

Cluster	Pathway/Program of Study	DOE Code	CR	Intro/Exploratory Does not count toward Concentrator Status	DOE Code	CR	Concentrator Course A Choose a concentration area if multiple courses are listed	DOE Code	CR	Concentrator Course B Choose a concentration area if multiple courses are listed	DOE Code	CR	Related / Advanced Does not count toward Concentrator Status
Agriculture	Agriculture Power, Structure and Technology Systems	5056	2	Introduction to Agriculture, Food and Natural Resources	5088	6	Agriculture Power, Structure and Technology	5002	2	Agribusiness Management			
Agriculture	Animal Systems	5056	2	Introduction to Agriculture, Food and Natural Resources	5070	2	Advanced Life Science: Animals (L)	5002	2	Agribusiness Management			
		5008	6	Animal Sciences									
Agriculture	Food Products and Processing Systems	5056	2	Introduction to Agriculture, Food and Natural Resources	5072	2	Advanced Life Science: Foods(Chemistry of Foods) (L)	5002	2	Agribusiness Management			
		5102	2	Food Science									
Agriculture	Horticulture/ Landscape	5056	2	Introduction to Agriculture, Food and Natural Resources	5132	6	Horticultural Science	5136	6	Landscape Management I	5074	2	Advanced Life Science: Plants and Soils (L)
Agriculture	Landscape				5136	6	Landscape Management I	5137	6	Landscape Management II			
Agriculture	Natural Resource Systems	5056	2	Introduction to Agriculture, Food and Natural Resources	5180	2	Natural Resources	5229	2	Sustainable Energy Alternatives*			
		5170	2	Plant and Soil Science									
Agriculture	Plant Systems	5056	2	Introduction to Agriculture, Food and Natural Resources	5074	2	Advanced Life Science: Plants and Soils (L)	5002	2	Agribusiness Management			
		5170	2	Plant and Soil Science									
Architecture and Construction	Architectural Drafting and Design	4802	2	Introduction to Engr Design	5640	6	Architectural Drafting & Design I	5652	6	Architectural Drafting & Design II	5644	2	Principles of Engineering
		4794	2	Introduction to Design Processes							5650	2	Civil Engineering & Architecture
Architecture and Construction	Housing and Interior Design	5350	2	Introduction to Housing and Interior Design	5352	6	Housing and Interior Design Careers I	5460	6	Housing and Interior Design Careers II			
Architecture and Construction	Building and Facilities Mgmt	4518	2	Introduction to Business	5592	6	Building & Facilities Management I	5595	6	Building & Facilities Management II	4562	2	Principles of Business Management
Architecture and Construction	Building and Facilities Maint	4792	2	Introduction to Construction	5593	6	Building & Facilities Maintenance I	5594	6	Building & Facilities Maintenance II			
Architecture and Construction	Comm and Residential Facilities Mgmt	4518	2	Introduction to Business	5472	6	Residential Property Management Careers I	5858	6	Residential Property Management Careers II	4562	2	Principles of Business Management
Architecture and Construction	Construction	4792	2	Introduction to Construction	5580	6	Construction Trades I	5578	6	Construction Trades II			
Architecture and Construction	Electrical	4792	2	Introduction to Construction	4830	6	Construction Trades: Electrical I	4832	6	Construction Trades: Electrical II			
Architecture and Construction	Energy	5614	2	Introduction to Energy Industry	5616	6	Energy Industry I	5618	6	Energy Industry II			
Architecture and Construction	Heavy Equipment	4792	2	Introduction to Construction	5497	6	Construction Trades: Heavy Equipment I	5495	6	Construction Trades: Heavy Equipment II			
Architecture and Construction	HVAC	4792	2	Introduction to Construction	5496	6	Construction Technology HVAC I	5498	6	Construction Technology HVAC II	5580	6	Construction Trades I
Architecture and Construction	Mechanical	4802	2	Introduction to Engr Design	4836	6	Mechanical Drafting and Design I	4838	6	Mechanical Drafting and Design II	5644	2	Principles of Engineering
		4794	2	Introduction to Design Processes									
Arts, AV Tech and Comm	Commercial Photography	4790	2	Introduction to Communication	5570	6	Commercial Photography	5550	6	Graphic Design and Layout			
		4834	2	Design Fundamentals									
Arts, AV Tech and Comm	Fashion Textiles and Design	5380	2	Introduction to Fashion and Textiles	5420	6	Fashion and Textile Careers I	5421	6	Fashion and Textile Careers II	4834	2	Design Fundamentals

Health Sciences	Health Career / Med Forensics	5272	2	Introduction to Health Science Careers	5282	6	Health Science Education I	5288	6	Health Science Education II: Medical Forensics			
Health Sciences	Health Career / Athletic Training	5272	2	Introduction to Health Science Careers	5282	6	Health Science Education I	5290	6	Health Science Education II: Athletic Training			
Health Sciences	Pharmacy	5272	2	Introduction to Health Science Careers	5282	6	Health Science Education I	5214	6	Health Science II: Pharmacy			
Health Sciences	Physical Therapy	5272	2	Introduction to Health Science Careers	5282	6	Health Science Education I	5215	6	Health Science II: Physical Therapy			
Health Sciences	Nursing	5272	2	Introduction to Health Science Careers	5282	6	Health Science Education I	5284	6	Health Science Education II: Nursing			
Health Sciences	Vet	5272	2	Introduction to Health Science Careers	5211	6	Veterinary Careers I	5212	6	Veterinary Careers II	5008	6	Animal Sciences
		5056	2	Introduction to Agriculture, Food and Natural Resources							5070	2	Advanced Life Science: Animals (L)
Hospitality and Human Services	Cosmo				5802	6	Cosmetology I	5806	6	Cosmetology II			
Hospitality and Human Services	Culinary Arts	5438	2	Introduction to Culinary Arts and Hospitality	5440	6	Culinary Arts and Hospitality I	5346	6	Culinary Arts and Hospitality II: Culinary Arts	5340	2	Advanced Nutrition and Wellness
		5342	1	Nutrition and Wellness									
Hospitality and Human Services	Hospitality Mgmt	5438	2	Introduction to Culinary Arts and Hospitality	5440	6	Culinary Arts and Hospitality I	5458	6	Culinary Arts and Hospitality II: Hospitality Management	4562	2	Principles of Business Management
Hospitality and Human Services	Human and Social Services	5366	2	Human Development and Wellness	5336	6	Human and Social Services I	5462	6	Human and Social Services II			
STEM/Information Tech	Computer Science/Programming	4803	2	Introduction to Computer Science	4801	2	Computer Science I	5236	6	Computer Science II			
								5250	6	Computer Science III: Databases			
								5251	6	Computer Science III: Informatics			
								5249	6	Computer Science III: Software Development Capstone			
								5253	6	Computer Science III: Cybersecurity Capstone			

