BS INDUSTRIAL TECHNOLOGY & PACKAGING

2017-2019  updated 07.25.17  Units Required 180-181

NOTE: This document can be used as a compact display of courses and other curricular requirements at the time of publication of the 2017-2019 catalog. The Degree Progress Report must be used to track students’ progress in all degree requirements, throughout their Cal Poly career.

Note: No major or support courses may be selected as credit/no credit.

MAJOR COURSES (92)  Units

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITP 150 Industrial Power Systems</td>
<td>4</td>
</tr>
<tr>
<td>ITP 211 Industrial Safety &amp; Quality Pgrm Ldrship</td>
<td>4</td>
</tr>
<tr>
<td>ITP 233 Product Modeling and Communication</td>
<td>4</td>
</tr>
<tr>
<td>ITP 303 Lean Six Sigma Green Belt</td>
<td>4</td>
</tr>
<tr>
<td>ITP 326 Product Design &amp; Development</td>
<td>4</td>
</tr>
<tr>
<td>ITP 330 Packaging Fundamentals (F)</td>
<td>4</td>
</tr>
<tr>
<td>ITP 341 Packaging Polymers and Processing</td>
<td>4</td>
</tr>
<tr>
<td>ITP 371 Supply Chain Mgmt in Manufacturing</td>
<td>4</td>
</tr>
<tr>
<td>ITP 406 Industrial Sales</td>
<td>4</td>
</tr>
<tr>
<td>ITP 409 Packaging Machinery and Processes</td>
<td>4</td>
</tr>
<tr>
<td>ITP 411 Packaging Sustainability</td>
<td>4</td>
</tr>
<tr>
<td>ITP 415 Supply Chain and Logistics</td>
<td>4</td>
</tr>
<tr>
<td>ITP 461 Senior Project I</td>
<td>2</td>
</tr>
<tr>
<td>ITP 462 Senior Project II</td>
<td>2</td>
</tr>
<tr>
<td>Concentration Courses</td>
<td>40</td>
</tr>
</tbody>
</table>

GENERAL EDUCATION (GE)  52

72 units required, 20 of which are in Major and Support
Minimum of 12 units required at the 300 level.

Area A Communication  12

A1 Expository Writing  4
A2 Oral Communication  4
A3 Reasoning, Argu & Writ  4

Area B Science and Mathematics  4

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  4

Area C Arts and Humanities  20

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  16

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

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

SUPPORT COURSES (36/37)  Units

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 214 or BUS 212</td>
<td>4</td>
</tr>
<tr>
<td>BUS 346 Principles of Marketing</td>
<td>4</td>
</tr>
<tr>
<td>BUS 391 Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 111 or CHEM 124 or CHEM 127 (B3, B4)</td>
<td>4-5</td>
</tr>
<tr>
<td>ECON 201 Survey of Economics (D2)</td>
<td>4</td>
</tr>
<tr>
<td>MATH 141 or MATH 221 Calculus (B1)</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 121 College Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 123 College Physics III</td>
<td>4</td>
</tr>
<tr>
<td>STAT 217 or 218 or 251 (B1) or 302</td>
<td>4</td>
</tr>
</tbody>
</table>

FREE ELECTIVES  0

OTHER DEGREE REQUIREMENTS:

• Cal Poly, Higher Ed, and Major GPA must all be at least 2.00
• For students admitted Fall 2016 and after, a grade of C- or higher is required in GE A1, A2, A3, and one GE B1 course

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

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 concentration requirement, it cannot be double-counted as an approved elective.
4 STAT 302 is not a GE course. All students must complete two approved GE B1 courses.
INDUSTRIAL TECHNOLOGY CONCENTRATION
ITP 260 Manufacturing Process & Materials..........4
ITP 390 Industrial Automation....................4
ITP 403 Lean & Quality Systems Mgmt............4
ITP 410 Operations Planning and Ctrl.............4
ITP 428 Comm of New Technologies...............4
ITP 467 Applied Business Operations..............4
Approved Electives: Select from the following....16
BUS 215, 304, 310, 313 or 418, 384, 387, 389 or 489;
ITP 234, 275, 302, 400, 408, 412, 413, 414, 419, 430,
475, 485

PACKAGING TECHNOLOGY CONCENTRATION
ITP 234 Packaging Design Fundamentals...........4
ITP 408 Paper and Paperboard Packaging..........4
ITP 412 Instrumental Analysis of Polymers........4
ITP 430 Healthcare Packaging.....................4
ITP 475 Pkg Performance Testing..................4
ITP 485 Packaging Development....................4
Approved Electives: Select from the following....16
FSN 354; GRC 337; ITP 400, 403, 410, 413, 414,
419, 428

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