PROGRAMS

ARCHITECTURAL TECHNOLOGY

These curriculums are designed to prepare individuals to apply technical knowledge and skills to the fields of architecture, construction, construction management, and other associated professions.

Course work includes instruction in sustainable building and design, print reading, building codes, estimating, construction materials and methods, and other topics related to design and construction occupations.

Graduates of this pathway should qualify for entry-level jobs in architectural, engineering, construction and trades professions as well as positions in industry and government.

Building Construction Technology: This program is designed to prepare individuals to apply technical knowledge and skills to residential and commercial building construction and remodeling. Includes instruction in construction equipment and safety; site preparation and layout; construction estimating; print reading; building codes; framing; masonry; heating, ventilation, and air conditioning; electrical and mechanical systems; interior and exterior finishing; and plumbing.

Associate in Applied Science Degree Program

		Course Hours Per Week		Semester Hours
First Semester (Fall)		Class	Lab	Credit
ACA-115	Success & Study Skills	0	2	1
ARC-111	Intro to Arch Technology	1	6	3
ARC-112	Constr Matls & Methods	3	2	4
BPR-130	Print Reading-Construction	3	0	3
EGR-110 or	Intro to Engineering Tech or			
EGR-150	Intro to Engineering	1	2	2
ENG-111	Writing and Inquiry	3	0	3
CIS-111 or	Basic PC Literacy or			
EGR-125	Appl Software for Tech	1	2	2
	Credit Hours	**12**	**14**	**18**
Second Semester (Spring)				
ARC-114	Architectural CAD	1	3	2
CEG-111	Intro to Gis and Gnss	2	4	4
CST-241	Planning/Estimating I	2	2	3
ENG-112 or	Writing/Research in the Disc or			
ENG-114	Prof Research & Reporting	3	0	3
MAT***	MAT-121 or MAT-171	2-3	2	3-4
	Credit Hours	**10-11**	**11**	**15-16**

		Course Hours Per Week		Semester Hours
Third Semester (Summer)				
CST-221	Statics/Structures	3	3	4
PHY-131 or PHY-151	Physics-Mechanics or College Physics I	3	2	4
SRV-110	Surveying I	2	6	4
	Credit Hours	**8**	**11**	**12**
Fourth Semester (Fall)				
CMT-210	Construction Management Fund	3	0	3
CST-111	Construction I	3	3	4
CST-231	Soils & Site Work	3	2	4
SST-140	Green Bldg & Design Concepts	3	0	3
***	Humanities/Fine Arts Elective	3	0	3
	Credit Hours	**15**	**5**	**17**
Fifth Semester (Spring)				
CMT-212	Total Safety Performance	3	0	3
CST-112	Construction II	3	3	4
***	Social/Beh Sciences Elective	3	0	3
***	Technical Elective	1-3	3-6	4
	Credit Hours	**10-12**	**6-9**	**14**
Total Required Minimum Semester Hours Credit				76

Technical Electives: Take 4 credits		Class	Lab	Credit
ARC-230	Environmental Systems	3	3	4
ELC-113	Residential Wiring	2	6	4
ELC-114	Commercial Wiring	2	6	4
ELC-115	Industrial Wiring	2	6	4
ELC-117	Motors and Controls	2	6	4
PLU-115				
SRV-240	Topo/Site Surveying	2	6	4
WLD-111	Oxy-Fuel Welding	1	3	2
WLD-112	Basic Welding Processes	1	3	2

View Catalog Archives

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