

DESIGN ENGINEERING TECHNOLOGY 14-15 EIGHT SEMESTER PLAN

YEAR 1

| FRESHMAN FALL | | | STATUS | PREREQ | NOTES |
|---------------|---------------------------------|-----------|--------|---------|-------|
| ETD 103 | Basic Technical Drawing | 3 | | | |
| ETD 123 | Manuf Materials & Processes | 3 | | | |
| MA 113 | College Algebra | 3 | | ACT/SAT | |
| ENG 103 | Composition 1 | 3 | | ACT/SAT | |
| ETD 101 | Intro to Engineering Technology | 1 | | | |
| PSY 113 | Principles of Psychology | 3 | | | |
| Total | | 16 | | | |

| FRESHMAN SPRING | | | STATUS | PREREQ | NOTES |
|-----------------|--|-----------|--------|--------------------|-------|
| ETD 113 | Geometric Dimensioning & Tolerancing | 3 | | ETD 103 | |
| ETD 163 | Environmental Health & Safety | 3 | | | |
| ETD 173 | Computer-Aided 3D Modeling (Solid Works) | 3 | | ETD 103 or EGR 143 | |
| MA 123 | Trigonometry | 3 | | ACT/SAT | |
| ENG 133 | Technical Communicaton | 3 | | ENG 103 | |
| Total | | 15 | | | |

| SOPHOMORE FALL | | | STATUS | PREREQ | NOTES |
|----------------|-------------------------------------|-----------|--------|------------|-------|
| ETD 233 | Engineering & Manufacturing Systems | 3 | | ETD 173 | |
| PH 154 | College Physics I & Lab | 4 | | MA 113/123 | |
| MA 134 | Calculus I | 4 | | MA 113 | |
| INF 103 | Information Technology Applications | 3 | | | |
| | Approved Elective (2+) | 2 | | | |
| Total | | 16 | | | |

YEAR 2

| SOPHOMORE SPRING | | | STATUS | PREREQ | NOTES |
|------------------|--------------------------------------|-----------|--------|-----------------|-------|
| ETD 203 | Basic Mechanisms | 3 | | MA 123 & PH 154 | |
| ETD 263 | Design Analysis & Prototyping | 3 | | ETD 233 | |
| PH 164 | College Physics II & Lab | 4 | | PH 154 | |
| CH 144 | Chemistry-Ideas & Applications & Lab | 4 | | | |
| SP 203 | Effective Speaking | 3 | | ENG 133 | |
| Total | | 17 | | | |

| JUNIOR FALL | | | STATUS | PREREQ | NOTES |
|--------------|-----------------------------------|-----------|--------|---------------------|-------|
| ETD 313 | Design for Manufacture & Assembly | 3 | | ETD 123 & ETD 233 | |
| ETD 333 | Statics & Strengths of Materials | 3 | | MA 134 or Dept Appr | |
| COM 213 | Business Communication | 3 | | ENG 133 | |
| ECO 213 | Microeconomics | 3 | | | |
| | Humanities Elective (3) | 3 | | | |
| Total | | 15 | | | |

YEAR 3

| JUNIOR SPRING | | | STATUS | PREREQ | NOTES |
|---------------|-------------------------|-----------|--------|--------------------|-------|
| MA 253 | Statistics | 3 | | MA 113 | |
| ETD 363 | Elements of Machines | 3 | | ETD 333/PH 154 | |
| ETD 273 | Electrical Fundamentals | 3 | | PH 154 | |
| MGT 363 | Organizational Behavior | 3 | | COM 213 or PSY 113 | |
| ECO 223 | Macroeconomics | 3 | | | |
| | Humanities Elective | 3 | | | |
| Total | | 18 | | | |

| SENIOR FALL | | | STATUS | PREREQ | NOTES |
|--------------|---------------------------------|-----------|--------|--------------------|-------|
| ETD 463 | Senior Design Project I | 3 | | Senior Standing | |
| EGR 453 | Advanced Parametric Design (NX) | 3 | | ETD 263 or EGR 143 | |
| ETD 433 | Computer Numerical Control | 3 | | ETD 123 & ETD 263 | |
| MGT 353 | Designing Operations | 3 | | MA 173/Inst Appr | |
| Total | | 12 | | | |

YEAR 4

| SENIOR SPRING | | | STATUS | PREREQ | NOTES |
|---------------|---------------------------|-----------|--------|---------|-------|
| ETD 473 | Senior Design Project II | 3 | | ETD 463 | |
| MGT 413 | Management of Quality | 3 | | MGT 353 | |
| | Elective (300/400 series) | 3 | | | |
| | Elective (300/400 series) | 3 | | | |
| Total | | 12 | | | |