**Stanford University • School of Engineering**

**Architectural Design**

**2014–2015 Program Sheet**

*Final version of completed and signed program sheet due to the department no later than one month prior to the last quarter of senior year.*

*Follow all requirements as stated for the year of the program sheet used.*

| Name: | SU ID #: |
| Phone: | Email: |
| Today's Date: | Month/Yr B.S. expected: |

### Mathematics and Science Requirements (36 units minimum)

<table>
<thead>
<tr>
<th>Dept</th>
<th>Course</th>
<th>Title</th>
<th>Transfer/AP Approval by SoE</th>
<th>Units</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>✓ if Transfer</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Mathematics (see notes 1 & 2)

- **STATS**
  - Statistics (req'd)
- **MATH**
  - 19 Calculus (req'd)
  - 20 Calculus (req'd)
  - 21 Calculus (req'd)
- **MATH**
  - 41 & 42 or AP Calculus

**Mathematics Unit Total**

#### Science (see notes 1 & 2)

- **PHYS**
  - 41 Mechanics (req'd; See Note 3)

**Science Unit Total**

**Mathematics and Science Total (36 units minimum)**

### Technology in Society Requirement

(1 course required; see UGHB, Fig. 3-3 for approved list)

**NOTES**

- All courses taken for the major must be taken for a letter grade if that option is offered.
- This form is available as an Excel file at [http://ughb.stanford.edu/](http://ughb.stanford.edu/); you must use a program sheet from a year you are enrolled at Stanford. The printed form must be signed by the advisor. Changes must be initialed in ink.
- Read all emails from your major department; this is the School’s only effective method of communication.
- Minimum Grade Point Average (GPA) for all courses in Engineering Fundamentals and Depth (combined) is 2.0.
- Transfer and AP credits in Math, Science, Funds., & TIS must be approved by the SoE Dean’s Office. Transfer credits in Depth must be approved by the Advisor. Transfer credit petitions available at [http://ughb.stanford.edu/](http://ughb.stanford.edu/).
- All courses listed on this form must only be included under one category. Delete courses not taken.

1. AP units can be applied; must be signed off by the SoE Dean’s Office.
2. Select from SoE approved list (UGHB, Fig. 3-2) and/or specially approved Science courses EARTHSYS 101& 102, and/or recommended Math/Sci courses: CEE 64, 70, 101D; CME 100; GES 1A, B or C; PHYS 23 OR 43.
3. PHYSICS 41 is needed as a prerequisite for ENGR 14. If you want to take PHYSICS 21 instead, see advisor John Barton before enrolling.
### Engineering Fundamentals (3 courses required)

<table>
<thead>
<tr>
<th>Dept</th>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR</td>
<td>14</td>
<td>Introduction to Solid Mechanics</td>
<td>4</td>
</tr>
<tr>
<td>CEE</td>
<td>146A</td>
<td>Engineering Economy (req'd; see Note 4)</td>
<td>3</td>
</tr>
</tbody>
</table>

### Required Depth Core & Options (38 units minimum)

<table>
<thead>
<tr>
<th>Dept</th>
<th>Course</th>
<th>Title</th>
<th>Transfer/Deviation Approval by Dept</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEE</td>
<td>31(Q)</td>
<td>Accessing Architecture Through Drawing</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>CEE</td>
<td>100</td>
<td>Managing Sustainable Building Projects (WIM)</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>CEE</td>
<td>120</td>
<td>Building Information Modeling</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>CEE</td>
<td>130</td>
<td>Architectural Design</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>CEE</td>
<td>137B</td>
<td>Advanced Architectural Studio</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>ARTHIST</td>
<td>3</td>
<td>Introduction to the History of Architecture</td>
<td></td>
<td>5</td>
</tr>
</tbody>
</table>

### Depth Options (12 units minimum; see Note 5 for course list)

- CEE 101A
- CEE 101B
- CEE 101C
- CEE 156
- CEE 172
- CEE 172A
- CEE 176A
- CEE 180
- CEE 181
- CEE 182
- CEE 183
- CEE 226
- CEE 241
- CEE 242

### Depth Electives (See Note 6) (Elective units must be such that courses in Engr Fundamentals, Core, Depth Options, and Depth Electives total at least 60 units.)

### Program Totals

<table>
<thead>
<tr>
<th>Mathematics/Science (36 units minimum) + TiS</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering Fundamentals Units (3 courses required)</td>
<td></td>
</tr>
<tr>
<td>Required Depth (38 units minimum) + Depth Elective Units</td>
<td></td>
</tr>
</tbody>
</table>

### Program Unit Total (100 units minimum)

### NOTES continued

1. CEE 146A allowed as an ENGR Fund for AD majors only. Can also use ENGR 60, offered summer qtr only.
3. At least one of the following must be taken as a Depth elective: CEE 131A, CEE 139, or any CEE 32-series course.

### Program Approvals

**Advisor**
- Printed Name: __________________________
- Signature: __________________________
- Date: __________________________

**Departmental**
- Printed Name: __________________________
- Signature: __________________________
- Date: __________________________

**School of Engineering** (No action required – office use only)
- Printed Name: __________________________
- Signature: __________________________
- Date: __________________________