

**Agriculture, Food, and Natural Resources**

Animal Production & Processing  
 Animal/Mechanical Systems  
 Agriculture Leadership in Animal Production  
 Companion Animal Systems  
 Veterinary Science  
 Equine Science  
 Food Animal Systems  
 Forest / Renewable Energy  
 Agriculture Leadership in Aquaculture  
 Forest Mechanical Systems  
 Agriculture Leadership in Forestry  
 Forest / Natural Resources Management  
 Forest Management Systems  
 Forestry / Wildlife Systems  
 Environmental Agriculture Systems  
 Horticulture / Mechanical Systems  
 Agriculture Leadership in Plant Science  
 Agriculture Leadership in Horticulture  
 Landscape Management Systems  
 Plant and Floral Design Systems  
 Plant and Landscape Systems  
 Plant and Floriculture Systems  
 Agriculture Mechanics & Electrical Systems  
 Agriculture Mechanics & Metal Fabrication  
 Agriculture Energy Systems  
 Agriculture Mechanics Systems  
 Food Products & Processing Systems  
 Agriculture Leadership in Food Product Processing  
 Horticulture and Forest Science  
 Plant Mechanical Systems  
 Horticulture and Animal Science  
 Forestry and Animal Science  
 Agriscience Systems  
 Agribusiness Systems

**Law, Public Safety, Corrections & Security**

Fire and Emergency Services – Emergency Medical Responder  
 Fire and Emergency Services – Public Safety Communications  
 Fire and Emergency Services – Firefighting  
 Corrections Services  
 Law Enforcement Services – Criminal Investigations  
 Law Enforcement Services – Forensic Science  
 Law Enforcement Services – Public Safety Communications  
 Security and Protective Services  
 Legal Services – Applications of the Law  
 Legal Services – Legal Administrative Services

**Transportation, Distribution & Logistics**

Automobile Maintenance and Light Repair  
 Automobile Service Technology  
 Master Automobile Service Technology  
 Flight Operations  
 Aircraft Maintenance  
 Distribution and Logistics  
 Collision Repair – Painting and Refinishing  
 Collision Repair – Non-Structural Analysis and Damage Repair  
 Marine Engine Technology

**Architecture & Construction**

Architectural, Drawing & Design  
 Carpentry  
 Electrical  
 Fine Furniture - Cabinetmaking  
 Heating, Ventilation, Air Conditioning, and Refrigeration  
 HVACR – Electrical  
 Industrial Maintenance  
 Masonry  
 Plumbing  
 Machining Operations  
 Sheet Metal  
 Welding

**Finance**

Advanced Accounting  
 Business Accounting  
 Financial Services



Richard Woods, Georgia's School Superintendent  
*"Educating Georgia's Future"*

**Government & Public Administration**

Public Management & Administration  
 JROTC – Air Force  
 JROTC – Army  
 JROTC – Marines  
 JROTC – Navy

**Business, Management, & Administration**

Business and Technology  
 Entrepreneurship  
 Human Resources Management

**Human Services**

Personal Care Services – Cosmetology  
 Personal Care Services – Barbering  
 Personal Care Services – Esthetics  
 Personal Care Services – Nails  
 Food and Nutrition  
 Housing and Community Management  
 Interiors, Fashion & Textiles

**Advanced Academics, Fine Arts, & World Languages**

Advanced Academics  
 Fine Arts  
 World Languages

**Hospitality & Tourism**

Culinary Arts  
 Hospitality, Recreation, & Tourism  
 Sports & Entertainment Marketing

**Arts, AV/Technology & Communications**

Audio - Video Technology & Film  
 Graphic Communication  
 Graphic Design  
 Animation and Digital Media

