ARCHITECTURAL SCIENCE, ASSOCIATE IN SCIENCE

The Associate of Science (AS) in Architectural Science provides a balance of architectural technology and architectural design; courses provide students with a diverse foundation of knowledge in the fields of architecture, landscape architecture, and urban planning, which prepares students for careers in a wide range of design fields.

The Architectural Science, AS degree provides students with the skills necessary to design, model, or present a wide array of projects according to the latest standards and advances in technology. Students may choose a specific area of study or gain broad knowledge in diverse fields. The use of state-of-the art parametric modeling programs provides students with employment and advanced education skills. The curriculum visualizes architecture as a cultural, creative, and technical practice discipline with direct social impact.

This AS degree is designed to prepare students to work as architectural technicians or designers in an architectural, engineering, or development office.

Course ID	Title	Units/ Hours
Required Major Courses		
ARCH V10	Introduction to Architectural Design	2
ARCH V21	Architectural Graphics I	3
ARCH V22	Architectural Graphics II	3
ARCH V23/ DRFT V05A	Introduction to AutoCAD	2
ARCH V25	Digital Tools for Architecture	3
ARCH V31	Revit Practice I	3
ARCH V32	Revit Practice II	3
ARCH V40	Architectural Design I	3
ARCH V41	Architectural Design II	3
Total Required Major Units		**25**

Ventura College General Education Pattern		
Major Units		25
GE Pattern Units		29
Double-Counted Units		0
Elective Units (to reach 60 units)		6
Total Units for the Associate Degree		**60**

Recommended Courses

In addition to the required courses listed above, it is recommended that students who seek to obtain additional insight into the field of study consider taking one or more of the following courses: ARCH V11 Blueprint Reading: Architectural/Construction (Units: 3), ARCH V15 Design and Model Construction (Units: 2), ARCH V24 Advanced Operations of AutoCAD (Units: 2), ARCH V33 Computer Applications in Architecture (Units: 3), ARCH V60 Simplified Engineering for Building Construction (Units: 3), ARCH V64 Building Construction: Materials and Methods (Units: 3), ARCH V95 (Units:), ARCH V96 Work Experience Education in Architecture (Units: 1-14); CT V20 Blueprint Reading: Architectural/ Construction (Units: 3), CT V60 Simplified Engineering for Building Construction (Units: 3), CT V64 Building Construction: Materials and Methods (Units: 3), DRFT V02B Blueprint Reading: Architectural/ Construction (Units: 3), DRFT V05B Advanced Operations of AutoCAD (Units: 2).

Although these supplemental courses may be of value to the student, please note that they do **not** satisfy the requirements for this degree.

Additional Specialized Courses

In addition to the courses listed above, it is recommended that students who seek to obtain additional specialized insight into the field of study consider taking one of more of the following courses: ARCH V58 International Residential Code (Units: 3), ARCH V59 International Building Code (Units: 3); CT V58 International Residential Code (Units: 3), CT V59 International Building Code (Units: 3).

Year 1		
Fall Semester		**Units/Hours**
ARCH V10	Introduction to Architectural Design	2
ARCH V21	Architectural Graphics I	3
ARCH V23	Introduction to AutoCAD	2
Select General Education courses		8
	Units/Hours	**15**
Spring Semester		
ARCH V22	Architectural Graphics II	3
ARCH V31	Revit Practice I	3
Select General Education courses		9
	Units/Hours	**15**
Year 2		
Fall Semester		
ARCH V25	Digital Tools for Architecture	3
ARCH V40	Architectural Design I	3
Select General Education courses		9
	Units/Hours	**15**
Spring Semester		
ARCH V32	Revit Practice II	3
ARCH V41	Architectural Design II	3
Select a General Education course		3
Select Elective courses		6
	Units/Hours	**15**
	Total Units/Hours	**60**

Upon successful completion of this program, students will be able to:

- Students will recognize and critically analyze the elements and principles of architectural design and construction
- Students will develop critical understanding of the practice of architecture and its components.
- Students will have the ability to recognize and execute cognitive, cultural, physical, social and sustainable factors in planning construction and the execution of architectural designs.
- Students will display competency with graphic communication of ideas.