ARCHITECTURAL SCIENCE, BACHELOR OF SCIENCE (518)

Program Coordinator
Shahnaz Aly, shahnaz.aly@wku.edu, (270) 745-5849

Architectural Science is a bridge between design theory and construction practice. Architectural Technologists perform a variety of important functions in many areas of the architectural and building construction fields and are widely recognized by professionals in the construction industry. Graduates find employment as drafters, designers, construction planners, estimators, inspectors, technical sales representatives, and many other exciting areas.

Career Opportunities

Graduates obtain employment in a wide variety of organizations: architectural firms, engineering firms, interior design firms, contractors, design-build construction firms, surveying firms, government agencies, construction product manufacturers, construction material suppliers, inspection and testing firms, specialty consultants, and computer applications consultants.

Program Description

The program in Architectural Science is designed to provide graduates with a practical architectural education combining an understanding of the philosophy of building design with an applied technical knowledge of construction systems and materials. Graduates are prepared with the knowledge and skills to assist in developing drawings and related documentation, constructing architectural models, developing architectural renderings, creating digital images and visualizations, preparing cost estimates and construction planning documentation, and making professional presentations.

Program instruction includes architectural drafting, construction methods and materials, design principles, environmental systems, building systems, building codes, structural principles, project management, sustainability, and professional presentations.

Program Requirements (78 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: https://www.wku.edu/colonnade/colonnaderequirements.php. (https://www.wku.edu/colonnade/colonnaderequirements.php)

Code	Title	Hours
Program Courses		
AS 151	Architectural Graphics	3
AS 163	Architectural Drafting	3
AS 251	3D Modeling and Imaging	3
CM 261	Construction Methods and Materials	3
CM 262	Construction Laboratory	1
AS 263	Architecture Documentation I	3
AS 273	Architectural Detailing	3
CM 282	Building Structures	3
AS 305	Building Codes	3
SEAS 325	Survey of Building Systems	3
AS 351	Building Information Modeling	3
AS 373	Architecture Documentation II	3
AS 369	Architectural Design Studio I	4
MFGE 390	Project Management	3
SEAS 398	Internship I	1
MFGE 430	Technology Management / Supervision / Team Building	3
AS 469	Architectural Design Studio II	4
AS 488	Comprehensive Design	3
AS 490	Senior Research for Architectural Sciences	3
CE 303	Construction Management	3
ENG 306	Business Writing	3
or ENG 307	Technical Writing	
MGT 200	Legal Environment of Business	3
or MGT 210	Organization and Management	
Select 14 hours of advisor-approved architectural science electives		14
IDFM 120	Visual Design I	
IDFM 201	Interior Design Studio I	
IDFM 221	Visual Design II	
IDFM 243	Materials and Finishes for Interior Design	
IDFM 300	Interior Design Studio II	
IDFM 301	Interior Design Studio III	
IDFM 304	Lighting and Environmental Controls	
IDFM 344	Digital Rendering for Interiors	
IDFM 401	Interior Design Studio V	
IDFM 421	Portfolio Design	
IDFM 427	Visual Design III	
CE 160	Principles of Surveying	
CE 161	Principles of Surveying Lab	
CE 316	Equipment & Methods	
CM 363	Construction Estimating and Bidding	
CM 462	Construction Scheduling	
Total Hours		**78**

A minor or second major is not required.

Additional Courses Required for the Major

Code	Title	Hours
MATH 117	Trigonometry	3
ECON 150	Introduction to Economics	3
or ECO 150C	Introduction to Economics	
or ECON 202	Principles of Economics (Micro)	
or ECO 202C	Principles of Economics (Micro)	

or ECON 203	Principles of Economics (Macro)	
or ECO 203C	Principles of Economics (Macro)	
or ECON 375	Moral Issues of Capitalism	
or ECON 390	Economics, Law, and Public Choice	
AS 180	Introduction to Architecture	3
Total Hours		**9**

Finish in Four Plan

First Year

Fall	Hours	Spring	Hours
AS 151	3	AS 163	3
AS 180	3	CM 261	3
MATH 117	3	CM 262	1
ENG 100	3	ENG 200	3
HIST 101 or HIST 102	3	Colonnade - Arts & Humanities	3
		Colonnade - Natural & Physical Science w/out lab	3
	15		**16**

Second Year

Fall	Hours	Spring	Hours
AS 251	3	AS 273	3
AS 263	3	AS 351	3
AS 305	3	COMM 145	3
ECON 202	3	SEAS 325	3
CM 282	3	AS 369	4
	15		**16**

Third Year

Fall	Hours	Spring	Hours
AS 373	3	MFGE 390	3
CE 303	3	Architectural Science Elective	3
Architectural Science Elective	3	ENG 300	3
Colonnade - Social & Cultural	3	General Elective	3
SEAS 398	1	Colonnade - Local to Global	3
	13		**15**

Fourth Year

Fall	Hours	Spring	Hours
AS 469	4	Colonnade - Natural & Physical Science w/ Lab	3
AS 488	3	AS 490	3
General Elective	3	Colonnade - Connections	3
MFGE 430	3	Management Elective	3
Architectural Science Elective	2	ENG 306 or ENG 307	3
	15		**15**

Total Hours 120