

ARCHITECTURAL DESIGN - ASSOCIATE IN SCIENCE

Plan Code: 2908

This program 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
REQUIRED COURSES		
ARCHT 20	Visual Literacy and Civilization	3
ARCHT 21	Design Methods and Theories	3
ARCHT 36	Visualization and Communication	3
ARCHT 61	Fundamental Design Studio	4
ARCHT 62	Social Design Studio	4
ARCHT 65	Urban Design Studio	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
Required Subtotal		37
Complete one of the following: ¹		
LBCC General Education (Plan A) (https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-a/)		
CSU GE Breadth (Plan B) (https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-b/)		
IGETC Pattern (Plan C) (https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-c/)		
Electives (as needed to reach 60 degree-applicable units) ²		
Minimum Degree Total		60

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

² 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

Plan Code: 3908

This program 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.

Program Requirements

Code Number	Course Title	Units
REQUIRED COURSES		
ARCHT 20	Visual Literacy and Civilization	3
ARCHT 36	Visualization and Communication	3
ARCHT 61	Fundamental Design Studio	4
ARCHT 62	Social Design Studio	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
Total Units		34.5

BUILDING INFORMATION MODELING (BIM) COORDINATOR - CERTIFICATE OF ACHIEVEMENT

Plan Code: 3904

This program 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.

Program Requirements

Code Number	Course Title	Units
REQUIRED COURSES		
ARCHT 32	SketchUp I	1.5
ARCHT 33	SketchUp II	1.5
or ARCHT 34	AutoCAD Basics	
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
Total Units		24.5

DESIGN BASICS - CERTIFICATE OF ACHIEVEMENT

Plan Code: 3903

This program provides students with the knowledge and skills needed to enter architecture, interior design or design management, or another design-related profession. Students will learn introductory drafting and design skills that can be applied in spatial design or related fields.

Program Student Learning Outcomes

- Apply foundational drafting and design skills to architectural projects.

Program Requirements

Code Number	Course Title	Units
REQUIRED COURSES		
ARCHT 20	Visual Literacy and Civilization	3
ARCHT 32	SketchUp I	1.5
ARCHT 34	AutoCAD Basics	1.5
ARCHT 61	Fundamental Design Studio	4
ARCHT 230	REVIT I	4
Total Units		14

ADOBE FOR DESIGNERS - CERTIFICATE OF COMPLETION

Plan Code: 6043

This program provides students with an introduction to drawing techniques as they relate to architecture, interior design, design management, and other design-related professions. Students will develop their skills using Adobe Suite software. This program can facilitate finding employment in the field of spatial design or related fields.

Program Student Learning Outcomes

- Apply knowledge of theory and skillsets in Adobe software related to design professions like interior design, construction management, industrial design and architectural design.

Program Requirements

Code Number	Course Title	Hours
REQUIRED COURSES		
DSGN 601	Photoshop for Designers	54
DSGN 602	Illustrator for Designers	54
DSGN 603	InDesign for Designers	54
Total Hours		162

ARE EXAM PREP - CERTIFICATE OF COMPLETION

Plan Code: 6042

This 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

Code Number	Course Title	Hours
REQUIRED COURSES		
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
Total Hours		162

AUTOCAD ESSENTIALS - CERTIFICATE OF COMPLETION

Plan Code: 6044

This program provides students with an introduction to drawing techniques as they relate to architecture, interior design, design management, and other design-related professions. Students will develop their skills using AutoCAD software. This program can facilitate finding employment in the field of spatial design or related fields.

Program Student Learning Outcomes

- Apply knowledge of theory and skillsets in AutoCAD related to design professions like interior design, construction management, industrial design and architectural design.

Program Requirements

Code Number	Course Title	Hours
REQUIRED COURSES		
ARCHT 634	AutoCAD Basics	54
ARCHT 637	Advanced AutoCAD	54
Total Hours		108

DESIGN/BUILD - CERTIFICATE OF COMPLETION

Plan Code: 6053

This program offers an immersive learning experience, equipping students with practical skills in design, drafting, 3D modeling, and construction. Students will not only master industry-standard tools and techniques, but also apply their knowledge through collaborative, real-world projects, laying a strong foundation for future educational pursuits and professional endeavors in the field of design and construction.

Program Student Learning Outcomes

- Develop proficiency in design, drafting, 3D modeling, and construction, enabling students to effectively integrate and apply theoretical knowledge to real-world projects across various design and construction disciplines.

Program Requirements

Code Number	Course Title	Hours
ARCHT 634	AutoCAD Basics	54
ARCHT 635	Rhino Basics	54
ARCHT 671	Design/Build Studio	108
Total Hours		216

DESIGN INTRODUCTION - CERTIFICATE OF COMPLETION

Plan Code: 6045

This program provides students with an introduction to the skillsets and foundations of architecture, interior design, and other design-related concepts. Students will develop skills necessary for introductory design and architectural modeling. This program facilitates students' ability to successfully participate in other certificates and degrees related to industrial and interior design.

Program Student Learning Outcomes

- Apply knowledge of design theory and modeling skillsets to projects related to design professions like interior design and architectural design.

Program Requirements

Code Number	Course Title	Hours
REQUIRED COURSES		
ARCHT 610	Design 101	27
ARCHT 611	Modeling 101	27
Total Hours		54

DESIGNING WITH RHINOCEROS - CERTIFICATE OF COMPLETION

Plan Code: 6046

This program provides students with an introduction to drawing techniques as they relate to architecture, interior design, and design management. Skills are developed using the Rhinoceros 3D software. This program can facilitate finding employment in the field of spatial design or related fields.

Program Student Learning Outcomes

- Apply knowledge of theory and skillsets in Rhinoceros to projects related to design professions like interior design and architectural design.

Program Requirements

Code Number	Course Title	Hours
REQUIRED COURSES		
ARCHT 635	Rhino Basics	54
ARCHT 661	Fundamental Design Studio	108
Total Hours		162

REVIT ESSENTIALS - CERTIFICATE OF COMPLETION

Plan Code: 6047

This program provides students with an introduction to drawing techniques as they relate to architecture, interior design, and design management. Skills are developed using the REVIT software. This program can facilitate finding employment in the field of spatial design or related fields.

Program Student Learning Outcomes

- Apply knowledge of theory and skillsets in Revit to projects related to design professions like interior design and architectural design.

Program Requirements

Code Number	Course Title	Hours
REQUIRED COURSES		
ARCHT 640	REVIT I	108
ARCHT 641	REVIT II	108
ARCHT 642	REVIT III	108
Total Hours		324

SKETCHUP ESSENTIALS - CERTIFICATE OF COMPLETION

Plan Code: 6048

This program provides students with an introduction to drawing techniques as they relate to architecture, interior design, and design management. Skills are developed using the SketchUp software. This program can facilitate finding employment in the field of spatial design or related fields.

Program Student Learning Outcomes

- Apply knowledge of theory and skillsets in SketchUp to projects related to design professions like interior design and architectural design.

Program Requirements

Code Number	Course Title	Hours
REQUIRED COURSES		
ARCHT 632	SketchUp I	54
ARCHT 633	SketchUp II	54
Total Hours		108