

### Foundational CTE Courses

Career Exploration (22151<sup>^</sup>)    Employability (22152<sup>^</sup>)    Workplace Technology Skills (10004<sup>^</sup>)    Leadership & Service (22101<sup>^</sup>)

### Cluster Courses

MS Agriculture, Food & Natural Resources (18000)    Introduction to AFNR (18001<sup>^</sup>)    CASE Introduction to AFNR (18006)  
Ag Leadership & Communications (18203<sup>^</sup>)    Independent Supervised Agriculture Experience – SAE (18248)

### Pathway Courses

Food Products & Processing Systems Pathway	Plant Systems	Animal Systems Pathway	Power, Structural & Technical Systems Pathway	Natural Resources Systems Pathway	Environmental Service Systems Pathway	Agribusiness Systems Pathway
Ag Processing Technology (18302)	Fundamental Plant Science (18051)	Fundamental Animal Science (18101 <sup>^</sup> )	Fundamental Ag Mechanical Technologies (18401 <sup>^</sup> )	Wildlife & Fisheries (18501 <sup>^</sup> )	Issues in Environmental Science (18508 <sup>^</sup> )	Agribusiness Sales & Marketing (18201)
Food Science (18305)	Fundamental Horticulture (18052)	Companion Animals (18102 <sup>^</sup> )	Ag Systems Technology (18402)	Natural Resources (18504 <sup>^</sup> )	Natural Resources (18504 <sup>^</sup> )	Agribusiness Management (18202 <sup>^</sup> )
Agriculture Biotechnology (18308)	Horticulture Operations (18053)	Advanced Animal Science (18107 <sup>^</sup> )	Fundamental Ag Structures Technology (18403)	Advanced Natural Resources (18502)	Advanced Natural Resources (18502)	
	Advanced Plant Science (18057)	Agriculture Biotechnology (18308)	Ag Metal Fabrications Technology (18404)		Agriculture Biotechnology (18308)	
	Agriculture Biotechnology (18308)		Advanced Ag Structures Technology (18407)			

### Curriculum for Agricultural Science Education (CASE) Courses

CASE Food Science & Safety (18312)	CASE Principles of Agricultural Science – Plant (18056) CASE Animal & Plant Biotechnology (18313)	CASE Principles of Agricultural Science – Animal (18106) CASE Animal & Plant Biotechnology (18313)	CASE Agricultural Power & Technology (18405) CASE Mechanical Systems in Agriculture (18449)	CASE Natural Resources & Ecology (18505)	CASE Environmental Science Issues (18507)	CASE Ag Research & Development (18204)
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### Dual Credit Courses

Visit <https://sdmylife.com/images/Approved-CTE-Dual-Credit.pdf> for a full list of dual credit courses in the Agriculture, Food & Natural Resources Career Cluster.

### Supporting Academic Courses

Biology (03051<sup>^</sup>)    Biology - Advanced Studies (03052)    AP Biology (03056<sup>^</sup>)    Chemistry (03101<sup>^</sup>)    Organic Chemistry (03103)  
AP Chemistry (03106<sup>^</sup>)    AP Environmental Science (03207)    Physics (03151<sup>^</sup>)    Geometry (02072<sup>^</sup>)

### Capstone CTE Courses

Entrepreneurship Experience (80026)    Senior Experience (80019<sup>^</sup>)    Youth Apprenticeship (80020)    Service Learning (22104)    Youth Internships (80018<sup>^</sup>)

<sup>^</sup>Denotes course is available on the SD Virtual School (<http://www.sdvs.k12.sd.us/>)