**Manufacturing**

Industrial Maintenance  
 Manufacturing  
 Mechatronics  
 Granite Technology

**Science, Technology, Engineering, Mathematics**

Engineering and Technology  
 Engineering Drafting and Design  
 Electronics

**Education & Training**

Early Childhood Care & Education  
 Teaching as a Profession

**Energy**

Energy Systems  
 Energy & Power: Generation, Transmission, and Distribution

**Health Science**

Diagnostics – Clinical Lab  
 Diagnostics – Phlebotomy  
 Diagnostics – Non-Invasive Technology in Healthcare  
 Therapeutic Services – Public Health  
 Therapeutic Services – Exercise Physiology  
 Therapeutic Services – Sports Medicine  
 Therapeutic Services – Allied Health and Medicine  
 Therapeutic Services – Dental Science  
 Therapeutic Services – Pharmacy  
 Therapeutic Services – Emergency Medical Responder  
 Therapeutic Services – Patient Care  
 Therapeutic Services – Public Safety Communications  
 Therapeutic Services – Surgical Technology  
 Health Informatics – Health Information Management/Medical Office  
 Health Informatics – Health Information Technology  
 Biotechnology Research and Development  
 Support Services

**Marketing**

Marketing and Management  
 Fashion, Merchandising & Retail Management  
 Marketing Communications & Promotions

**Information Technology**

Cybersecurity  
 Game Design  
 Health Information Technology  
 Information Support & Services  
 Internet of Things  
 Networking  
 Programming  
 Computer Science  
 Web & Digital Design  
 Web Development

## Georgia Career Clusters

**Agriculture, Food, and Natural Resources**

| <b>Animal Science</b>  |   |  |
|--|---|--|
| <p><b>Animal Production &amp; Processing Pathway</b></p> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 01.43200 - Agricultural Animal Production and Management</li> <li>• 02.43200 - Agriculture Meat and Dairy Product Processing</li> </ul> | <p><b>Animal / Mechanical Systems Pathway</b></p> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 01.42100 - Agricultural Mechanics Technology</li> <li>• 01.43200 - Agricultural Animal Production and Management</li> </ul> | <p><b>Agriculture Leadership in Animal Production Pathway</b></p> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 02.42100 - Animal Science Technology / Biotechnology</li> <li>• 01.41200 - Agribusiness Management and Leadership</li> </ul> |
| <p><b>Companion Animal Systems Pathway</b></p> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 02.42100 - Animal Science Technology / Biotechnology</li> <li>• 02.42300 - Small Animal Care</li> </ul>   | <p><b>Veterinary Science Pathway</b></p> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 02.42100 - Animal Science Technology / Biotechnology</li> <li>• 02.42400 - Veterinary Science</li> </ul>                             | <p><b>Equine Science Pathway</b></p> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 02.42100 - Animal Science Technology / Biotechnology</li> <li>• 02.42200 - Equine Science</li> </ul>  |
| <p><b>Food Animal Systems Pathway</b></p> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 02.42100 - Animal Science Technology / Biotechnology</li> <li>• 01.43200 - Agricultural Animal Production and Management</li> </ul>                    |   |  |
| <b>Forestry/Natural Resources</b>  |   |  |
| <p><b>Forestry / Natural Resources Forest/Renewable Energy Pathway</b></p> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 03.45100 - Forest Science</li> <li>• 03.47100 - Introduction to Renewable Energy</li> </ul>                           | <p><b>Agriculture Leadership in Aquaculture Pathway</b></p> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 01.41200 - Agribusiness Management and Leadership</li> <li>• 03.43100 - Aquaculture</li> </ul>                    | <p><b>Forest Mechanical Systems Pathway</b></p> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 03.45100 - Forest Science I</li> <li>• 01.42100 - Agricultural Mechanics Technology I</li> </ul>   |
| <p><b>Agriculture Leadership in Forestry Pathway</b></p> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 01.41200 - Agribusiness Management and Leadership</li> <li>• 03.45100 - Forest Science</li> </ul>                                       | <p><b>Forest / Natural Resources Management Pathway</b></p> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 03.45100 - Forest Science I</li> <li>• 03.41100 - Natural Resources Management</li> </ul>                         | <p><b>Forest Management Systems Pathway</b></p> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 03.45100 - Forest Science I</li> <li>• 03.45200 - Forestry Science II</li> </ul>   |
| <p><b>Forestry / Wildlife Systems Pathway</b></p> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 03.45100 - Forest Science</li> <li>• 03.45300 - Wildlife Management</li> </ul>   | <p><b>Environmental Agriculture Systems Pathway</b></p> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 03.42200 - Environmental Science and Stewardship</li> <li>• 03.46100 - Sustainable Agriculture</li> </ul>             |  |

