

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 (02.47100) along with these two courses
Ag Leadership in Animal Production	Animal Science and Biotechnology (02.42100) & Ag Management and Leadership (01.41200)
Animal Production & Processing	Ag Animal Production (01.43200) & Ag Meat & Dairy Product Processing (02.43200)
Animal/Mechanical Systems	Ag Animal Production (01.43200) & Agricultural Mechanics I (01.42100)
Companion Animal Systems	Animal Science and Biotechnology (02.42100) & Small Animal Care (02.42300)
Equine Science	Animal Science and Biotechnology (02.42100) & Equine Science (02.42200)
Food Animal Systems	Animal Science and Biotechnology (02.42100) & Agricultural Animal Production and Mgmt. (01.43200)
Veterinary Science	Animal Science and Biotechnology (02.42100) & Veterinary Science (02.42400)

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

Pathway Name	Basic Agriculture Science (02.47100) along with these two courses
Agriculture Energy Systems	Intro to Renewable Energy (03.47100) & Renewable Fuel Production (03.46200)
Agricultural Mechanics & Electrical Systems	Agricultural Mechanics I (01.42100) & Agricultural Electricity and Electrical Controls (01.42600)
Agricultural Mechanics & Metal Fabrication	Agricultural Mechanics I (01.42100) & Ag Metal Fabrication (01.42400)
Agricultural Mechanics Systems	Agricultural Mechanics I (01.42100) & Agricultural Mechanics II (01.42200)

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

Pathway Name	Basic Agriculture Science (02.47100) along with these two courses
Ag Leadership in Food Product Processing	Ag Meat & Dairy Product Processing (02.43200) & Ag Management and Leadership (01.41200)
Food Products & Processing Systems	Ag Meat & Dairy Product Processing (02.43200) & Ag Food Products and Processing (01.44100)

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

Pathway Name	Basic Agriculture Science (02.47100) along with these two courses
Agribusiness Systems	Ag Management and Leadership (01.41200) & Marketing Ag Products and Services (01.41300)
Agriscience Systems	Animal Science and Biotechnology (02.42100) & Plant Science and Biotechnology (02.44100)
Forestry & Animal Science	Forest Science (03.45100) & Animal Science and Biotechnology (02.42100)
Horticulture & Animal Science	General Horticulture & Plant Science (01.46100) & Animal Science and Biotechnology (02.42100)
Horticulture & Forest Science	General Horticulture & Plant Science (01.46100) & Forest Science (03.45100)

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

Pathway Name	Basic Agriculture Science (02.47100) along with these two courses
Ag Leadership in Aquaculture	Aquaculture (03.43100) & Ag Management and Leadership (01.41200)
Ag Leadership in Forestry	Forest Science (03.45100) & Ag Management and Leadership (01.41200)
Environmental Agriculture Systems	Ag Environmental Science and Stewardship (03.42200) & Sustainable Ag Practices (03.46100)
Forest Management Systems	Forest Science (03.45100) & Forestry Science II (03.45200)
Forest Mechanical Systems	Forest Science (03.45100) & Agricultural Mechanics I (01.42100)
Forest / Natural Resources Management	Forest Science (03.45100) & Natural Resources Management (03.41100)
Forest / Renewable Energy	Forest Science (03.45100) & Intro to Renewable Energies (03.47100)
Forestry / Wildlife Systems	Forest Science (03.45100) & Wildlife Management (03.45300)

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

Pathway Name	Basic Agriculture Science (02.47100) along with these two courses
Ag Leadership in Horticulture	General Horticulture & Plant Science (01.46100) & Ag Management and Leadership (01.41200)
Ag Leadership in Plant Science	Plant Science and Biotechnology (02.44100) & Ag Management and Leadership (01.41200)
Horticulture Mechanical Systems	General Horticulture & Plant Science (01.46100) & Agricultural Mechanics I (01.42100)
Landscape Management Systems	General Horticulture & Plant Science (01.46100) & Turf Production and Mgmt. (01.46500)
Plant and Floral Design Systems	General Horticulture & Plant Science (01.46100) & Floral Design and Mgmt. (01.46600)
Plant and Floriculture Systems	General Horticulture & Plant Science (01.46100) & Floriculture Production (01.46200)
Plant and Landscape Systems	General Horticulture & Plant Science (01.46100) & Nursery and Landscape (01.47000)
Plant Mechanical Systems	Plant Science and Biotechnology (02.44100) & Agricultural Mechanics I (01.42100)