

State Approved Courses for Agriculture, Food & Natural Resources Programs School Year 2015-16

	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 (80023) Computer Applications (10004^*) Employability Skills (22152^*) Foundations of CTE (22150^*) Service Learning (22104) <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) Entrepreneurship (12053^*) [Entrepreneurship (12053^*) does not count for FFA membership]						
Pathway Courses	Ag Processing Technology (18302) Food Science (18305) Agriculture Biotechnology (18308) Agriscience (18310^*)	Fundamental Plant Science (18051) Horticulture (18053) 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 (18108) 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 (18406)	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 Animal & Plant Biotechnology (18311)	CASE Courses Principles of Agricultural Science - Plant (18056) Animal & Plant Biotechnology (18311)	CASE Courses Principles of Agricultural Science - Animal (18106) Animal & Plant Biotechnology (18311)			CASE Courses 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>						