

# Georgia Agriculture, Food & Natural Resources (AFNR) Cluster

For students interested in **Animal Science**, the following courses make up these pathways:

Pathway Name	Basic Agriculture Science (02.471) along with these two courses
Animal Production & Processing	Ag Animal Production (01.432) & Ag Meat & Dairy Product Processing (01.434)
Animal/Mechanical Systems	Agricultural Mechanics I (01.421) & Ag Animal Production (01.432)
Ag Leadership in Animal Production	Animal Science and Biotechnology (02.421) & Ag Management and Leadership (01.412)
Companion Animal Systems	Animal Science and Biotechnology (02.421) & Small Animal Care (02.423)
Veterinary Science	Animal Science and Biotechnology (02.421) & Veterinary Science (02.424)
Equine Science	Animal Science and Biotechnology (02.421) & Equine Science (02.422)
Food Animal Systems	Animal Science and Biotechnology (02.421) & Ag Animal Production (01.432)

For students interested in **Forestry / Natural Resources**, the following courses make up these pathways:

Pathway Name	Basic Agriculture Science (02.471) along with these two courses
Forest / Renewable Energy	Forest Science (03.451) & Intro to Renewable Energies (TBD)
Ag Leadership in Aquaculture	Ag Management and Leadership (01.412) & Aquaculture (03.431)
Forest Mechanical Systems	Forest Science (03.451) & Agricultural Mechanics I (01.421)
Ag Leadership in Forestry	Ag Management and Leadership (01.412) & Forest Science (03.451)
Forest/Natural Resources Management	Forest Science (03.451) & Natural Resources Management (03.411)
Forest Management Systems	Forest Science (03.451) & Forestry Science II (03.452)
Forestry / Wildlife Systems	Forest Science (03.451) & Wildlife Management (03.453)
Environmental Agriculture Systems	Ag Environmental Science and Stewardship (03.422) & Sustainable Ag Practices (TBD)

For students interested in **Plant Science / Horticulture**, the following courses make up these pathways:

Pathway Name	Basic Agriculture Science (02.471) along with these two courses
Horticulture Mechanical Systems	Agricultural Mechanics I (01.421) & General Horticulture & Plant Science (01.461)
Plant Mechanical Systems	Agricultural Mechanics I (01.421) & Plant Science and Biotechnology (02.441)
Ag Leadership in Plant Science	Plant Science and Biotechnology (02.441) & Ag Management and Leadership (01.412)
Ag Leadership in Horticulture	General Horticulture & Plant Science (01.461) & Ag Management and Leadership (01.412)
Landscape Management Systems	General Horticulture & Plant Science (01.461) & Turf Production and Mgmt. (01.465)
Plant and Floral Design Systems	General Horticulture & Plant Science (01.461) & Floral Design (01.466)
Plant and Landscape Systems	General Horticulture & Plant Science (01.461) & Nursery and Landscape (01.470)
Plant and Floriculture Systems	General Horticulture & Plant Science (01.461) & Floriculture Production (01.652)

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For students interested in **Agricultural Mechanics**, the following courses make up these pathways:

Pathway Name	Basic Agriculture Science (02.471) along with these two courses
Agricultural Mechanics & Electrical Systems	Agricultural Mechanics I (01.421) & Ag Electricity and Electric Controls (01.423)
Agricultural Mechanics & Metal Fabrication	Agricultural Mechanics I (01.421) & Ag Metal Fabrication (01.424)
Agriculture Energy Systems	Intro to Renewable Energy (TBD) & Renewable Fuel Production (TBD)
Agricultural Mechanics Systems	Agricultural Mechanics I (01.421) & Agricultural Mechanics II (01.422)

For students interested in **Food Science**, the following courses make up these pathways:

Pathway Name	Basic Agriculture Science (02.471) along with these two courses
Food Products & Processing Systems	Ag Food Products and Processing (01.441) & Ag Meat & Dairy Product Processing (01.434)
Ag Leadership in Food Product Processing	Ag Management and Leadership (01.412) & Ag Meat & Dairy Product Processing (01.434)

For students interested in **Diversified Agriculture**, the following courses make up these pathways:

Pathway Name	Basic Agriculture Science (02.471) along with these two courses
Horticulture & Forest Science	General Horticulture & Plant Science (01.461) & Forest Science (03.451)
Horticulture & Animal Science	General Horticulture & Plant Science (01.461) & Animal Science and Biotechnology (02.421)
Forestry & Animal Science	Forest Science (03.451) & Animal Science and Biotechnology (02.421)
Agribusiness Systems	Ag Management and Leadership (01.412) & Marketing Ag Products and Services (01.413)
Agriscience Systems	Animal Science and Biotechnology (02.421) & Plant Science and Biotechnology (02.441)