

# ARCHITECTURAL CAD TECHNOLOGY CERTIFICATE

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**PROGRAM CODE:** 2C21253

The **Architectural CAD Technology Certificate** is designed to prepare students for employment in the architectural field. Students may seek employment as a CAD drafter, CAD technician, 3D BIM modeler or renderer in the fields of architecture, engineering, construction and interior design. This certificate requires a total of 26-31 units.

| Code                                     | Title                               | Units        |
|--|-------------------------------------|--------------|
| <b>Required Courses (20-22 units):</b>   |                                     |              |
| ARCH 111 F                               | Introduction to Architecture        | 3            |
| ARCH 124 F                               | Architectural CAD I                 | 3            |
| ARCH 924 F                               | Architectural CAD II                | 3            |
| ARCH 934 F                               | Architectural CAD III               | 3            |
| ARCH 114 F                               | Architectural Materials and Methods | 3            |
| ARCH 227 F                               | Internship in Architecture          | 2-4          |
| BUS 180 F                                | Small Business Management           | 3            |
| <b>Restricted Electives (6-9 units):</b> |                                     | <b>6-9</b>   |
| COMM 135 F                               | Essentials of Argumentation         | 3            |
| CSTR 031 F                               | International Building Code         | 3            |
| CSTR 041 F                               | International Residential Code      | 3            |
| <b>Total Units</b>                       |                                     | <b>26-31</b> |

**Outcome 1:** Point out graphic principles/standards and conventions used in 2D/3D architectural design.

**Outcome 2:** Generate drawings using design tools and equipment of the profession.

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