

# Agriculture, Food & Natural Resources Career Cluster

**Cluster #01**

<b>Middle School Course</b>	
016700 - Exploring Agriculture	
<b>High School Core Career Education Courses Taken in Sequential Order</b>	
<b>Traditional Foundation Courses</b>	<b>CASE Foundation Course</b>
016710 - Agricultural Science I (01.0000) 016760 - Agricultural Science II (01.0000)	016800 - Intro. to Agric., Food & Natural Resources (01.9999)

<b>Courses within the designated Career Pathway (In Non-Sequential Order)</b>					
<b>01.0101 Agricultural Business &amp; Management Systems</b>	<b>01.0201 Agricultural Mechanics &amp; Technology Systems</b>	<b>01.0601 Plant Science/ Horticulture Systems</b>	<b>01.0401 Food Science Systems</b>	<b>03.0101 Natural Resources Conservation Systems</b>	<b>01.0901 Animal Science Systems</b>
<i>Core Courses</i>	<i>Core Courses</i>	<i>Core Courses</i>	<i>Core Courses</i>	<i>Core Courses</i>	<i>Core Courses</i>
016730 - Agricultural Management & Economics 016741 - Agricultural Sales & Marketing 016742 - Agricultural Communications	016720 - Agricultural Structures 016751 - Agricultural Power I 016752 - Agricultural Power II 016753 - Agricultural Machinery 016770 - Agricultural Construction	016761 - Crop Science 016763 - Floriculture 016764 - Landscaping 016765 - Greenhouse Operation & Management 016766 - Nursery Operation & Management 016767 - Turf Management	016790 - Food Science & Technology	016759 - Conservation of Natural Resources 016762 - Forestry Management	016711 - Animal Science 016743 - Biotechnology 016744 - Equine Science 016745 - Veterinary Science
		<b>01.9999 CASE</b> 016802 - Princ. of Ag Science Plant 016803 - Animal & Plant Biotechnology		<b>01.9999 CASE</b> 016803 - Animal & Plant Biotechnology 016804 - Natural Resources & Environmental Science	<b>01.9999 CASE</b> 016801 - Princ. of Ag Science Animal 016803 - Animal & Plant Biotechnology
<i>Elective Courses</i>	<i>Elective Courses</i>	<i>Elective Courses</i>	<i>Elective Courses</i>	<i>Elective Courses</i>	<i>Elective Courses</i>
016780 - Supervised Agricultural Experience Co-op	016742 - Agricultural Communications 016780 - Supervised Agricultural Experience Co-op	016742 - Agricultural Communications 016780 - Supervised Agricultural Experience Co-op	016742 - Agricultural Communications 016780 - Supervised Agricultural Experience Co-op 096827 - Food Science (FCS)	016742 - Agricultural Communications 016780 - Supervised Agricultural Experience Co-op	016742 - Agricultural Communications 016780 - Supervised Agricultural Experience Co-op

All courses include classroom/laboratory instruction, Supervised Agricultural Experiences (SAE), and leadership training through the appropriate Career and Technical Student Organization (CTSO).

### IRC and/or Technical Skill Assessments by Career Pathway

MoASK Farm Management	MoASK Agricultural Mechanics	MoASK Agronomy Nursery /Landscaping Soils Floriculture Entomology Grasslands	MoASK Meats Poultry Dairy Foods	MoASK Forestry Soils Grasslands	MoASK Dairy Cattle Poultry Horse Livestock Meats MVMA-Animal Care Technology
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### Technical Skill Assessment (TSA ONLY)

NOCTI Agricultural Mechanics	NOCTI Agricultural Biotechnology Forest Products & Processing Horticulture Olericulture & Pomology	NOCTI Agricultural Biotechnology Forest Products & Processing Horticulture Olericulture & Pomology
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