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# Dual Credit Certificate Program in Architecture

## Curriculum Template

### REQUIRED

#### Four (4) Foundation Courses in Architecture

**ARCH 1311** Introduction to Architecture (w/ Design learning outcomes embedded)

**ARCH 1301** Architectural History I (w/ Design learning outcomes embedded)

**ARCH 1302** Architectural History II (w/ Design learning outcomes embedded)

**ARCH 2301** Architectural Freehand Drawing I (w/ Design learning outcomes embedded)

### OPTIONAL

#### Technical Electives

The following technical courses are not required for the certificate, but may be incorporated into the certificate program as technical major electives to introduce additional technical skillsets such as Computer-Aided Design or Architectural Drawing.

#### TECHNICAL COMPUTER-AIDED DESIGN (CAD)

Suggested Courses:

**DFTG 1X05** Introduction to Technical Drawing

**DFTG 1X09** Basic Computer-Aided Drafting

**DFTG 2X19** Intermediate Computer-Aided Drafting

**DFTG 2X32** Advanced Computer-Aided Drafting

**DFTG 1X45** Parametric Modeling and Design

**DFTG 1X33** Mechanical Drafting

**DFTG 1X17** Architectural Drafting – Residential

**DFTG 2X28** Architectural Drafting – Commercial

**ARCH 1315** Architectural Computer Graphics

**DFTG 2X30** Civil Drafting

**ARCE 1X52** Structural Drafting

**DFTG 2X12** Technical Illustration and Presentation

**ARTV 1302** Introduction to Technical Animation and Rendering

**DFTG 2X47** Advanced Technical Animation and Rendering

**DFTG 2X31** Advanced Technologies in Architectural Design and Drafting

**DFTG 2X38** Final Project-Advanced Drafting

#### TECHNICAL MAJOR DRAWING/DRAFTING COURSES

Suggested Courses:

**ARCE 1X21** Architectural Illustration

**ARCH 2302** Architectural Freehand Drawing II

**ARCH 1303** Architectural Design I

**ARCH 1304** Architectural Design II

**ARCH 1307** Architectural Graphics I

**ARCH 1308** Architectural Graphics II

#### TECHNICAL MAJOR ELECTIVE COURSES

Suggested Courses:

**ARCH 2312** Architectural Technology I

**ARCE 1342** Codes, Specifications, and Contract Documents

**CNBT 1300** Residential and Light Commercial Blueprint Reading

**CNBT 2317** Green Building

**ARCE 2X44** Statics and Strength of Materials

**ARCE 2X52** Mechanical and Electrical Systems