Bachelor of Architecture

Program Learning Objectives
1. Think critically and creatively about architectural problems.
2. Use a diverse range of communication skills including writing, speaking, drawing, and modeling to think about and convey architectural ideas.
3. Understand and apply the technical aspects of architecture, while considering the environmental impact of design decisions.
4. Synthesize a wide range of variables that contribute to an integrated design solution.
5. Understand the professional practice of architecture.
6. Understand architecture in relation to the larger world of knowledge.
7. Work productively with diverse groups including design professionals, clients, and users.
8. Use architectural knowledge and skills to make a positive contribution to society.
9. Make reasoned decisions based on an architectural understanding of ethics, diversity, and sustainability.
10. Engage in lifelong learning as a professional.

Degree Requirements and Curriculum
In addition to the program requirements listed on this page, students must also satisfy requirements outlined in more detail in the Minimum Requirements for Graduation (http://catalog.calpoly.edu/generalrequirementsbachelorsdegree/#generaleducationtext) section of this catalog, including:
- 60 units of upper division courses
- 2.0 GPA
- Graduation Writing Requirement (GWR)
- U.S. Cultural Pluralism (USCP)

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

**MAJOR COURSES**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH 101</td>
<td>Survey of Architectural Education and Practice (1, 1, 1)</td>
<td>3</td>
</tr>
<tr>
<td>ARCH 131</td>
<td>Design and Visual Communication</td>
<td>12</td>
</tr>
<tr>
<td>&amp; ARCH 132</td>
<td>Design and Design and Visual Communication 1.2</td>
<td>1</td>
</tr>
<tr>
<td>&amp; ARCH 133</td>
<td>Design and Visual Communication 1.3</td>
<td>1</td>
</tr>
<tr>
<td>ARCH 207</td>
<td>Architectural Technology Fundamentals 2.3</td>
<td>4</td>
</tr>
<tr>
<td>ARCH 217</td>
<td>History of World Architecture: Prehistory - Middle Ages (C3)</td>
<td>4</td>
</tr>
<tr>
<td>ARCH 218</td>
<td>History of World Architecture: Middle Ages - 18th Century (Area C)</td>
<td>4</td>
</tr>
<tr>
<td>ARCH 219</td>
<td>History of World Architecture: 18th Century - Present</td>
<td>4</td>
</tr>
<tr>
<td>ARCH 241</td>
<td>Architectural Technology Fundamentals 2.1</td>
<td>8</td>
</tr>
<tr>
<td>&amp; ARCH 242</td>
<td>Architectural Technology Fundamentals 2.2</td>
<td></td>
</tr>
</tbody>
</table>

**ARCH 251** & **ARCH 252** Architectural Design 2.1 and Architectural Design 2.2 15
& ARCH 253 Architectural Design 2.3 4
ARCH 307 Architectural Systems Integration 3.2 8
ARCH 341 Architectural Systems Integration 3.1 6
& ARCH 342 Architectural Systems Integration 3.3 4
ARCH 351 Architectural Design 3.1 15
& ARCH 352 Architectural Design 3.2 4
& ARCH 353 Architectural Design 3.3 8
ARCH 420 Seminar in Architectural History, Theory and Criticism 4
or ARCH 320 Topics in Architectural History 4
ARCH 443 Issues in Contemporary Professional Practice 4
ARCH 451 Architectural Design 4.1 15
& ARCH 452 Architectural Design 4.2 4
& ARCH 453 Architectural Design 4.3 8
ARCH 481 Senior Architectural Design Project (5, 5, 5) 15
ARCH 492 Senior Design Thesis 3

