

**PROGRAM PLANNING GUIDE**

**ARCHITECTURAL TECHNOLOGY  
A40100**

Replaces Curriculum Schedule with Revision Date: FA2016

Date Revised: FA2018

**CURRICULUM BY SEMESTER**

|                 |              |  | Hours Per Week |         |   |
|-----------------|--------------|--|----------------|---------|---|
| Course No.      | Course Title | Class                                    | Lab            | Credits |   |
| Fall Semester 1 |              |  |                |         |   |
| ARC             | 111          | Introduction to Architectural Technology | 1              | 6       | 3 |
| ARC             | 112          | Construction Materials & Methods         | 3              | 2       | 4 |
| ARC             | 114          | Architectural CAD                        | 1              | 3       | 2 |
| ARC             | 114A         | Architectural CAD Lab                    | 0              | 3       | 1 |
| ARC             | 250          | Survey of Architecture                   | 3              | 0       | 3 |

|                   |      |                                      |   |   |   |
|-------------------|------|--------------------------------------|---|---|---|
| Spring Semester 1 |      |                                      |   |   |   |
| ARC               | 113  | Residential Architectural Technology | 1 | 6 | 3 |
| ARC               | 212  | Commercial Construction Technology   | 1 | 6 | 3 |
| ARC               | 225  | Architectural BIM I                  | 1 | 3 | 2 |
| ARC               | 225A | Architectural BIM I Lab              | 0 | 3 | 1 |
| ARC               | 264  | Digital Architecture                 | 1 | 3 | 2 |
| MAT               | 121  | Algebra/Trigonometry I               | 2 | 2 | 3 |

|                   |     |                     |   |   |   |
|-------------------|-----|---------------------|---|---|---|
| Summer Semester 1 |     |                     |   |   |   |
| ENG               | 111 | Writing and Inquiry | 3 | 0 | 3 |
| HUM               | 115 | Critical Thinking   | 3 | 0 | 3 |

|                 |     |                               |   |   |   |
|-----------------|-----|-------------------------------|---|---|---|
| Fall Semester 2 |     |                               |   |   |   |
| ARC             | 131 | Building Codes                | 2 | 2 | 3 |
| ARC             | 132 | Specifications & Contracts    | 2 | 0 | 2 |
| ARC             | 211 | Light Construction Technology | 1 | 6 | 3 |
| ARC             | 220 | Advanced Architectural CAD    | 1 | 3 | 2 |
| ARC             | 230 | Environmental Systems         | 3 | 3 | 4 |
| ARC             | 240 | Site Planning                 | 2 | 2 | 3 |

|                   |     |  |   |   |   |
|-------------------|-----|--|---|---|---|
| Spring Semester 2 |     |  |   |   |   |
| ARC               | 141 | Elementary Structures for Architecture | 4 | 0 | 4 |
| ARC               | 213 | Design Project                         | 2 | 6 | 4 |
| ENG               | 114 | Professional Research & Reporting      | 3 | 0 | 3 |
| SST               | 140 | Green Building and Design Concepts     | 3 | 0 | 3 |
|                   |     | Major Electives (from 1 of 4 tracks)   |   |   | 5 |

|                   |     |                    |   |   |   |
|-------------------|-----|--------------------|---|---|---|
| Summer Semester 2 |     |                    |   |   |   |
| PSY               | 150 | General Psychology | 3 | 0 | 3 |

**Graduation Requirement Credit Hours:** 72

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**MAJOR ELECTIVES**

Choose a minimum of 5 credit hours from a selected curriculum track - Architectural CAD, Architectural Building Information Modeling (BIM), Landscape, Architectural and Landscape Illustration, or Architectural Sustainability.

| <b>Architectural Building Information Modeling (BIM) Electives Track</b> |      |                          |                      | <b>Hours Per Week</b> |                |  |
|--|------|--------------------------|----------------------|-----------------------|----------------|--|
| <b>Course No.</b>  |      | <b>Course Title</b>      | <b>Class</b>         | <b>Lab</b>            | <b>Credits</b> |  |
| Major Electives  |      |                          | Credit Hours Needed: |                       | 5              |  |
| ARC  | 226  | Architectural BIM II     | 1                    | 3                     | 2              |  |
| ARC  | 226A | Architectural BIM II Lab | 0                    | 3                     | 1              |  |
| CIV  | 125  | Civil/Surveying CAD      | 1                    | 6                     | 3              |  |
| CIV  | 230  | Construction Estimating  | 2                    | 3                     | 3              |  |
| WBL  | 111  | Work-Based Learning I    | 0                    | 10                    | 1              |  |
| WBL  | 112  | Work-Based Learning I    | 0                    | 20                    | 2              |  |
| WBL  | 113  | Work-Based Learning I    | 0                    | 30                    | 3              |  |

