (3)
- [ ] ENGR 0131 Statics for Civil and Environmental Engineering (3)
- [ ] ENGR 0141 Mechanics of Materials for Civil and Environmental Engineering (3)
- [ ] ENGR 0085 Engineering Seminar (0)
- [ ] ECON 0102 Introductory Microeconomics (3)
- [ ] MATH 0201 Calculus III (4)
- [ ] MATH 0202 Ordinary Differential Equations (3)
- [ ] MATH 0206 Linear Algebra (3)
- [ ] Humanities or social science elective courses

### CHEMICAL & PETROLEUM ENGINEERING
- [ ] CHE 0035 Introductory Chemical Engineering (4)
- [ ] CHE 0036 Thermodynamics (3)
- [ ] CHE 1008 Introduction to Staged Separations (3)
- [ ] CHEM 0206/0207 Organic Chemistry I & Lab (4)
- [ ] CHEM 0208/0209 Organic Chemistry II & Lab (4)
- [ ] ENGR 0135 Statics and Mechanics of Materials I (3)
- [ ] ENGR 0085 Engineering Seminar (0)
- [ ] MATH 0201 Calculus III (4)
- [ ] MATH 0202 Ordinary Differential Equations (3)
- [ ] MATH 0206 Linear Algebra (3)
- [ ] Humanities or Social Science Elective

### ELECTRICAL ENGINEERING
- [ ] ECE 0031 Linear Circuits I (4)
- [ ] ECE 0041 Linear Circuits II (3)
- [ ] ECE 0132 Digital Logic (3)
- [ ] ECE 0142 Computer Organization (3)
- [ ] ECE 0257 Analysis and Design of Electronic Circuits (3)
- [ ] ENGR 0085 Engineering Seminar (0)
- [ ] MATH 0201 Calculus III (4)
- [ ] MATH 0202 Ordinary Differential Equations (3)
- [ ] MATH 0206 Linear Algebra (3)
- [ ] Humanities or social science elective courses

### COMPUTER ENGINEERING
- [ ] CIST 0150 Programming Fundamentals (3)
- [ ] ECE 0031 Linear Circuits I (4)
- [ ] ECE 0041 Linear Circuits II (3)
- [ ] ECE 0132 Digital Logic (3)
- [ ] ECE 0142 Computer Organization (3)
- [ ] ECE 0257 Analysis and Design of Electronic Circuits (3)
- [ ] ENGR 0085 Engineering Seminar (0)
- [ ] MATH 0202 Ordinary Differential Equations (3)
- [ ] MATH 0206 Linear Algebra (3)
- [ ] Humanities or social science elective courses