

	Food Products & Processing Systems Pathway	Plant Systems Pathway	Animal Systems Pathway	Power, Structural & Technical Systems Pathway	Natural Resources Systems Pathway	Environmental Service Systems Pathway	Agribusiness Systems Pathway
Foundational CTE Courses	Career Exploration (22151) Foundations of Technology (10004 [^]) Employability (22152 [^]) Leadership & Service (22101 [^]) Entrepreneurship (12053 [^]) <i>*.5 credits of Foundational CTE courses can be counted toward students' 2-credit concentrator status</i>						
Cluster Courses	Leadership & Personal Development (18203) MS Introduction to AFNR (18000) Introduction to AFNR (18001) CASE Introduction to AFNR (18005)						
Pathway Courses	Ag Processing Technology (18302) Food Science (18305) Agriculture Biotechnology (18308) Agriscience (18310 [^])	Fundamental Plant Science (18051) Horticulture (18052) Landscape, Design & Maintenance (18054) Advanced Plant Science (18057) Greenhouse Management (18058) Floriculture (18059) Agriculture Biotechnology (18308) Agriscience (18310 [^])	Fundamental Animal Science (18101 [^]) Advanced Animal Science (18107) Companion Animals (18102) Agriculture Biotechnology (18308) Agriscience (18310 [^])	Fundamental Ag Mechanics (18401) Ag Power Technology (18402) Fundamental Ag Structures Technology (18403) Ag Metal Fabrication (18404) Advanced Ag Structures Technology (18407)	Natural Resources (18504) Wildlife & Fisheries (18501 [^])	Environmental Science (03003 [^]) Natural Resources (18504) Agriculture Biotechnology (18308)	Ag Business Sales & Marketing (18201) Agribusiness Entrepreneurship (18202 [^]) Agriculture Communications (18205)

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Pathway Courses (cont'd)	CASE Courses	CASE Courses	CASE Courses	CASE Courses	CASE Courses	CASE Courses	
	Animal & Plant Biotechnology (18311) Food Science & Safety (18312)	Principles of Agricultural Science - Plant (18056) Animal & Plant Biotechnology (18311)	Principles of Agricultural Science - Animal (18106) Animal & Plant Biotechnology (18311)	Agricultural Power & Technology (18405)	Natural Resources & Ecology (18505)	Animal & Plant Biotechnology (18311)	
Dual Credit Courses	Visit www.sdmylife.com for a full list of dual credit courses in the Agriculture, Food & Natural Resources Career Cluster.						
Academic Courses	Biology (03051 [^]) Biology - Advanced Studies (03052) AP Biology (03056 [^]) Chemistry (03101 [^]) Organic Chemistry (03103) AP Chemistry (03106 [^]) AP Environmental Science (03207) Physics (03151 [^]) Geometry (02072 [^]) <i>*.5 credits of relevant academic coursework can be counted toward students' 2-credit concentrator status</i>						
Capstone Courses	Entrepreneurship Experience (80026) Senior Experience (80019 [^]) Service Learning (22104) Youth Internships (80018 [^]) <i>*Up to 1 credit of capstone coursework can be counted toward students' 2-credit concentrator status</i>						