Architectural Technology
Associate in Applied Science

Academic Plan Code – 1513037019

Description:
The Architectural Technology program provides instruction in the concepts and skills required for careers in architectural and related professions involved in designing for the built environment. At the core of the curriculum are a series of architectural studios where students prepare construction documents. The series begins with a study of residential construction and culminates with commercial. Emphasis is placed on quality graphic communication, the development of design skills and a thorough understanding of a variety of construction types. Complementing the studio sequence are courses designed to provide instruction in building materials, structures, mechanical/electrical systems, professional practices, and architectural theory and history. Electives in the program allow students to customize their education to fit their interests. Given the wide range of topics covered in the curriculum, graduates are prepared to find employment in architectural and related professional offices including positions in construction estimating, civil engineering, structural engineering, mechanical/electrical engineering, construction management, computer-aided drafting, building code enforcement, specification writing, urban planning, historic preservation, contracting, sub-contracting, and building material sales and marketing.

Course Number	Course Description	Credit Hours
General Education Core		
ENG 101	Writing I	3
	Heritage/Humanities/Foreign Language Course	3
	Natural Science Course	3
MAT 116 MAT 150 MA 109	Technical Mathematics OR College Algebra OR College Algebra	3 (3) (3)
	Social Interaction Course	3
	Computer Literacy: Computer Literacy must be demonstrated either by competency exam or by completing a computer literacy course per KCTCS.	0-3
	Subtotal Credit Hours	**15-18**
Technical Core or Support Courses		
ACH 100	Construction Documents I	3
ACH 110	Survey of the Architectural Profession	1
ACH 120	Theory and History of Architecture I	3
ACH 150	Construction Documents II	3
ACH 160	Building Materials and Construction I	3
ACH 161	Building Materials and Construction II	3
ACH 170	Theory and History of Architecture II	3
ACH 175	Introduction to Systems	3
ACH 195	Computer Aided Drafting I	3
ACH 200	Construction Documents III	3
ACH 225	Structures	3
ACH 250	Construction Documents IV	3
ACH 260	Office Practice	3
ACH 275	Mechanical and Electrical Systems	3
	Technical Elective Courses	10
	Subtotal Credit Hours	**50**
	Total Credit Hours	**65-68**
Technical Electives for Architectural Technology		
ACH 180	Selected Topics in Architecture Technology: (Topic)	1-3
ACH 194	Visual Composition	3
ACH 295	Computer Aided Drafting II	3
ACH 290	Building Codes I	3
ACH 291	Construction Management	3
ACH 292	Building Codes II	3
ACH 293	Presentation Techniques	3
ACH 294	Specification Writing	3
ACH 297	Estimating Techniques	3
ACH 298	Computer 3D Modeling	3
COE 199	Cooperative Education: Arch Tech	1-3

(Courses are listed by category and not necessarily in the order to be taken)