Information Tech	Networking	4803	2	Introduction to Computer Science	5234	6	Networking I	4588	6	Networking II: Infrastructure	5230	6	Information Technology Support
								6		Networking II: Servers			
								6		Networking II: Cybersecurity Capstone			
Information Tech	PC Support/IT Tech	4803	2	Introduction to Computer Science	5230	6	Information Technology Support	5234	6	Networking I	5231	6	IT Support Capstone
Manuf and Logistics	Advanced Manuf	4796	2	Introduction to Advanced Manufacturing and Logistics	5608	6	Advanced Manufacturing I	5606	6	Advanced Manufacturing II	4800	2	Computers in Design and Production
Manuf and Logistics	Electronics	4796	2	Introduction to Advanced Manufacturing and Logistics	5684	6	Electronics and Computer Technology I	5694	6	Electronics and Computer Technology II	5538	2	Digital Electronics
Manufacturing and Logistics	Industrial Technical Maint	4796	2	Introduction to Advanced Manufacturing and Logistics	5686	6	Industrial Technical Maintenance I	5688	6	Industrial Technical Maintenance II			
Manuf and Logistics	Robotics	4796	2	Introduction to Advanced Manufacturing and Logistics	5610	6	Industrial Automation & Robotics I	5612	6	Industrial Automation & Robotics II	5538	2	Digital Electronics
Manuf and Logistics	Logistics and Supply Chain	4518	2	Introduction to Business	5602	6	Warehouse Operations and Materials Handling	5601	6	Supply Chain Management and Logistics	4562	2	Principles of Business Management
		4798	2	Introduction to Transportation									
Manuf and Logistics	Machine Tech	4796	2	Introduction to Advanced Manufacturing and Logistics	5782	6	Precision Machining I	5784	6	Precision Machining II	4800	2	Computers in Design and Production
											4836	6	Mechanical Drafting and Design I
Manuf and Logistics	Welding	4784	2	Introduction to Manufacturing	5776	6	Welding Technology I	5778	6	Welding Technology II	4836	6	Mechanical Drafting and Design I
											4800	2	Computers in Design and Production
Public Safety	Crim Just				5822	6	Criminal Justice I	5824	6	Criminal Justice II Advanced			
Public Safety	EMT/Paramedic				5282	6	Health Science Education I	5210	6	Emergency Medical Services	5276	2	Anatomy & Physiology
					5820	6	Fire and Rescue I	5210	6	Emergency Medical Services	5274	2	Medical Terminology
Public Safety	Fire and Rescue				5820	6	Fire and Rescue I	5826	6	Fire and Rescue II	5210	6	Emergency Medical Services
STEM	Engineering	4802	2	Introduction to Engineering Design	5644	2	Principles of Engineering	5650	2	Civil Engineering and Architecture	5698	2	Engineering Design and Development
								5518	2	Aerospace Engineering			
								5534	2	Computer Integrated Manufacturing			
								5538	2	Digital Electronics			
STEM	Engineering	4794	2	Introduction to Design Processes	5644	2	Principles of Engineering	4818	2	Environmental Sustainability	5180	2	Natural Resources
		5056	2	Introduction to Agriculture, Food and Natural Resources							5229	2	Sustainable Energy Alternatives
		4802	2	Introduction to Engineering Design									
Transportation	Auto Collision	4798	2	Introduction to Transportation	5514	6	Automotive Collision Repair I	5544	6	Automotive Collision Repair II			
Transportation	Auto Tech	4798	2	Introduction to Transportation	5510	6	Automotive Services Technology I	5546	6	Automotive Services Technology II			
Transportation	Aviation flight and Operations	4798	2	Introduction to Transportation	5524	6	Aviation Flight	5528	6	Aviation Operations	5518	2	Aerospace Engineering

Transportation	Aviation Maint	4798	2	Introduction to Transportation	5520	6	Aviation Maintenance I	5522	6	Aviation Maintenance II	5518	2	Aerospace Engineering
Transportation	Diesel Services Tech	4798	2	Introduction to Transportation	5620	6	Diesel Service Technology I	5624	6	Diesel Service Technology II			
Transportation	Recreation and Mobile Equip	4798	2	Introduction to Transportation	5842	6	Recreational & Mobile Equipment I	5844	6	Recreational & Mobile Equipment II			
Transportation	Tractor Trailer Operations	4798	2	Introduction to Transportation	5620	6	Diesel Service Technology I	5622	3	Tractor/Trailer Operation			
					5510	6	Automotive Services Technology I						
					5497	6	Construction Trades: Heavy Equipment I						

