

Architectural Technology – Level II

ARCHITECTURE AND ENGINEERING DESIGN DEPARTMENT

Certificate 60203

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

Required courses:

Completion of the Architectural Technology – Level I Certificate (31 units) 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

Level I-Select six 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
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

Plus

Additional 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:

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
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 46.0