

ARCHITECTURE

Associate of Science

The Associate of Science (AS) in Architecture prepares students who are interested in pursuing a career in the field of Architecture. Students develop skills in architectural history, design, graphics, and technology. They receive fundamental training in software such as AutoCad, Revit, Photoshop, and Illustrator, as well as other design software and equipment. The degree is designed to transfer seamlessly into four-year universities that offer a Bachelor in Architecture anywhere in the state of Texas.

Program Learning Outcomes

1. Communication Skills: Graduates will be able to communicate ideas within the professional and public setting. ARCH 2604
2. Design Thinking Skills: Graduates will be able to utilize design thinking to articulate a project through the design development phase. ARCH 2604
3. History and Global Culture: Graduates will recognize the relationship between buildings and their cultural, historical, and physical contexts, which may include consideration of vernacular and regional settings appropriate to the period. ARCH 1302
4. Professional Practice: Graduates will explain the collaborative relationship of architecture and allied professions. ARCH 2312
5. Graphics: Graduates will communicate design ideas graphically in a range of media. ARCH 2604
6. Constructability: Graduates will demonstrate basic principles of constructability, such as building materials, building infrastructure, structural systems, building envelope, and sustainability. ARCH 2312

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Field of Study - 33 Credit Hours

ARCH 1311	Introduction to Architecture	3
ARCH 1302	Architectural History II	3
ARCH 1303	Architectural Design I	3
ARCH 1304	Architectural Design II	3
ARCH 2603	Architectural Design III	6
ARCH 2604	Architectural Design IV	6
ARCH 1307	Architectural Graphics I	3
ARCH 1308	Architectural Graphics II	3
ARCH 2312	Architectural Technology	3

STC Core Curriculum - 27 Credit Hours

Complete a minimum of 27 credit hours of required Core Curriculum including the following:¹

Creative Arts

ARCH 1301	Architectural History I
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Life and Physical Sciences

PHYS 1401	College Physics I
PHYS 1402	College Physics II

Mathematics

MATH 2412	Pre-Calculus Math ²
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Core Component Area Option

SPCH 1311	Introduction to Speech Communication
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Total Credit Hours **60**

¹ In addition to the courses in the Field of Study, the student is required to take 27 credit hours from the STC Core Curriculum.

² Has a prerequisite of MATH 1414 College Algebra or MATH 1324 Mathematics for Business & Social Sciences.

Recommended After Completion of Degree to be Core Complete

Students who would like to be Core complete upon transfer should also complete courses from the following Core component areas.

Government/Political Science

GOVT 2305	Federal Government
GOVT 2306	Texas Government

American History

HIST 1301	United States History I
	or HIST 2327 Mexican-American History I
	or HIST 2381 African American History I
HIST 1302	United States History II
	or HIST 2328 Mexican-American History II
	or HIST 2382 African American History II

Creative Arts Elective - Core Curriculum

Additional Creative Arts Elective may be required depending on transferring institution

Language, Philosophy & Culture Elective - Core Curriculum

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Recommended Course Sequence

Course	Title	Credit Hours
First Year		
Fall		
ARCH 1311	Introduction to Architecture	3
ARCH 1301	Architectural History I	3
ARCH 1303	Architectural Design I	3
ARCH 1307	Architectural Graphics I	3
ENGL 1301	Composition I	3
Credit Hours		15
Spring		
ARCH 1308	Architectural Graphics II	3
ARCH 1304	Architectural Design II	3
MATH 2412	Pre-Calculus Math ¹	4
Social and Behavioral Sciences Elective - Core Curriculum		3
Credit Hours		13
Summer		
ENGL 1302	Composition II - Rhetoric	3
PHYS 1401	College Physics I	4
Credit Hours		7
Second Year		
Fall		
ARCH 1302	Architectural History II	3
ARCH 2603	Architectural Design III	6
PHYS 1402	College Physics II	4
Credit Hours		13
Spring		
ARCH 2312	Architectural Technology	3
ARCH 2604	Architectural Design IV	6

SPCH 1311	Introduction to Speech Communication	3
Credit Hours		12
Total Credit Hours		60

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Creative Arts Elective - Core Curriculum

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Language, Philosophy & Culture Elective - Core Curriculum