**SUPPORT COURSES**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCE 211</td>
<td>Structures I</td>
<td>3</td>
</tr>
<tr>
<td>ARCE 212</td>
<td>Structures II</td>
<td>3</td>
</tr>
<tr>
<td>ARCE 226</td>
<td>Introduction to Structural Systems</td>
<td>3</td>
</tr>
<tr>
<td>ARCE 315</td>
<td>Introduction to Structural Design</td>
<td>4</td>
</tr>
<tr>
<td>ARCE 316</td>
<td>Structural Integration in Architecture</td>
<td>4</td>
</tr>
<tr>
<td>EDES 123</td>
<td>Principles of Environmental Design (D4)</td>
<td>4</td>
</tr>
<tr>
<td>MATH 141</td>
<td>Calculus I (B1)</td>
<td>4</td>
</tr>
<tr>
<td>MATH 182</td>
<td>Calculus for Architecture and Construction Management (B1)</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 121</td>
<td>College Physics I (B3)</td>
<td>4</td>
</tr>
<tr>
<td>or PHYS 141</td>
<td>General Physics IA</td>
<td></td>
</tr>
<tr>
<td>PHYS 122</td>
<td>College Physics II (B3 &amp; B4)</td>
<td>4</td>
</tr>
<tr>
<td>or PHYS 132</td>
<td>General Physics II</td>
<td></td>
</tr>
</tbody>
</table>

Professional Electives 18
May include: Any EDES, ARCH, ARCE, CM, CRP, LA or ART course. Any course included in any College of Architecture and Environmental Design minor, or the ART minor.

**GENERAL EDUCATION (GE)**
(See GE program requirements below.) 48

**FREE ELECTIVES**
Free Electives 0
Total units 225

1 Required in Major/Support; also satisfies GE.
2 Transfer students may substitute ARCH 400-02 for ARCH 101. Contact the department for details.
3 MATH 142 Calculus II substitutes for MATH 182.

**General Education (GE) Requirements**
- 72 units required, 24 of which are specified in Major and/or Support.
- See the complete GE course listing (http://catalog.calpoly.edu/generalrequirementsbachelorsdegree/#generaleducationtext).
- Minimum of 12 units required at the 300 level.

<table>
<thead>
<tr>
<th>Area A</th>
<th>Communication</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>Expository Writing</td>
</tr>
<tr>
<td>A2</td>
<td>Oral Communication</td>
</tr>
<tr>
<td>A3</td>
<td>Reasoning, Argumentation and Writing</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Area B</th>
<th>Science and Mathematics</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1</td>
<td>Mathematics/Statistics (8 units in Support)</td>
</tr>
<tr>
<td>B2</td>
<td>Life Science</td>
</tr>
<tr>
<td>B3</td>
<td>Physical Science (4 units in Support)</td>
</tr>
<tr>
<td>B4</td>
<td>One lab taken with either a B2 or B3 course</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Area C</th>
<th>Arts and Humanities</th>
</tr>
</thead>
<tbody>
<tr>
<td>C1</td>
<td>Literature</td>
</tr>
<tr>
<td>C2</td>
<td>Philosophy</td>
</tr>
<tr>
<td>C3</td>
<td>Fine/Performing Arts (4 units in major)</td>
</tr>
<tr>
<td>C4</td>
<td>Upper-division elective (no ARCH course, except ARCH 326)</td>
</tr>
<tr>
<td>Area C elective</td>
<td>(Choose one course from C1-C5) (4 units in major)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Area D/E</th>
<th>Society and the Individual</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1</td>
<td>The American Experience (Title 5, Section 40404 requirement)</td>
</tr>
<tr>
<td>D2</td>
<td>Political Economy</td>
</tr>
<tr>
<td>D3</td>
<td>Comparative Social Institutions</td>
</tr>
<tr>
<td>D4</td>
<td>Self Development (CSU Area E) (4 units in Support)</td>
</tr>
<tr>
<td>D5</td>
<td>Upper-division elective</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Area F</th>
<th>Technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
<td>Upper-division elective</td>
</tr>
</tbody>
</table>

Total units: 48

1 Required in Major/Support; also satisfies GE.