## Georgia Career Clusters

| <b>Plant Science/Horticulture</b>  |   |   |
|--|---|---|
| <b>Horticulture Mechanical Systems Pathway</b> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 01.42100 - Agricultural Mechanics Technology I</li> <li>• 01.46100 - General Horticulture and Plant Science</li> </ul>  | <b>Plant Mechanical Systems Pathway</b> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 01.42100 - Agricultural Mechanics Technology</li> <li>• 02.44100 - Plant Science and Biotechnology</li> </ul>   | <b>Agriculture Leadership in Plant Science Pathway</b> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 02.44100 - Plant Science and Biotechnology</li> <li>• 01.41200 - Agribusiness Management and Leadership</li> </ul> |
| <b>Agriculture Leadership in Horticulture Pathway</b> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 01.46100 - General Horticulture and Plant Science</li> <li>• 01.41200 - Agribusiness Management and Leadership</li> </ul>                                    | <b>Landscape Management Systems Pathway</b> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 01.46100 - General Horticulture and Plant Science</li> <li>• 01.46500 - Turf Production and Management</li> </ul>                                     | <b>Plant and Floral Design Systems Pathway</b> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 01.46100 - General Horticulture and Plant Science</li> <li>• 01.46600 - Floral Design and Management</li> </ul>            |
| <b>Plant and Landscape Systems Pathway</b> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 01.46100 - General Horticulture and Plant Science</li> <li>• 01.47000 - Nursery and Landscape</li> </ul>  | <b>Plant and Floriculture Systems Pathway</b> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 01.46100 - General Horticulture and Plant Science</li> <li>• 01.46200 - Floriculture Production and Management</li> </ul>                           |   |
| <b>Agricultural Mechanics</b>  |   |   |
| <b>Agricultural Mechanics and Electrical Systems Pathway</b> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 01.42100 - Agricultural Mechanics Technology</li> <li>• 01.42600 - Agricultural Electricity and Electrical Controls</li> </ul>                        | <b>Agricultural Mechanics and Metal Fabrications Pathway</b> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 01.42100 - Agricultural Mechanics Technology</li> <li>• 01.42400 - Agricultural Metals Fabrication</li> </ul>                        | <b>Agriculture Energy Systems Pathway</b> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 03.47100 - Introduction to Renewable Energy</li> <li>• 03.46200 - Renewable Fuel Production</li> </ul>                          |
| <b>Agricultural Mechanics Systems Pathway</b> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 01.42100 - Agricultural Mechanics Technology I</li> <li>• 01.42200 - Agricultural Mechanics Technology II</li> </ul>   |   |   |
| <b>Food Science</b>  |   |   |
| <b>Food Products and Processing Systems Pathway</b> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 01.44100 - Agricultural Food Products and Processing, Operations and Management</li> <li>• 02.43200 - Agriculture Meat and Dairy Product Processing</li> </ul> | <b>Agriculture Leadership in Food Product Processing Pathway</b> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 01.41200 - Agribusiness Management and Leadership</li> <li>• 02.43200 - Agriculture Meat and Dairy Product Processing</li> </ul> |   |

