

Architecture, BS

Bachelor of Science in Architecture

The Bachelor of Science degree in Architecture, (pre-professional program) provides the common foundation for studies in architecture. It is intended to deliver the basic knowledge for the preparation of an educated practitioner and to lead to professional studies at the graduate level.

The Bachelor of Science in Architecture degree has two concentrations; Program A, the professional concentration, which upon successful completion, leads directly to enrollment in the Master of Architecture professional degree. Program B, the non-professional concentration, provides a basic education in architecture with the opportunity to study a broad range of elective opportunities. Both tracks consist of 132 credit hours of undergraduate courses.

Degree Program Requirements

Complete Core Curriculum Listing at <https://catalog.pvamu.edu/universitycorecurriculum/>

Core Curriculum 42 Credit Hours

Communication		6
ENGL 1301	Freshman Composition I	
ENGL 2311	Technical and Business Writing	
Mathematics		3
MATH 1316	Trigonometry	
Life and Physical Sciences		6
PHSC 1315	Physical Science I	
PHSC 1317	Physical Science II	
Language, Philosophy, and Culture		3
ARCH 1301	Architectural History I	
Creative Arts		3
ARCH 1303	Architectural Design I	
American History		6
HIST 1301	United States History I	
HIST 1302	United States History II	
Government/Political Science		6
POSC 2305	American Government	
POSC 2306	Texas Government	
Social and Behavioral Sciences		3
ECON 1301	Fundamentals of Economics in a Global Society	
Component Area Option One		3
FINA 2313	Financial Planning from a Global Perspective	
Component Area Option Two		3
ARCH 1327	Multimedia Digital Application	
Major Requirements		
ARCH 1307	Visual Communications	3
ARCH 1626	Architectural Design II	6
ARCH 1315	Computer Aided Design	3
ARCH 1302	History of Architecture II	3
ARCH 2603	Architecture Design III	6
ARCH 2604	Architecture Design IV	6
ARCH 2312	Architectural Technology	3
ARCH 3625	Architecture Design V	6
ARCH 3626	Architecture Design VI	6
ARCH 3328	Materials and Methods	3

ARCH 3329	Structural Systems I	3
ARCH 3345	Environmental Systems	3
ARCH 3346	Sustainable Building	3
ARCH 4343	Structural Systems II	3
ARCH 4344	CAD Construction Documents and Codes	3
ARCH 4359	Professional Practice	3

Concentration (Select one from below) 27

Professional Track Concentration take the following courses:

ARCH 4645	Architecture Design VII	
ARCH 4647	Architecture Design VIII	
Architecture Electives (Take 6 hours of ARCH Electives)		
Non-Architecture Electives (Take 9 hours of electives in any area)		

Non-Professional Track Concentration

Electives (Take 27 hours of electives)		
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Total Hours 132

Bachelor of Science in Architecture, Non-Professional Track Degree Sequence

Core: <https://catalog.pvamu.edu/universitycorecurriculum/> (<https://catalog.pvamu.edu/universitycorecurriculum/>)

Freshman

Fall - Semester 1	Hours	Spring - Semester 2	Hours	Summer	Hours
Communication Core		3 ARCH 1626		6 Government/Political Science Core	3
ENGL 1301		ARCH 1315		3 POSC 2305	
Mathematics Core		3 Communication Core		3	
MATH 1316		ENGL 2311			
Component Area Option Two Core		3 American History Core		3	
ARCH 1327		HIST 1301			
ARCH 1307		3			
Creative Arts Core		3			
ARCH 1303					
Total		15 Total		15 Total	3

Total Hours: 33

Sophomore

Fall - Semester 1	Hours	Spring - Semester 2	Hours
Language, Philosophy, and Culture Core		3 ARCH 1302	3
ARCH 1301		ARCH 2604	6
ARCH 2603		6 Life and Physical Sciences Core	3
ARCH 2312		3 PHSC 1317	
Government/Political Science Core		3 American History Core	3
POSC 2306		HIST 1302	
Life and Physical Sciences Core		3 Component Area Option One Core	3
PHSC 1315		FINA 2313	
Total		18 Total	18

