

Architectural Technology – Level III

ARCHITECTURE AND ENGINEERING DESIGN DEPARTMENT

Certificate 60204

This multi-level certificate program is intended to prepare students to enter the field of architecture and related areas. The student is provided with an option of direct employment into the field or preparation for transfer to the professional school of architecture. The student will be required to develop both design and working drawing portfolios. Current technology and computer (CADD) skills are integrated into the program. An A.S. Degree program is also available.

Requirements for the Certificate

Completion of the Architectural Technology: Level I and Level II Certificates (46 units).

Required courses:

Level I as follows:

| | | | |
|---------|--|-----|---------|
| ARCH 10 | Design I – Elements of Design | 3.0 | CSU |
| ARCH 11 | Architectural Drawing | 3.0 | CSU, UC |
| ARCH 12 | Architectural Materials and Specifications | 3.0 | CSU |
| ARCH 13 | Architectural Illustration | 3.0 | CSU, UC |
| ARCH 14 | Building and Zoning Codes | 3.0 | |
| ARCH 15 | Architectural Working Drawings – I | 3.0 | CSU |
| ARCH 16 | Basic CAD and Computer Application | 4.0 | CSU, UC |
| ARCH 18 | Architectural Computer Aided Design Elements | 3.0 | |

Plus select six (6) units from General Education Restricted list.

Required courses:

Level II as follows:

| | | | |
|---------|------------------------------------|-----|-----|
| ARCH 21 | Design II – Architectural Design | 3.0 | CSU |
| ARCH 23 | Architectural Presentations | 3.0 | CSU |
| ARCH 26 | Architectural CAD Working Drawings | 3.0 | |
| EDT 20 | Technical Descriptive Geometry | 3.0 | CSU |

Plus select three (3) units from General Education Restricted list.

Plus the following courses:

Level III as follows:

| | | | |
|---------|--|-----|---------|
| ARCH 27 | Design III – Environmental Design | 3.0 | CSU, UC |
| ARCH 28 | Architectural CAD 3-D Illustration and Animation | 3.0 | CSU |
| ARCH 29 | Design IV – Advanced Project | 3.0 | CSU |

Plus select six (6) units from General Education Restricted list.

Plus

Select six (6) units from:

| | | | |
|----------|---|-----|---------|
| ARTA 5 | History of Western Art: Renaissance Through Modern, <i>or</i> | 3.0 | CSU, UC |
| ARTA 5H | History of Western Art: Renaissance Through Modern – Honors | 3.0 | CSU, UC |
| BIOL 5 | Contemporary Health Issues | 3.0 | CSU, UC |
| BIOL 6 | Humans and the Environment | 3.0 | CSU, UC |
| BUSC 1A | Principles of Economics – Macroeconomics, <i>or</i> | 3.0 | CSU, UC |
| BUSC 1AH | Principles of Economics – Macroeconomics – Honors | 3.0 | CSU, UC |
| ENGL 1A | Freshman Composition, <i>or</i> | 3.0 | CSU, UC |
| ENGL 1AH | Freshman Composition – Honors | 3.0 | CSU, UC |

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|----------|---|-----|---------|
| ENGL 1B | English – Introduction to Literary Types, <i>or</i> | 3.0 | CSU, UC |
| ENGL 1BH | English – Introduction to Literary Types – Honors | 3.0 | CSU, UC |
| ENGL 1C | Critical Thinking and Writing, <i>or</i> | 3.0 | CSU, UC |
| ENGL 1CH | Critical Thinking and Writing – Honors | 3.0 | CSU, UC |
| FCS 41 | Life Management | 3.0 | CSU |
| HIST 3 | History of World Civilization | 3.0 | CSU, UC |
| MATH 51 | Elementary Algebra | 4.0 | |
| MATH 71 | Intermediate Algebra | 5.0 | |
| MATH 150 | Trigonometry | 3.0 | CSU |
| PHIL 5 | Introduction to Philosophy, <i>or</i> | 3.0 | CSU, UC |
| PHIL 5H | Introduction to Philosophy – Honors | 3.0 | CSU, UC |
| PHIL 12 | Ethics, <i>or</i> | 3.0 | CSU, UC |
| PHIL 12H | Ethics – Honors | 3.0 | CSU, UC |
| PHYS 2AG | General Physics | 4.0 | CSU, UC |
| PSYC 1A | Introduction to Psychology, <i>or</i> | 3.0 | CSU, UC |
| PSYC 1AH | Introduction to Psychology – Honors | 3.0 | CSU, UC |
| PSYC 33 | Psychology for Effective Living | 3.0 | CSU |
| SOC 1 | Sociology, <i>or</i> | 3.0 | CSU, UC |
| SOC 1H | Sociology – Honors | 3.0 | CSU, UC |
| SPCH 1A | Public Speaking, <i>or</i> | 3.0 | CSU, UC |
| SPCH 1AH | Public Speaking – Honors | 3.0 | CSU, UC |

TOTAL UNITS 52.0