Some courses within this program may require additional coursework that must be completed prior to enrollment in these courses. Please consult the individual course listings for prerequisites and any other limitations on enrollment.
**Program Student Learning Outcome Statement:**

- Develop and expand their technological skill-set and professional practices through the use of state-of-the-art equipment and software consistent with our profession.

- Enhance their international perspective by direct involvement in classroom discussions, design programs, design projects, historical design issues and cultural and social perspectives that are global in scope, including issues of sustainability and environmental sensitivity.

- Develop a greater sense of self-awareness and interpersonal skills by required participation in team projects.

- Further enhance critical communication skills by requiring them to express not only their solution to design problems, but also demonstrating the process of arriving at these solutions, orally, graphically and three-dimensionally to professionals and fellow students.

- Develop critical thinking skills in a problem/project based curriculum that requires solving spatial, social, engineering and sustainable design problems by developing creative and individual solutions.

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**ARCHITECTURE TECHNOLOGY**

**ASSOCIATE IN SCIENCE DEGREE**

**CAREER/TECHNICAL (MAJOR CODE: 02840)**

Designed to provide the student with the skills and technical knowledge required for employment as technicians in the environmental design departments of architecture, landscape architecture, urban planning, and environmental research. Students also are placed within the building construction industry and its allied professions.

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**Program Student Learning Outcome Statement:**

- Develop and expand their technological skill-set and professional practices through the use of state-of-the-art equipment and software consistent with our profession.

- Enhance their international perspective by direct involvement in classroom discussions, design programs, design projects, historical design issues and cultural and social perspectives that are global in scope, including issues of sustainability and environmental sensitivity.

- Develop a greater sense of self-awareness and interpersonal skills by required participation in team projects.

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**FIRST SEMESTER**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH 110</td>
<td>Freehand Drawing for Designers</td>
<td>3</td>
</tr>
<tr>
<td>ARCH 115</td>
<td>Graphic Communication for Architects and Designers</td>
<td>3</td>
</tr>
<tr>
<td>ARCH 150</td>
<td>Architectural Design I</td>
<td>5</td>
</tr>
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</table>

**SECOND SEMESTER**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>ARCH 112</td>
<td>Architectural Rendering</td>
<td>3</td>
</tr>
<tr>
<td>ARCH 151</td>
<td>Architectural Design II</td>
<td>3</td>
</tr>
<tr>
<td>ARCH 165</td>
<td>Architectural Practice I</td>
<td>3</td>
</tr>
</tbody>
</table>

**THIRD SEMESTER**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ARCH 200</td>
<td>Introduction to Computer Aided Design (3)</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>BEGINNING BUILDING INFORMATION MODELING (3)</td>
<td></td>
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<tr>
<td>ARCH/SES 201</td>
<td>Beginning Building Information Modeling (3)</td>
<td>3</td>
</tr>
<tr>
<td>ARCH 235</td>
<td>Structures</td>
<td>3</td>
</tr>
<tr>
<td>ARCH 252</td>
<td>Architectural Design III</td>
<td>3</td>
</tr>
<tr>
<td>ARCH 265</td>
<td>Architectural Practice II</td>
<td>3</td>
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**FOURTH SEMESTER**

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>ARCH 222</td>
<td>Environmental Controls</td>
<td>2</td>
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<tr>
<td>ARCH 253</td>
<td>Architectural Design IV</td>
<td>3</td>
</tr>
<tr>
<td>ARCH 266</td>
<td>Architectural Practice III</td>
<td>2</td>
</tr>
</tbody>
</table>

**Total units:** 39

**Recommended Electives:** ARCH 204, 205, 208, 210

To earn an associate degree, additional general education and graduation requirements must be completed. See page 64.

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* Students planning to transfer to a four-year college or university should complete courses specific to the transfer institution of choice. University requirements vary from institution to institution and are subject to change. Therefore, it is important to verify transfer major preparation and general education requirements through consultation with a counselor in either the Counseling Center or Transfer Center. See catalog TRANSFER COURSES INFORMATION section on page 45 for further information.
FIRST SEMESTER
ARCH 110 Freehand Drawing 3
ARCH 115 Architectural Graphics 3
ARCH 150 Architectural Design I 5

SECOND SEMESTER
ARCH 112 Architectural Rendering 3
ARCH 151 Architectural Design II 3
ARCH 165 Architectural Practice I 2

THIRD SEMESTER
ARCH 200 Introduction to Computer Aided Design (3) OR
ARCH/SES 201 Beginning Building Information Modeling (3) 3
ARCH 235 Structures 3
ARCH 265 Architectural Practice II 2

FOURTH SEMESTER
ARCH 209 Construction Surveying 3
ARCH 210 World Architecture II 3
ARCH 222 Environmental Controls 2
ARCH 266 Architectural Practice III 2

Total units 37

To earn an associate degree, additional general education and graduation requirements must be completed. See page 64.

