# University of the Pacific

## School of Engineering and Computer Science

### Yuba Community College District Articulation Sheet

<table>
<thead>
<tr>
<th>Pacific Requirement</th>
<th>fulfilled by</th>
<th>Yuba Community College District*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mathematics</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 51</td>
<td>Calculus I</td>
<td>MATH 1A</td>
</tr>
<tr>
<td>MATH 53</td>
<td>Calculus II</td>
<td>MATH 1B</td>
</tr>
<tr>
<td>MATH 55</td>
<td>Calculus III</td>
<td>MATH 2A</td>
</tr>
<tr>
<td>MATH 57</td>
<td>Differential Equations</td>
<td>MATH 2B</td>
</tr>
<tr>
<td><strong>Basic Sciences</strong></td>
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</tr>
<tr>
<td>BIOL 51</td>
<td>Principles of Biology I</td>
<td>(7)</td>
</tr>
<tr>
<td>BIOL 61</td>
<td>Principles of Biology II</td>
<td>(7)</td>
</tr>
<tr>
<td>CHEM 25</td>
<td>General Chemistry I</td>
<td>CHEM 1A</td>
</tr>
<tr>
<td>CHEM 27</td>
<td>General Chemistry II</td>
<td>(8)</td>
</tr>
<tr>
<td>PHYS 53-55</td>
<td>Principles of Physics</td>
<td>Physics 4A-4B-4C</td>
</tr>
<tr>
<td><strong>Engineering Science</strong></td>
<td></td>
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</tr>
<tr>
<td>ENGR 20</td>
<td>Engineering Mechanics I</td>
<td>ENGR 35</td>
</tr>
<tr>
<td>ENGR 45</td>
<td>Material Science</td>
<td>ENGR 45</td>
</tr>
<tr>
<td>ELEC/ENGR 41</td>
<td>Electrical Circuits/Science</td>
<td>(2)</td>
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<tr>
<td>ELEC/ENGR 41L</td>
<td>Electrical Science Lab</td>
<td>(2)</td>
</tr>
<tr>
<td>CIVL 22</td>
<td>Surveying</td>
<td>ENGR 3</td>
</tr>
<tr>
<td>ENGR 5</td>
<td>Introduction to Engineering</td>
<td>No comparable course available</td>
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<tr>
<td>ENGR 15</td>
<td>Engineering Graphics</td>
<td>(1)</td>
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<tr>
<td>(Varies)</td>
<td>Computer Programming</td>
<td>(6)</td>
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<tr>
<td>MECH 100</td>
<td>Manufacturing Processes</td>
<td>(4)</td>
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<tr>
<td>ENGR 120</td>
<td>Engineering Mechanics II</td>
<td>No comparable course available</td>
</tr>
</tbody>
</table>

### General Education

We at Pacific will accept any Community College Transfer General Education program as satisfying our own, with at most one additional class being required.

Students who present a transcript showing satisfactory completion of the above listed core requirements will be able to enroll with full junior standing. Completion of the Bachelor’s degree can be done in two additional years plus twelve months of Cooperative Education. Pacific does not require a minimum number of completed units for community college students to transfer to University of the Pacific.

1. **NOT REQUIRED** for Bioengineering, Electrical, Computer and Engineering Physics majors.
2. If the student has not completed this requirement, the student should contact the School of Engineering and Computer Science for summer school information.
3. **REQUIRED** only for Civil majors.
4. **REQUIRED** only for Mechanical majors.
5. **NOT REQUIRED** for Engineering Physics or Bioengineering majors. Most Bio., Chem., Geology, and Physics classes acceptable.
6. Electrical and Computer Engineering majors require C++ programming.
7. **REQUIRED** for Bioengineering majors.
8. **REQUIRED** for Civil students with environmental emphasis and Bioengineering. Elective for CpE, EE, ME, and other CE majors.

06-07 Catalog

For information contact Dr. Gary Martin at (209) 946-3064 or gmartin@uop.edu
Students wishing to complete the entire General Education requirements at the School of Engineering and Computer Science at the University of the Pacific should:

1. Take a minimum of three social sciences and three humanity classes totaling a minimum of 18 semester units.
2. One class should be taken from each of the three different sub-groups in each discipline (See list of typical courses below).

### Social Sciences

**Individual & Interpersonal Behavior**
- Communicative Disorders: An Overview
- Intro. to Interpersonal Communication
- Intro. to Microeconomics
- Literature & Psychology
- Intro. to Human Development
- Child Development
- Intro. to Psychology
- Sex Roles & Sexuality
- Psychoactive Drugs & Behavior
- Abnormal Psychology
- Adolescence & Young Adulthood
- Criminology
- Human Sexuality

**Society and Culture in the U.S.**
- Intro. to Mass Communication
- Economic Principles and Problems
- Intro. to Macroeconomics Theory & Policy
- U.S. History I & II
- The Civil War Era
- Women in U.S. History
- African-American History
- American Democracy
- U.S. National Government
- Mass Media & Political Participation
- Intro. to Sociology
- Social Problems & Policy
- Sports in America
- Recreation & American Society
- Music, Entertainment in U.S. Society
- The Mexican American in Contemporary Society

**International or Intercultural Studies**
- (Any non-U.S. History classes).
- (Any non-U.S. Political Science classes).
- Cultural Anthropology
- Intro. to Music of the World’s People
- Women Across Culture

### Humanities

**Literature, Letters & Language**
- (Any foreign language classes)
- (Any foreign literature classes)
- Public Speaking
- Survey of Western Art to 1400
- Intro to Argumentation

**Fundamental Human Concerns**
- History of Western Civilization I & II
- Intro. to Philosophy
- Fundamentals of Ethics
- History of Modern Philosophy
- Key Ideas of the Old Testament
- Life and Teaching of Jesus
- Nature of the Christian Faith
- Religion and American Culture
- Intro. to Religion

**Practice & Perspective in the Visual & Performing Arts**
- Visual Arts Exploration
- Survey of Western Art after 1400
- History of the Theater
- Aesthetics of Film
- Religion & Cinema
- Music Appreciation
- Performing Ensembles
- Opera Literature

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**Engineering Degrees Available**
- Bioengineering (BE)
- Civil Engineering (CE)
- Computer Engineering ( CpE)
- Electrical Engineering (EE)
- Engineering Management (EMgt)
- Engineering Physics (Eph)
- Mechanical Engineering (ME)

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