

# ARCHITECTURAL DESIGN - ASSOCIATE IN SCIENCE

Plan Code: 2908

This degree is designed to provide foundational knowledge of the practice of architecture with the option of maximizing the number of lower division transfer units. This Associate Degree will prepare students for a design-related career, and appropriate course selection will facilitate transfer to a professional degree program.

## Program Student Learning Outcomes

- Demonstrate the ability to attain the Institutional Student Learning Outcomes (ISLOs).
- Evaluate appropriate techniques and technology to use in the solution and documentation of architectural projects.
- Apply architectural and construction practices in the documentation of architectural problems.

## Program Requirements

This degree requires the completion of General Education coursework plus the following:

Code Number	Course Title	Units
ARCHT 20	Visual Literacy and Civilization	3
ARCHT 21	Design Methods and Theories	3
ARCHT 36	Visualization and Communication	3
ARCHT 61	Architectural Design Studio I	4
ARCHT 62	Architectural Design Studio II	4
ARCHT 65	Architectural Design Studio III	4
ARCHT 71	Design/Build Studio	4
ARCHT 80	Arch. History - Ancient to Medieval	3
ARCHT 91	Environmental Controls Systems	3
ARCHT 93	Structures 1	3
DSGN 20	Space Planning	3
<b>Required Subtotal</b>		<b>37</b>
Complete one of the following: <sup>1</sup>		19-39
LBCC General Education (Plan A) ( <a href="https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-a/">https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-a/</a> )		
CSU GE Breadth (Plan B) ( <a href="https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-b/">https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-b/</a> )		
IGETC Pattern (Plan C) ( <a href="https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-c/">https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-c/</a> )		
Electives (as needed to reach 60 degree-applicable units) <sup>2</sup>		
<b>Minimum Degree Total</b>		<b>60</b>

<sup>1</sup> Units for the major may be double-counted for LBCC GE, CSU GE, or IGETC; see counselor for limitations.

<sup>2</sup> Elective units from course(s) numbered 1-599, if needed, to reach 60 degree-applicable units.

RECOMMENDED but not required courses:

Code Number	Course Title	Units
COMM 60	Elements of Argumentation and Debate	3
ENGL 3/3H	Argumentative and Critical Writing	4
MATH 40	Trigonometry	3
PHYS 2A	General Physics	4.5

# ARCHITECTURAL DESIGN - CERTIFICATE OF ACHIEVEMENT

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Plan Code: 3908

This Certificate of Achievement will prepare students for an entry-level position in a variety of design profession settings and may serve as a foundation for specialization.

## Program Student Learning Outcomes

- Acquire the professional attitude and desire for life-long learning and stay current with advanced technologies.

Code Number	Course Title	Units
ARCHT 20	Visual Literacy and Civilization	3
ARCHT 36	Visualization and Communication	3
ARCHT 61	Architectural Design Studio I	4
ARCHT 62	Architectural Design Studio II	4
ARCHT 80	Arch. History - Ancient to Medieval	3
ARCHT 81	Arch. History - Medieval to Renaissance	3
COMM 60	Elements of Argumentation and Debate	3
ENGL 3/3H	Argumentative and Critical Writing	4
MATH 40	Trigonometry	3
PHYS 2A	General Physics	4.5
<b>Total Units</b>		<b>34.5</b>

# BUILDING INFORMATION MODELING (BIM) COORDINATOR - CERTIFICATE OF ACHIEVEMENT

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**Plan Code: 3904**

This certificate is designed for students with experience in the built environment profession that seek expertise in specific design software. The courses provide students with the knowledge and skills needed for today's architectural design profession, focusing on a range of relevant software (REVIT, Rhinoceros, AutoCAD, SketchUp). The program is designed to be completed in 1.5 years with part-time enrollment and will provide students with the technical skills needed to find employment in architecture or an allied field.

## Program Student Learning Outcomes

- Develop the most up-to-date understanding of Building Information Modeling (BIM) software in the fields of architecture, engineering, and other related fields.

<b>Code Number</b>	<b>Course Title</b>	<b>Units</b>
ARCHT 32	Sketchup I	1.5
ARCHT 33 or ARCHT 34	Sketchup II AutoCAD Basics	1.5
ARCHT 35	Rhino Basics	1.5
ARCHT 230	REVIT I	4
ARCHT 231	REVIT II	4
ARCHT 232	REVIT III	4
ARCHT 233	REVIT IV	4
ARCHT 234	REVIT V	4
<b>Total Units</b>		<b>24.5</b>

# ARE EXAM PREP - CERTIFICATE OF COMPLETION

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**Plan Code: 4908**

The ARE Exam Prep program prepares students studying to be an architect for the Architect Registration Exam. Students will understand the skills and abilities required for providing services in the practice of architecture. Students who reach competencies may advance to develop skills for the workplace and to prepare for future educational opportunities.

## Program Student Learning Outcomes

- Demonstrate knowledge of theory and skillsets related to the profession of architecture.

## Program Requirements

<b>Code Number</b>	<b>Course Title</b>	<b>Hours</b>
ARCHT 601	ARE Exam Prep I	27
ARCHT 602	ARE Exam Prep II	27
ARCHT 603	ARE Exam Prep III	27
ARCHT 604	ARE Exam Prep IV	27
ARCHT 605	ARE Exam Prep V	27
ARCHT 606	ARE Exam Prep VI	27
<b>Total Hours</b>		<b>162</b>