**Career, Technical and Agricultural Education Pathways**

**2018-2019**

**Career Cluster: Agriculture, Food, and Natural Resources**

**Pathway: Agriculture Mechanics Systems**

[Basic Agricultural Science](http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Documents/Basic-Agriculture-Science.pdf): 02.47100

[Agricultural Mechanics Technology I](http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Documents/Agricultural-Mechanics-Technology-I.pdf): 01.42100

Agricultural Mechanics Technology II: 01.42200

**Pathway: Animal/Mechanical Systems**

[Basic Agricultural Science](http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Documents/Basic-Agriculture-Science.pdf): 02.47100

[Agricultural Mechanics Technology I](http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Documents/Agricultural-Mechanics-Technology-I.pdf): 01.42100

[Agricultural Animal Production and Management](http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Documents/Agricultural-Animal-Production-and-Management.pdf): 01.43200

**Pathway: Food Animal Systems**

[Basic Agricultural Science](http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Documents/Basic-Agriculture-Science.pdf): 02.47100

Animal Science & Biotechnology: 02.42100

[Agricultural Animal Production & Management](http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Documents/Agricultural-Animal-Production-and-Management.pdf): 01.43200

**Pathway: Forestry & Animal Science Systems**

[Basic Agricultural Science](http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Documents/Basic-Agriculture-Science.pdf): 02.47100

Forest Science: 03.45100

Animal Science & Biotechnology: 02.42100

**Pathway: Forest Mechanical Systems**

[Basic Agricultural Science](http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Documents/Basic-Agriculture-Science.pdf): 02.47100

[Agricultural Mechanics Technology I](http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Documents/Agricultural-Mechanics-Technology-I.pdf): 01.42100

Forest Science: 03.45100

**Pathway: Forest/Wildlife Systems**

[Basic Agricultural Science](http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Documents/Basic-Agriculture-Science.pdf): 02.47100

Forest Science: 03.45100

[Wildlife Management](http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Documents/Agricultural-Mechanics-Technology-I.pdf): 03.45300 (NGA course)

**Pathway: Horticulture & Animal Systems**

[Basic Agricultural Science](http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Documents/Basic-Agriculture-Science.pdf): 02.47100

General Horticulture and Plant Science: 01.46100

Animal Science & Biotechnology: 02.42100

**Pathway: Horticulture & Forest Science**

[Basic Agricultural Science](http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Documents/Basic-Agriculture-Science.pdf): 02.47100

Forest Science: 03.45100

General Horticulture and Plant Science: 01.46100

**Pathway: Horticulture Mechanical Systems**

[Basic Agricultural Science](http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Documents/Basic-Agriculture-Science.pdf): 02.47100

General Horticulture and Plant Science: 01.46100

[Agricultural Mechanics Technology I](http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Documents/Agricultural-Mechanics-Technology-I.pdf): 01.42100

**Pathway: Plant & Floriculture Systems**

[Basic Agricultural Science](http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Documents/Basic-Agriculture-Science.pdf): 02.47100

General Horticulture and Plant Science: 01.46100

Floriculture Production and Management: 01.46200

**Pathway: Plant & Floral Design Systems**

[Basic Agricultural Science](http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Documents/Basic-Agriculture-Science.pdf): 02.47100

General Horticulture and Plant Science: 01.46100

Floral Design and Management: 01.46600

**Pathway: Plant & Landscape Systems**

[Basic Agricultural Science](http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Documents/Basic-Agriculture-Science.pdf): 02.47100

General Horticulture and Plant Science: 01.46100

Nursery and Landscape: 01.47000

**Pathway: Veterinary Science**

[Basic Agricultural Science](http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Documents/Basic-Agriculture-Science.pdf): 02.47100

Animal Science & Biotechnology: 02.42100

Veterinary Science: 02.42400

**Career Cluster: Arts, AV/Technology and Communication**

**Pathway: Audio-Video Technology and Film**

Audio-Video Technology and Film I: 10.518.10

Audio-Video Technology and Film II: 10.51910

Audio-Video Technology and Film III: 10.52010

**Career Cluster: Business Management and Administration**

**Pathway: Business and Technology**

Introduction to Business and Technology: 07.44130

Business and Technology: 07.44100

Business Communications: 07.45100

**Career Cluster: Education and Training**

**Pathway: Early Childhood Care and Education**

**These courses do not require prerequisites!**

Early Childhood Education I: 20.52810

Early Childhood Education II: 20.42400

Early Childhood Education III: 20.42500 **or** Early Childhood Education Practicum 20.42600

**Career Cluster: Government and Public Administration**

**Pathway: JROTC – Air Force** (Any three courses)

Aviation History: 28.01700

Science of Flight: 28.41200

Cultural Studies: 28.41300

Space Exploration: 28.01500

Survival: 28.01800

Management I/II: 28.41600

**Career Cluster: Hospitality and Tourism**

**Pathway: Culinary Arts**

Introduction to Culinary Arts: 20.53100

Culinary Arts I: 20.53210

Culinary Arts II: 20.53310

**Career Cluster: Information Technology**

**Pathway: Web & Digital Design**

Introduction to Digital Technology: 11.41500

Digital Design: 11.45100

Web Design: 11.45200

**Career Cluster: Marketing**

**Pathway: Marketing and Management**

Marketing Principles: 08.47400

Marketing and Entrepreneurship: 08.44100

Marketing Management: 08.44200

**Pathway: Fashion, Merchandising and Retail Management**

Marketing Principles: 08.47400

Fashion, Merchandising and Retailing Essentials: 08.42100

Advanced Fashion, Merchandising and Retailing: 08.42200

**Career Cluster: Science, Technology, Engineering and Mathematics**

**Pathway: Engineering and Technology**

Foundations of Engineering: 21.42500

Engineering Concepts: 21.47100

Engineering Applications: 21.47200

**Career Cluster: Transportation, Distribution and Logistics**

**Pathway: Automobile Maintenance and Light Repair**

Basic Maintenance and Light Repair: 47.53110

Basic Maintenance and Light Repair 2: 47.53210

Basic Maintenance and Light Repair 3: 47.53310

**Move On When Ready Programs On-Site Through NGTC:**

**Career Cluster: Health Science**

Pathway: Patient Care

**Career Cluster: Human Services**

Pathway: Cosmetology

**Career Cluster: Transportation, Distribution and Logistics**

Pathway: Automobile Maintenance and Light Repair