

Arkansas DCTE Programs of Study
2021 - 2022

Updated July 20, 2021

OCCUPATIONAL AREA	CLUSTER	PATHWAY	PROGRAM OF STUDY (POS)	NON-TRAD	Non-Trad % of Workers	
Agriculture Science and Technology	Agriculture, Food, and Natural Resources	Agribusiness Systems	Agribusiness Systems	Yes - Female	24.50%	
		Agricultural Power, Structural, and Technical Systems	Agricultural Power, Structural, and Technical Systems	Yes - Female	1.40%	
		Animal Systems	Animal Systems	Yes - Female	24.50%	
		Food Products and Processing	Food Products and Processing Systems	No		
		Natural Resources/Environmental Service Systems	Natural Resources/Environmental Service Systems	No		
		Plant Systems	Plant Systems	No		
Business and Marketing Technology	Business Management and Administration	Administrative Support	Medical Office Administration	No		
		General Management	Office Administration	No		
	Finance	Accounting	Business Management	No		
		Banking Services	Accounting	No		
		Business Finance	Banking	Yes - Male	15.30%	
	Hospitality and Tourism	Travel and Tourism	Business Finance	No		
		Marketing Management	Hospitality and Tourism	No		
	Marketing	Merchandising	Marketing Business Enterprise	No		
		Marketing Research	Retail Management	No		
	Transportation, Distribution and Logistics	Logistics Planning and Management Services	Digital Marketing	No		
Family and Consumer Sciences	Education and Training	Teaching and Training	Supply Chain and Logistics	Yes - Female	17.40%	
	Arts, Audio/Video Technology and Communications	Visual Arts	Pre-Educator	Yes - Male	10.40%	
	Hospitality and Tourism	Restaurant and Food and Beverage Services	Clothing and Housing Design	No		
		Consumer Services	Culinary Arts & Food Production, Management, & Services	Yes - Female	21.90%	
	Human Services	Family and Community Services	Consumer Services	No		
		Personal Care Services	Human and Social Services	No		
Science, Technology, Engineering, and Mathematics (STEM)	Architecture and Construction	Design and Pre-Construction	Architectural/CAD	Yes - Female	23.00%	
		Health Sciences	Biotechnology Research and Development	Engineering/CAD	Yes - Female	23.00%
	Information Technology	Network Systems	Biomedical Sciences	Biomedical Sciences	No	
			Programming and Software Development	Computer Science: Networking	Computer Science: Networking	Yes - Female
		Computer Science: Artificial Intelligence & Machine Learning		Computer Science: Artificial Intelligence & Machine Learning	Yes - Female	18.70%
		Computer Science: Computer Engineering		Computer Science: Computer Engineering	Yes - Female	22.10%
		Computer Science: Cybersecurity		Computer Science: Cybersecurity	Yes - Female	9.40%
		Computer Science: Data Science		Computer Science: Data Science	Yes - Female	18.70%
		Computer Science: Game Development & Design		Computer Science: Game Development & Design	Yes - Female	18.70%
		Computer Science: Mobile Applications Development		Computer Science: Mobile Applications Development	Yes - Female	20.30%
		Computer Science: Programming		Computer Science: Programming	Yes - Female	18.70%
		Computer Science: Robotics	Computer Science: Robotics	Yes - Female	18.70%	
	ASU UPSkill: Coding with Swift	ASU UPSkill: Coding with Swift	Yes - Female	18.70%		
	Web and Digital Communications	Website Development	Website Development	No		
		Engineering and Technology	Automation and Robotics Technology	Automation and Robotics Technology	Yes - Female	11.70%
	STEM (Science, Technology, Engineering, & Mathematics)		Pre-Engineering	Pre-Engineering	Yes - Female	13.90%
		Unmanned Aerial Systems	Unmanned Aerial Systems	Yes - Female	19.80%	

OCCUPATIONAL AREA	CLUSTER	PATHWAY	PROGRAM OF STUDY (POS)	NON-TRAD	Non-Trad % of Workers
Trade and Industry	Architecture and Construction	Construction	Construction Technology	Yes - Female	10.00%
			Heating, Ventilation, Air Conditioning, and Refrigeration (HVACR)	Yes - Female	1.50%
	Arts, Audio/Video Technology and Communications	A/V Technology and Film	A/V Tech and Film	No	
			Journalism & Broadcasting	Yes - Female	11.80%
			Visual Arts	Yes - Female	16.70%
	Government and Public Administration	National Security	Advertising and Graphic Design	No	
			Commercial Photography	No	
			Air Force JROTC	No	
			Army JROTC	No	
	Health Science	Therapeutic Services	Marines JROTC	No	
			Navy JROTC	No	
			Medical Professions	No	
	Law, Public Safety, Corrections and Security	Law Enforcement Services	Emergency Preparedness	No	
			Sports Medicine	No	
	Manufacturing	Maintenance, Installation, and Repair	Criminal Justice	Yes - Female	9.60%
			Industrial Equipment Technologies	Yes - Female	19.80%
		Manufacturing Production	Major Appliance Technology	Yes - Female	5.90%
			Advanced Manufacturing	Yes - Female	19.80%
			Electronics	Yes - Female	0.00%
			Precision Machining Technology	Yes - Female	5.60%
			Welding	Yes - Female	5.20%
			Automotive Collision Repair Technology	Yes - Female	4.80%
			Automotive Service Technology	Yes - Female	1.90%
Aviation Technology			Yes - Female	17.40%	
Transportation, Distribution, and Logistics	Facility and Mobile Equipment Maintenance and Repair	Medium/Heavy Truck Technology	Yes - Female	1.40%	
		Power Equipment Technology	Yes - Female	0.00%	
Jobs for Arkansas Graduates (JAG)	JAG	JAG	JAG		
Middle Level/Foundation/Career	Middle Level/Foundation	Middle Level/Foundation	Agri Middle Level Courses		
			BMT Middle Level Courses		
			College/Career Middle Level Courses		
			FACS Middle Level Courses		
			STEM Middle Level Courses		
			STEM-PLTW Middle Level Courses		
			Trade Middle Level Courses		
	College/Career Support	College/Career Support	College/Career Support Courses		