CERTIFICATES

ARCHITECTURE TECHNOLOGY

CERTIFICATE OF ACHIEVEMENT
CAREER/TECHNICAL (MAJOR CODE: A2842)

Program Student Learning Outcome Statement:
• Develop and expand their technological skill-set and professional practices through the use of state-of-the-art equipment and software consistent with our profession.
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• Further enhance critical communication skills by requiring them to express not only their solution to design problems, but also demonstrating the process of arriving at these solutions, orally, graphically and three-dimensionally to professionals and fellow students.
• Develop critical thinking skills in a problem/project based curriculum that requires solving spatial, social, engineering and sustainable design problems by developing creative and individual solutions.

GAINFUL EMPLOYMENT:
The U.S. Department of Education requires colleges to disclose a variety of information for any financial aid eligible program that “prepares students for gainful employment in a recognized occupation.”

Students who complete this program will have acquired the necessary analytical tools to successfully secure gainful employment in the field of study.

For more information regarding the data provided for this program and what it means to you as a student, please feel free to visit our SWC Gainful Employment website at: www.swccd.edu/gainfulemployment.

FIRST SEMESTER
ARCH 115 Graphic Communication for Architects and Designers 3
ARCH 150 Architectural Design I 5

SECOND SEMESTER
ARCH 112 Architectural Rendering 3
ARCH 151 Architectural Design II 3
ARCH 165 Architectural Practice I 3

Some courses within this program may require additional coursework that must be completed prior to enrollment in these courses. Please consult the individual course listings for prerequisites and any other limitations on enrollment.
THIRD SEMESTER
ARCH 200 Introduction to Computer Aided Design 3
ARCH 235 Structures 3
ARCH 265 Architectural Practice II 3

FOURTH SEMESTER
ARCH 201 Beginning Building Information Modeling 3
ARCH 222 Environmental Controls 2

Total units 31

Recommended Electives: ARCH 204, 205

ARCHITECTURE TECHNOLOGY:
ADVANCED

CERTIFICATE OF ACHIEVEMENT
CAREER/TECHNICAL (MAJOR CODE: 02841)

Program Student Learning Outcome Statement:

- Develop and expand their technological skill-set and professional practices through the use of state-of-the-art equipment and software consistent with our profession.
- Enhance their international perspective by direct involvement in classroom discussions, design programs, design projects, historical design issues and cultural and social perspectives that are global in scope, including issues of sustainability and environmental sensitivity.
- Develop a greater sense of self-awareness and interpersonal skills by required participation in team projects.
- Further enhance critical communication skills by requiring them to express not only their solution to design problems, but also demonstrating the process of arriving at these solutions, orally, graphically, and three-dimensionally to professionals and fellow students.
- Develop critical thinking skills in a problem/project based curriculum that requires solving spatial, social, engineering and sustainable design problems by developing creative and individual solutions.

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FIRST SEMESTER
ARCH 110 Freehand Drawing for Designers 3
ARCH 115 Graphic Communication for Architects and Designers 3
ARCH 150 Architectural Design I 5

SECOND SEMESTER
ARCH 112 Architectural Rendering 3
ARCH 151 Architectural Design II 3
ARCH 165 Architectural Practice I 2

THIRD SEMESTER
ARCH 200 Introduction to Computer Aided Design (3)
OR
ARCH 201 Beginning Building Information Modeling (3)
ARCH 235 Structures 3
ARCH 265 Architectural Practice II 2

FOURTH SEMESTER
ARCH 209 Construction Surveying 3
ARCH 210 World Architecture II 3
ARCH 222 Environmental Controls 2
ARCH 266 Architectural Practice III 2

ADDITIONAL COURSES
ARCH 114 Advanced Architectural Rendering 3
ARCH 205 Advanced Architectural CAD 3

Total units 43