COURSE DESCRIPTION

Dept., Number  CSC 195A-D  Course Title  Professional Practice
Semester hours  1-12  Course Coordinator  Coop Coordinator

Catalog Description

Supervised employment in a professional engineering or computer science environment. Placement arranged through the College of Engineering and Computer Science. Requires satisfactory completion of the work assignment and a written report. Prerequisite: Permission of instructor. Graded Credit/No Credit.

Textbook

No textbook required.

References

Field Work Guidelines, available from the Sac State Computer Science Department.

Course Goals

To provide students with valuable work experience and an opportunity to apply what they have learned in the classroom to real world situations.

Prerequisites by Topic

None.

Major Topics Covered in the Course

Credit is given only for the following types of work:

1. Programming work that includes programming analysis, implementation, and testing through acceptance.
2. Systems analysis, design and development.
3. Internship programs with specific learning objectives identified in a computer-related area, subject to approval by the department.

Students work a minimum of 15 weeks with a sponsoring organization. The unit assignment and work are as follows:

<table>
<thead>
<tr>
<th>Units</th>
<th>Hours/Week</th>
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<tbody>
<tr>
<td>3</td>
<td>40</td>
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<tr>
<td>2</td>
<td>30</td>
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<td>1</td>
<td>20</td>
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Laboratory Projects

None.

Estimated Curriculum Category Content (Semester hours)

<table>
<thead>
<tr>
<th>Area</th>
<th>Core</th>
<th>Advanced</th>
<th>Area</th>
<th>Core</th>
<th>Advanced</th>
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<tbody>
<tr>
<td>Algorithms</td>
<td></td>
<td></td>
<td>Data Structures</td>
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<td>Software Design</td>
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<td>Prog. Languages</td>
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<td>Comp. Arch.</td>
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Oral and Written Communications

Every student is required to submit at least one written report of typically three pages. No oral presentations are required.

Social and Ethical Issues

No significant component.

Theoretical Content

No significant component.

Problem Analysis

No significant component.

Solution Design

No significant component.

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