



**California State Polytechnic University, Pomona
Degree Curriculum Sheet**

Plan (Major) **ENGINEERING TECHNOLOGY**

Catalog Year **2014 - 2015**

Name _____

Subplan/Option _____

Minimum Units Required **191**

Student ID _____

| Required Core Courses | | |
|--|--------------|-----------|
| Course | | Units |
| Electrical Technology & Lab | ETT 201/201L | 3/1 |
| Applied Statics | ETT 210 | 3 |
| Applied Dynamics | ETT 211 | 3 |
| C Programming for Technology & Lab | ETT 215/215L | 3/1 |
| Materials Science for Engr Technology | ETT 217 | 3 |
| Strength of Materials for Engr Technology & Lab | ETT 220/220L | 3/1 |
| Materials Joining & Lab | ETT 234/234L | 1/1 |
| Engineering Economics Analysis for Engr Tech | ETT 305 | 4 |
| Applied Fluid Mechanics I & Lab | ETT 310/310L | 3/1 |
| Electronic Devices and Systems & Lab | ETT 321/321L | 3/1 |
| Project/Selection and Management | ETT 460 | 2 |
| Applied Thermodynamics | ETM 306 | 4 |
| Applied Heat Transfer | ETM 308 | 4 |
| Applied Fluid Mechanics II | ETM 312 | 4 |
| Machine Elements & Lab | ETM 315/315L | 3/1 |
| Instrm and Control Applications & Lab | ETM 330/330L | 3/1 |
| Applied Heating and Air Conditioning | ETM 334 | 4 |
| Heating and Air Conditioning & Lab | ETM 335/335L | 3/1 |
| Internal Combustion Engines & Lab | ETM 410/410L | 3/1 |
| Engineering Graphics I & Lab | MFE 126/126L | 2/1 |
| Mfg Processes I--Material Removal & Lab | MFE 221/221L | 2/1 |
| Engineering Graphics II & Lab | MFE 226/226L | 2/1 |
| Mfg Processes II--Forming, Casting and Joining & Lab | MFE 230/230L | 2/1 |
| Total Units | | 81 |

| Required Support Courses | | |
|---|--------------|-----------|
| Course | | Units |
| The following required support courses should be taken to satisfy the indicated GE Requirements to achieve the minimum units to degree listed at the top of this sheet. | | |
| General Chemistry & Lab (B3) | CHM 121/121L | 3/1 |
| Engineering, Society, and You & Lab (E) | EGR 100/100L | 3/1 |
| Project Design Principles and Applications (B5) | EGR 481 | 2 |
| Project Design Principles and Applications (B5) | EGR 482 | 2 |
| Technical Calculus I (B4) | MAT 130 | 4 |
| Technical Calculus II | MAT 131 | 4 |
| Technical Calculus III | MAT 132 | 4 |
| College Physics & Lab (B1, B3) | PHY 121/121L | 3/1 |
| College Physics & Lab | PHY 122/122L | 3/1 |
| College Physics & Lab | PHY 123/123L | 3/1 |
| Total Units | | 36 |

| Elective Core Courses | | |
|----------------------------------|--------|-----------|
| Course | | Units |
| Technical Electives | ET XXX | 23 |
| (300 and 400 level courses ONLY) | | |
| Total Units | | 23 |

| General Education Requirements | |
|---|-----------|
| Area | Units |
| Area A Communication & Critical Thinking | 12 |
| 1. Oral Communication | |
| 2. Written Communication | |
| 3. Critical Thinking | |
| Area B Mathematics & Natural Sciences | 16 |
| <i>Select at least one lab course from subarea 1 or 2.</i> | |
| 1. Physical Science | |
| 2. Biological Science | |
| 3. Laboratory Activity | |
| 4. Math/Quantitative Reasoning | |
| 5. Science & Technology Synthesis | |
| Area C Humanities | 16 |
| 1. Visual and Performing Arts | |
| 2. Philosophy and Civilization | |
| 3. Literature and Foreign Language | |
| 4. Humanities Synthesis | |
| Area D Social Sciences | 20 |
| 1. U.S. History, Constitution, American Ideals | |
| a. United States History | |
| b. Introduction to American Government | |
| 2. History, Economics and Political Science | |
| 3. Sociology, Anthropology, Ethnic & Gender Studies | |
| 4. Social Science Synthesis | |
| Area E Lifelong Understanding & Self Development | 4 |
| Total Units | 68 |

| American Institutions | Units |
|---|----------|
| Courses that satisfy this requirement may also satisfy GE Area D1 | 8 |

| American Cultural Perspectives Requirement | Units |
|--|----------|
| Refer to catalog for list of courses that satisfy this requirement. Course may also satisfy major, minor, GE, or unrestricted elective requirements. | 4 |

All persons who receive undergraduate degrees from Cal Poly Pomona must pass the Graduation Writing Test (GWT). The test must be taken by the quarter following completion of 120 units for undergraduates.