

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) | | |
|--|--|--|

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 |
|-------------|-------------|
|-------------|-------------|

Total Semester Credit Hours: 132

Bachelor of Science in Architecture, Professional Track Degree Sequence

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