

ARCHITECTURE, Associate in Applied Science Degree - 4476

Engineering, Trades & Computer Technologies Department

CIP Code: 15.0101

The Architecture AAS degree prepares students for both employment in an architecture, engineering, or construction (AEC) professional's office and to transfer to a four-year institution to obtain a Bachelor's degree. This program introduces students to the art and science of architecture and explores aesthetics, architectural design, the creation of presentation drawings, and the development of architectural working drawings utilizing Computer Aided Drafting (CAD) and Building Information Modeling (BIM). Technical issues relating to materials, building codes, building systems, as well as an introduction to sustainable architecture, are covered.

Students should be aware that the minimum educational requirement to become a Registered Architect in the Commonwealth of Pennsylvania is a Bachelor of Architecture degree. Students wishing to pursue this licensure in the Commonwealth of Pennsylvania must continue their education, upon graduating from HACC's Architecture AAS program, and obtain a professional degree in Architecture from an accredited program to meet Pennsylvania's requirement. Since the requirements of senior institutions vary widely, it is essential that students choose their intended transfer institution as soon as possible and carefully follow the program requirements outlined in that institution's catalog. In addition to the educational requirement to become a Registered Architect, there is also an experience or internship requirement, which occurs primarily in an architectural office. Many architecture schools are now integrating internships into their curricula. HACC's Architecture AAS program provides transfer students with the skills they need to qualify for internships in architectural firms. This program may be completed through combination of asynchronous and synchronous remote instruction.

Career Opportunities

Graduates secure positions as CAD/BIM operators preparing construction documents for a wide variety of building types. Employment opportunities exist in architecture, design-build, construction and interior design firms, including positions such as drafters, modelers, code researchers, detailers, construction supervisors, facility planners, and interior designers.

Competency Profile

This curriculum is designed to prepare students to:

- Interpret the various contract documents and governing regulations used in construction projects
- Utilize various software programs to prepare presentation and preliminary construction drawings
- Recognize construction methods, materials and systems used in residential and commercial construction
- Design and present solutions to architectural design problems

PROGRAM REQUIREMENTS (TOTAL CREDITS = 60)

General Education		Major Requirements		Other Required Courses	
ENGL 101 English Composition I	3	ARCH 101 Architectural Design	3	Program Electives*	9
COMM 101 Effective Speaking (or)	3	ARCH 102 Architectural Design II	3		
COMM 203 Interpersonal Communication	(3)	ARCH 110 Construction Print Reading	3		
Humanities & Arts Core Elective - <i>HUM 115, 117 or 118</i>	3	ARCH 112 Architectural Working Drawings I	3		
Mathematics or Science Core Elective - <i>MATH 103 or 121</i>	3 or 4	ARCH 130 Construction Materials & Methods	3		
Social & Behavioral Science Core Elective	3	ARCH 135 Codes, Specifications and Safety	3		
First-Year Seminar Elective - <i>ARCH 111</i>	3	ARCH 211 Architectural Graphics II	3		
Wellness Elective	1	ARCH 212 Architectural Working Drawings II	4		
	19	ARCH 233 Renovation/Detailing	4		
		ARCH 253 Sustainable Architecture	3		
			32		

*Students are to select from the following courses: ARCH 201, 202, 214, 251, 261, 291, 295; BCT 211; PHYS 201.

RECOMMENDED SEQUENCE FOR FULL-TIME STUDENTS

Part-time students can complete this program by taking one or more courses each semester.

Fall Semester I		Spring Semester I		Fall Semester II		Spring Semester II	
ARCH 101	3	ARCH 102	3	ARCH 212	4	ARCH 233	4
ARCH 110	3	ARCH 112	3	ARCH 253	3	COMM 101 or 203	3
ARCH 111	3	ARCH 130	3	HUM 115, 117 or 118	3	Program Electives*	6
ARCH 135	3	MATH 103 or 121	3 or 4	Program Elective*	3	Wellness Elective	1
ENGL 101	3			Social/Behavioral Science Core Elective	3		