

JCSS Career Clusters and Pathways

Agriculture Food & Natural Resources	Architecture and Construction	Business, Management, & Administration	Health Science	Information Technology	Transportation, Distribution, and Logistics
Basic Agriculture Science – (Pre-Requisite Course)	Architectural Drawing and Design	Entrepreneurship	Therapeutic Services / Allied Health and Medicine	Computer Science	General Automotive Technology
Agriculture Mechanics, (CTAE+ Math)	Intro to Drafting and Design	Intro to Business and Technology	Intro to Healthcare Science	Intro to Software Technology	Automotive Technologies 1
Agriculture Mechanics I	Architectural Drawing and Design I	Legal Environment of Business	Essentials of Healthcare / Honors^	Computer Science Principles (or AP)^	Automotive Technologies 2
Agriculture Mechanics II	Architectural Drawing and Design II	Entrepreneurship	Allied Health & Medicine (Junior, Senior)	AP Computer Science A	Automotive Technologies 3
Ag Mechanics and Metal Fabrication	Carpentry		Therapeutic Services / Emergency Medical Responder	Game Design	Advanced Automotive Technology
Ag Mechanics I	Industry Fundamentals and Occ. Safety	Education and Training	Intro to Healthcare Science	Intro to Software Technology	Automotive Technologies 4
Metal Fabrication	Introduction to Construction	Teaching as a Profession	Essentials of Healthcare / Honors^	Computer Science Principles (or AP)^	Automotive Technologies 5
Ag Mechanics and Electrical Systems, (CTAE+ Sci.)	Carpentry I	Examining the Teacher Profession	Emergency Medical Responder (Just be 16)	Game Design: Animation and Simulation^	Automotive Technologies 6
Ag Mechanics I	Electrical	Contemporary Issues in Education	Diagnostics / Phlebotomy		Supply Chain, Distribution and Logistics
Ag Electricity and Electrical Controls	Industry Fundamentals and Occ. Safety	Teaching as a Profession Practicum	Intro to Healthcare Science	Law, Public Safety, Corrections, and Security	Logistics Fundamentals
Companion Animal Systems	Introduction to Construction		Essentials of Healthcare / Honors^	Law Enforcement Services/ Forensic Science	Logistics Operations
Animal Science and Biotechnology^	Electrical I	Government and Public Administration	Diagnostics / Phlebotomy (Junior, Senior)	Intro to Law, Public Safety, Corr. And Sec	Materials Management
Small Animal Care	Heavy Equipment	Public Management and Administration***	Therapeutic Services / Pharmacy	Criminal Justice Essentials	
Veterinary Science	Industry Fundamentals and Occ. Safety	Intro to Gov and Public Administration	Intro to Healthcare Science	Forensic Science and Criminal Investigations	
Animal Science and Biotechnology^	Intro to Heavy Equipment (11th and 12th)	Gov PA: State and Federal Issues	Essentials of Healthcare / Honors^		
Veterinary Science	Heavy Equipment Operations (11th and 12th)	Gov PA: Local and State Issues	Pharmacy Operations & Fundamentals (Senior)	Manufacturing	
Plant and Floral Design		DOE Link with Embedded credits		Mechatronics/ Advanced Tech Engineering, (CTAE+ Sci.)	
General Horticulture and Plant Science (Spring)^	Arts, A/V Technology, & Communications		Biotechnology Research and Development	Intro to Mechatronics	
Floral Design and Management	Film Production, (CTAE+ Eng.)	JROTC Army**	Intro to Healthcare	AC Theory, Electric Motors and Hydraulic Sys.	
Plant and Landscape	Audio and Video Technology and Film	JROTC Army Let I Alpha - Fall Sem.	Essentials of Biotechnology ^	Semiconductors, Mech Sys, and Pump and Piping	
Nursery Landcape (Fall)	Introduction to Film Production	JROTC Army Let I Bravo - Spring Sem.	Applications of Biotechnology^		
General Horticulture and Plant Science (Spring)^	Film Production Applications	JROTC Army Let II Alphah - Fall Sem.		Science, Technology, Engineering, Mathematics	
Horticulture/Mechanical System	4th course Available	JROTC Army Let II Bravo - Spring Sem.	Therapeutic Services / Patient Care (Lanier Tech)	Engineering Drafting and Design, (CTAE+ Math)	
General Horticulture and Plant Science (Spring)^	Broadcast Video Production Application	JROTC Army Let III Alpha - Fall Sem.		Introduction to Drafting and Design	
Agricultural Mechanics I		JROTC Army Let III Bravo - Spring Sem.	Human Services	Survey of Engineering Graphics	
Horticulture and Animal Systems	Graphic Communication, (CTAE+ Eng.)	JROTC Army Let IV Alpha - Fall Sem.	Food Science	3-D modeling and Analysis	
General Horticulture and Plant Science (Spring)^	Intro to Graphic Design	JROTC Army Let IV Bravo - Spring Sem.	Food, Nutrition and Wellneess	Engineering and Technology - (STEM EJHS)	
Animal Science and Biotechnology^	Graphic Design Production		Food For Life^	Foundations of Engineering & Technology	
	Advanced Grapic Output Processes		Food Science^	Engineering Concepts	
Welding (Lanier Tech)				Engineering Applications	
^Board of Regents approved fourth science					
**Successful completion of three units of JROTC meets the state requirement for Health/Personal Fitness					
same time for a total of 6 credits upon successful completion of the pathway					