| <b>Landscape Technology Electives Track</b> |     |                                 |                      | <b>Hours Per Week</b> |                |  |
|---|-----|---------------------------------|----------------------|-----------------------|----------------|--|
| <b>Course No.</b>                           |     | <b>Course Title</b>             | <b>Class</b>         | <b>Lab</b>            | <b>Credits</b> |  |
| Major Electives                             |     |                                 | Credit Hours Needed: |                       | 5              |  |
| HOR   | 112 | Landscape Design I              | 2                    | 3                     | 3              |  |
| HOR   | 114 | Landscape Construction          | 2                    | 2                     | 3              |  |
| HOR   | 160 | Plant Materials I               | 2                    | 2                     | 3              |  |
| HOR   | 161 | Plant Materials II              | 2                    | 2                     | 3              |  |
| HOR   | 162 | Applied Plant Science           | 2                    | 2                     | 3              |  |
| LAR   | 111 | Intro to Landscape Arch Tech    | 1                    | 6                     | 3              |  |
| LAR   | 113 | Residential Landscape Design    | 1                    | 6                     | 3              |  |
| LAR   | 120 | Sustainable Development         | 2                    | 2                     | 3              |  |
| LAR   | 211 | Commercial Site Design          | 1                    | 6                     | 3              |  |
| LAR   | 230 | Principles of Exterior Planting | 3                    | 3                     | 4              |  |
| LAR   | 231 | Principles of Interior Planting | 2                    | 3                     | 3              |  |
| LAR   | 241 | Advanced Site Planning          | 2                    | 3                     | 3              |  |
| LAR   | 242 | Planning & Environment          | 2                    | 2                     | 3              |  |
| LAR   | 250 | Survey of LAR                   | 3                    | 0                     | 3              |  |
| WBL   | 111 | Work-Based Learning I           | 0                    | 10                    | 1              |  |
| WBL   | 112 | Work-Based Learning I           | 0                    | 20                    | 2              |  |
| WBL   | 113 | Work-Based Learning I           | 0                    | 30                    | 3              |  |

| <b>Architectural and Landscape Illustration Electives Track</b> |     |  |                      | <b>Hours Per Week</b> |                |  |
|---|-----|--|----------------------|-----------------------|----------------|--|
| <b>Course No.</b>   |     | <b>Course Title</b>                    | <b>Class</b>         | <b>Lab</b>            | <b>Credits</b> |  |
| Major Electives   |     |  | Credit Hours Needed: |                       | 5              |  |
| ARC   | 231 | Arch Presentations                     | 2                    | 4                     | 4              |  |
| ARC   | 235 | Architectural Portfolio                | 2                    | 3                     | 3              |  |
| LAR   | 235 | Landscape Arch Presentation Techniques | 2                    | 3                     | 3              |  |
| WBL   | 111 | Work-Based Learning I                  | 0                    | 10                    | 1              |  |

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|     |     |                       |   |    |   |
|-----|-----|-----------------------|---|----|---|
| WBL | 112 | Work-Based Learning I | 0 | 20 | 2 |
| WBL | 113 | Work-Based Learning I | 0 | 30 | 3 |

| Architectural Sustainability Electives Track |              |                         | Hours Per Week |     |         |
|--|--------------|-------------------------|----------------|-----|---------|
| Course No.                                   | Course Title |                         | Class          | Lab | Credits |
| Major Electives                              |              | Credit Hours Needed:    | 5              |     |         |
| ARC  | 261          | Solar Technology        | 1              | 2   | 2       |
| LAR  | 120          | Sustainable Development | 2              | 2   | 3       |
| WBL  | 111          | Work-Based Learning I   | 0              | 10  | 1       |
| WBL  | 112          | Work-Based Learning I   | 0              | 20  | 2       |
| WBL  | 113          | Work-Based Learning I   | 0              | 30  | 3       |

Certificates are available for Architectural CAD (C40100A), Building Information Modeling (C40100B), Architectural Planning Design (C40100C), Landscape Design (C40100F), Architectural and Landscape Illustration (C40100D), and Plant Identification (C40100G). The Architectural CAD Certificate is automatically completed by completing the first year of the AAS. Selecting electives from a specific track can allow completion of one of these certificates.