Total Hours: 36

Junior

Fall - Semester 1	Hours	Spring - Semester 2	Hours
ARCH 3625		6 ARCH 3626	6
ARCH 3345		3 ARCH 4359	3
ARCH 3329		3 ARCH 4343	3

Social and Behavioral Science Core	3 ARCH 3328	3
ECON 1301	Concentration Track Requirement	3
Total	15 Total	18

Total Hours: 33

Senior

Fall - Semester 1	Hours	Spring - Semester 2	Hours
ARCH 4344		3 Concentration Track Requirement	3
ARCH 3346		3 Concentration Track Requirement	3
Concentration Track Requirement		3 Concentration Track Requirement	3
Concentration Track Requirement		3 Concentration Track Requirement	3
Concentration Track Requirement		3	
Concentration Track Requirement		3	
Total		18 Total	12

Total Hours: 30

Name	Unit
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Total Semester Credit Hours: 132

Bachelor of Science in Architecture, Professional Track Degree Sequence

Core: <https://catalog.pvamu.edu/universitycorecurriculum/> (<https://catalog.pvamu.edu/academicprogramsanddegreeplans/schoolofarchitecture/undergrad/arch/%20https://catalog.pvamu.edu/universitycorecurriculum/>)

Freshman

Fall - Semester 1	Hours	Spring - Semester 2	Hours	Summer	Hours
Communication Core		3 ARCH 1626		6 Government/Political Science Core	3
ENGL 1301		Communication Core		3 POSC 2305	
Mathematics Core		3 ENGL 2311			
MATH 1316		American History Core		3	
Component Area Option Two Core		3 HIST 1301			
ARCH 1327		ARCH 1315		3	
ARCH 1307		3			
Creative Arts Core		3			
ARCH 1303					
Total		15 Total		15 Total	3

Total Hours: 33

Sophomore

Fall - Semester 1	Hours	Spring - Semester 2	Hours	Summer	Hours
Language, Philosophy, and Culture Core		3 ARCH 1302		3 Social and Political Sciences Core	3
ARCH 1301		ARCH 2604		6 ECON 1301	
ARCH 2603		6 Life and Physical Sciences Core		3	
ARCH 2312		3 PHSC 1317			
Government/Political Science Core		3 American History Core		3	
POSC 2306		HIST 1302			
Life and Physical Sciences Core		3 Component Area Option One Core		3	

PHSC 1315	FINA 2313		
Total	18 Total	18 Total	3
Total Hours: 39			
Junior			
Fall - Semester 1	Hours	Spring - Semester 2	Hours
ARCH 3625		6 ARCH 3626	6
ARCH 3345		3 ARCH 4359	3
ARCH 3329		3 ARCH 4343	3
Elective #1		3 ARCH 3328	3
		Elective #2	3
Total		15 Total	18
Total Hours: 33			
Senior			
Fall - Semester 1	Hours	Spring - Semester 2	Hours
ARCH 4344		3 ARCH 4647	6
ARCH 3346		3 Elective #4	3
ARCH 4645		6 Elective #5	3
Elective #3		3	
Total		15 Total	12
Total Hours: 27			
Name	Unit		
Total Semester Credit Hours: 132			

Marketable Skills

Marketable skills, as defined by the Texas Higher Education Coordinating Board's 60x30TX Plan (<http://www.60x30tx.com/>), include interpersonal, cognitive, and applied skill areas, are valued by employers, and can be either primary or complementary to a major. Marketable skills are acquired by students through education, including curricular, co-curricular, and extracurricular activities.

BS Architecture

Degree Skills

1. Development of skills needed to create design concepts that solve the program of needs from a client
2. Understanding of theories, concepts, principles and design fundamentals in order to create solutions through two- and three-dimensional design
3. Development of knowledge related to materials and systems involved in design and construction including structures, building enclosures, and mechanical, electrical and plumbing

Concentration Skills

1. Development of composition, writing and presentation skills needed for professional employment
2. Ability to present before the public and clients

Co-curricular and Extracurricular Skills

1. Appropriate use of computer programs to design and to present concepts for approval
2. Expanded use of systems such as Building Information Modeling (BIM) to document design in technical drawings for bidding and construction