Recycling and Resource Management is among the largest and most rapidly growing industries in America. As more cities and businesses develop sustainability and zero waste policies, the need increases for personnel who can properly manage resource use and recycling. The Recycling and Resource Management curriculum emphasizes an interdisciplinary approach, exploring recycling and resource management from a variety of perspectives and in a variety of settings. Core curriculum will provide students with an in-depth study of waste diversion and resource management, emphasizing cultural, community, and business applications. Courses cover governmental and organizational policies, practices, and procedures in waste and resource management, including best management practices and successful community and educational zero waste programs.

**PROGRAMS OFFERED**
- Recycling and Resource Management Associate Degree
- Recycling and Resource Management Certificate of Achievement (18 units)
- Recycling and Zero Waste Department Certificate (12 units)

### RECYCLING AND RESOURCE MANAGEMENT, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

**Program Learning Outcomes:** Upon completion of the program, students will demonstrate the ability to plan, implement, and oversee waste management programs aimed at implementing Zero Waste principles and sustainability practices for individuals, businesses, and the communities. Additionally, students will demonstrate the ability to write proposals and policy using correct terminology, principles, and California legislation and regulations regarding waste, recycling, sustainable resource management, and Zero Waste systems.

**Required Courses:** (12 units)
- **RRM 1**, Introduction to Recycling and Resource Management (3)
- **RRM 2**, Culture and Zero Waste (3)
- **RRM 3**, Resource Management and Zero Waste for Communities (3)
- **RRM 4**, Resource Management and Zero Waste for Business (3)

**Select courses from the following:** (6 units)
- **BIOL 9**, Environmental Biology (3)
- **COUNS 16**, Job Success Skills (1) and **Counselling 90B**, General Internship (2)
- **or**
- **COUNS 90C**, General Internship (3) *(with permission of Earth Science department chair)*

### RECYCLING AND RESOURCE MANAGEMENT, ASSOCIATE DEGREE OR CERTIFICATE OF ACHIEVEMENT

**Required Courses:** (12 units)
- **RRM 1**, Introduction to Recycling and Resource Management (3)
- **RRM 2**, Culture and Zero Waste (3)
- **RRM 3**, Resource Management and Zero Waste for Communities (3)
- **RRM 4**, Resource Management and Zero Waste for Business (3)

**Select courses from the following:** (6 units)
- **BIOL 9**, Environmental Biology (3)
- **COUNS 16**, Job Success Skills (1) and **Counselling 90B**, General Internship (2)
- **or**
- **COUNS 90C**, General Internship (3) *(with permission of Earth Science department chair)*

**Additional Courses:**
- **GEOG 7**, Introduction to Environmental Geography (3) *(same as ENVRN 7)*
- **PHILOS 20**, Environmental Ethics (3) *(same as ENVRN 20)*
- **POL SC 22**, Environmental Politics (3) *(same as ENVRN 22)*
- **PSYCH 40**, Environmental Psychology (3) *(same as ENVRN 40)*
RECYCLING AND ZERO WASTE, DEPARTMENT CERTIFICATE

Program Learning Outcomes: Upon completion of the program, students will demonstrate the ability to plan, implement, and oversee waste management programs aimed at implementing Zero Waste principles and sustainability practices for individuals, businesses, and the communities. Additionally, students will demonstrate the ability to write proposals and policy using correct terminology, principles, and California legislation and regulations regarding waste, recycling, sustainable resource management, and Zero Waste systems.

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- **RRM 1**, Introduction to Recycling and Resource Management (3)
- **RRM 2**, Culture and Zero Waste (3)
- **RRM 3**, Resource Management and Zero Waste for Communities (3)
- **RRM 4**, Resource Management and Zero Waste for Business (3)

NOTE: Golden West and Irvine Valley also offer a certificate in this area of study. The courses will be accepted at each institution in the manner shown on the chart below:

<table>
<thead>
<tr>
<th>TITLE</th>
<th>SANTA MONICA COLLEGE</th>
<th>IRVINE VALLEY COLLEGE</th>
<th>GOLDEN WEST COLLEGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Recycling &amp; Resource Management</td>
<td>RRM 1</td>
<td>ENV 180</td>
<td>ENV-G 141</td>
</tr>
<tr>
<td>Culture &amp; Zero Waste</td>
<td>RRM 2</td>
<td>ENV 185</td>
<td>ENV-G 142</td>
</tr>
<tr>
<td>Resource Management &amp; Zero Waste for Communities</td>
<td>RRM 3</td>
<td>ENV 190</td>
<td>ENV-G 144</td>
</tr>
<tr>
<td>Resource Management &amp; Zero Waste Business</td>
<td>RRM 4</td>
<td>ENV 195</td>
<td>ENV-G 143</td>
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