JOB DESCRIPTION

<table>
<thead>
<tr>
<th>Position Title:</th>
<th>Adjunct Faculty Instructors Needed For: Database Management Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reporting Relationship:</td>
<td>Director &amp; Professor of Engineering</td>
</tr>
<tr>
<td>Position Type:</td>
<td>Exempt</td>
</tr>
<tr>
<td>Time Commitment:</td>
<td>Part-Time</td>
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<tr>
<td>Work Location:</td>
<td>Sunnyvale, California, 94089</td>
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</tbody>
</table>

Local Candidates Only

Position Summary:

Located in Sunnyvale, Cogswell Polytechnical College is a WASC regionally accredited 4-year institution of higher education with a curriculum that fuses art, engineering, and entrepreneurship. It has a distinguished 127-year history in California and has always been associated with best practices in the industries and communities it serves.

Cogswell is seeking part-time Faculty in the Software Engineering program to teach Database Management.

3 years of experience in Database Management Systems.

Sound understanding of:
- File Organization
- Indexing techniques
- Data Models
- Query Languages
- B-trees, B*-trees, B+-trees

Additional Information Regarding Classes:

Course Description from Catalog (SWE 360):

This is a 4 credit course, which has 45 lecture hours and 30 lab hours per semester. A semester is 15
weeks, which translates to about 5 hours a week. To accommodate full time in industry teachers, this can also be given as a Hybrid course, where class meets every other week, and in between there are online assignments/discussions/readings.

**Classes start:** January-20th. Last day is May-9th.

### Knowledge & Skill Set Requirements:

| Experience | Ability to work with and help students. Teaching experience in an academic or professional setting is preferred.  
|            | Demonstrated excellent communication skills. |

| Communication Skills | Possesses good oral, written and listening skills. Has the ability and willingness to discern and meet the needs of students. Has the ability to establish interpersonal rapport and relate to individuals from a wide range of backgrounds and cultures |

### Educational Requirements

- Bachelor’s degree is required. Masters degree is preferred.
- Bachelor’s degree is only acceptable with extensive software industry experience.
- Minimum of 3 years of professional experience in Software Engineering.

### Americans with Disability Specifications

| Physical Demands | The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.  
|                  | While performing the duties of this job, the employee is occasionally required to stand; walk; sit; use hands to finger, handle, or feel objects, tools or controls; reach with hands and arms; climb stairs; balance; stoop, kneel, crouch or crawl; talk or hear; taste or smell. The employee must occasionally lift and/or move up to 25 pounds. Specific vision abilities required by the job include close vision, distance vision, color vision, peripheral vision, depth perception, and the ability to adjust focus. |
| Work Environment | Work environment characteristics described here are representative |
of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. While performing the duties of this job, the employee is not exposed to weather conditions or any other harmful environmental conditions. The noise level in the work environment is usually moderate.

**EEOC Statement**

It is the policy and practice of the Institute to provide equal employment opportunities for all employees and applicants. Employees and applicants are evaluated on individual merit, qualifications and competence. Programs will be administered without regard to race, color, creed, religion, sex, national origin, ancestry, age, sexual orientation or the presence of any sensory, mental or physical disability, the use of a trained dog guide or service animal, or any other characteristic protected by federal, state or local law. This policy is carried out in all of Cogswell’s practices involving employment, including recruitment, hiring, promotions, transfers, compensation, benefits, training and disciplinary action.

**Special Instructions:**
For consideration, please fill out required application at the link below. Include a cover letter and curriculum vitae.

[https://home2.eease.adp.com/recruit/?id=14516572](https://home2.eease.adp.com/recruit/?id=14516572)

**Job Description Approval**

Director of Engineering:

Human Resources:

President: