BS INDUSTRIAL TECHNOLOGY

2013-2015

Units Required 180

NOTE: This document can be used as a compact display of courses and other curricular requirements. The Degree Progress Report must be used to track students’ progress in all degree requirements, throughout their Cal Poly career.

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**MAJOR COURSES (88)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 150</td>
<td>Electrical and Mechanical Power Systems</td>
<td>4</td>
</tr>
<tr>
<td>IT 233</td>
<td>Product Design with CAD</td>
<td>4</td>
</tr>
<tr>
<td>IT 260</td>
<td>Manufacturing Processes and Materials</td>
<td>4</td>
</tr>
<tr>
<td>IT 303</td>
<td>Lean Six Sigma Green Belt</td>
<td>4</td>
</tr>
<tr>
<td>IT 311</td>
<td>Industrial Safety and Quality Program Lead</td>
<td>4</td>
</tr>
<tr>
<td>IT 326</td>
<td>Product Evaluation</td>
<td>4</td>
</tr>
<tr>
<td>IT 330</td>
<td>Packaging Fundamentals (Area F)</td>
<td>4</td>
</tr>
<tr>
<td>IT 341</td>
<td>Packaging Polymers and Processing</td>
<td>4</td>
</tr>
<tr>
<td>IT 390</td>
<td>Industrial Automation</td>
<td>4</td>
</tr>
<tr>
<td>IT 407</td>
<td>Applied Business Operations</td>
<td>4</td>
</tr>
<tr>
<td>IT 461</td>
<td>Senior Project I</td>
<td>2</td>
</tr>
<tr>
<td>IT 462</td>
<td>Senior Project II</td>
<td>2</td>
</tr>
</tbody>
</table>

**Emphasis Areas**

Select one emphasis area from the following:

- **Operations Technology (OT)**
  - BUS 215 Managerial Accounting
  - IT 403 Quality Systems Management
  - IT 410 Operations Planning and Control
  - IT 415 Supply Chain & Logistics
  - IT 428 Commercialization of New Technologies

- **Packaging Technology (PT)**
  - IT 408 Paper and Paperboard Packaging
  - IT 409 Packaging Machinery and Processes
  - IT 435 Packaging Development
  - IT 457 Radio Frequency ID in Supply Chain Mgmt
  - IT 475 Packaging Performance Testing

**Emphasis Areas (cont.)**

Select from: BUS 304, 310; Any upper division (300-400 level) IT courses

**FREE ELECTIVES**

3/4

**SUPPORT COURSES (36/37)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 214</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 346</td>
<td>Principles of Marketing</td>
<td>4</td>
</tr>
<tr>
<td>BUS 391</td>
<td>Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 110 or CHEM 111 (B3 &amp; B4)</td>
<td>*</td>
<td>4/5</td>
</tr>
<tr>
<td>ECON 201</td>
<td>Survey of Economics (D2)</td>
<td>4</td>
</tr>
<tr>
<td>MATH 141 or MATH 221 Calculus (B1)</td>
<td>*</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 121</td>
<td>College Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 122</td>
<td>College Physics II</td>
<td>4</td>
</tr>
<tr>
<td>STAT 217 or STAT 218 (B1)</td>
<td>*</td>
<td>4</td>
</tr>
</tbody>
</table>

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**GENERAL EDUCATION (GE)**

52 units required; 20 of which are in Major and Support

Minimum of 12 units required at the 300 level.

**Area A Communication**

- A1 Expository Writing ............................................. 4
- A2 Oral Communication ................................................ 4
- A3 Reasoning, Argumentation & Writing .......................... 4

**Area B Science and Mathematics**

- B1 Math/Statistics (8 units in Support) ......................... 4
- B2 Life Science ................................................................ 4
- B3 Physical Science (4 units in Support) ......................... 4
- B4 One lab taken with B2 or B3 .....................................

**Area C Arts and Humanities**

- C1 Literature ............................................................... 4
- C2 Philosophy ............................................................. 4
- C3 Fine/Performing Arts .................................................. 4
- C4 Upper-division elective .............................................. 4
- C1- C5 Elective ............................................................. 4

**Area D/E Society and the Individual**

- D1 The American Experience (40404) .............................. 4
- D2 Political Economy (4 units in Support) .........................
- D3 Comp Social Institutions .............................................. 4
- D4 Self Develop (CSU Area E) .........................................
- D5 Upper-division elective .............................................. 4

**Area F Technology (upper div) (4 units in Major)**

**OTHER DEGREE REQUIREMENTS:**

- Cal Poly, Higher Ed, and Major GPA must all be at least 2.00

All students must complete:

- United States Cultural Pluralism Requirement
- Graduation Writing Requirement
- 60 units Upper Division (any 300-400 level classes)
- Upper Division units in the Major: 27
- Residency Requirements: See Degree Progress Report for details

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1 Required in Major/Support; also satisfies GE.
2 Consultation with advisor is recommended prior to selecting approved electives; bear in mind your selections may impact pursuit of post-baccalaureate studies and/or goals.
3 If a course is taken to meet the emphasis area requirement, it cannot be double-counted as an approved elective.