## Georgia Career Clusters

**Diversified Agriculture**

| <b>Horticulture and Forest Science Pathway</b>   | <b>Horticulture and Animal Science Pathway</b>  | <b>Forestry &amp; Animal Science Pathway</b>   |
|--|---|--|
| <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 01.46100 - General Horticulture and Plant Science</li> <li>• 03.45100 - Forest Science</li> </ul>  | <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 01.46100 - General Horticulture and Plant Science</li> <li>• 02.42100 - Animal Science Technology /<br/>Biotechnology</li> </ul>  | <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 03.45100 - Forest Science</li> <li>• 02.42100 - Animal Science Technology /<br/>Biotechnology</li> </ul> |
| <p style="text-align: center;"><b>Agribusiness Systems Pathway</b></p> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 01.41200 - Agribusiness Management and<br/>Leadership</li> <li>• 01.41300 - Marketing Agricultural Products &amp;<br/>Services</li> </ul> | <p style="text-align: center;"><b>Agriscience Systems Pathway</b></p> <ul style="list-style-type: none"> <li>• 02.47100 - Basic Agricultural Science</li> <li>• 02.42100 - Animal Science Technology /<br/>Biotechnology</li> <li>• 02.44100 - Plant Science and Biotechnology</li> </ul> |  |

## Georgia Career Clusters

**Architecture and Construction**

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| <p><b>Architectural Drawing and Design Pathway</b></p> <ul style="list-style-type: none"> <li>• 48.54100 - Introduction to Drafting and Design</li> <li>• 48.54500 - Architectural Drawing and Design I</li> <li>• 48.54600 - Architectural Drawing and Design II</li> </ul> | <p><b>Carpentry Pathway</b></p> <ul style="list-style-type: none"> <li>• 46.54500 - Industry Fundamentals and Occupational Safety</li> <li>• 46.54600 - Introduction to Construction</li> <li>• 46.55000 - Carpentry I</li> </ul>    | <p><b>Masonry Pathway</b></p> <ul style="list-style-type: none"> <li>• 46.54500 - Industry Fundamentals and Occupational Safety</li> <li>• 46.54600 - Introduction to Construction</li> <li>• 46.57000 - Masonry I</li> </ul>  |
| <p><b>Plumbing Pathway</b></p> <ul style="list-style-type: none"> <li>• 46.54500 - Industry Fundamentals and Occupational Safety</li> <li>• 46.54600 - Introduction to Construction</li> <li>• 46.58000 - Plumbing I</li> </ul>  | <p><b>Electrical Pathway</b></p> <ul style="list-style-type: none"> <li>• 46.54500 - Industry Fundamentals and Occupational Safety</li> <li>• 46.54600 - Introduction to Construction</li> <li>• 46.56000 - Electrical I</li> </ul>  | <p><b>Machining Operations Pathway</b></p> <ul style="list-style-type: none"> <li>• 46.54500 - Industry Fundamentals and Occupational Safety</li> <li>• 48.58100 - Introduction to Metals</li> <li>• 48.59000 - Machining Operations I</li> </ul>  |
| <p><b>Welding Pathway</b></p> <ul style="list-style-type: none"> <li>• 46.54500 - Industry Fundamentals and Occupational Safety</li> <li>• 48.58100 - Introduction to Metals</li> <li>• 48.55100 - Welding I</li> </ul>  | <p><b>Sheet Metal Pathway</b></p> <ul style="list-style-type: none"> <li>• 46.54500 - Industry Fundamentals and Occupational Safety</li> <li>• 48.58100 - Introduction to Metals</li> <li>• 48.58200 - Sheet Metal I</li> </ul>      | <p><b>Heating, Ventilation, Air Conditioning and Refrigeration Pathway</b></p> <ul style="list-style-type: none"> <li>• 46.54500 - Industry Fundamentals and Occupational Safety</li> <li>• 47.41400 - Introduction to HVACR Systems</li> <li>• 47.41500 - Heating, Ventilation, Air Conditioning and Refrigeration</li> </ul> |
| <p><b>HVACR Electrical Pathway</b></p> <ul style="list-style-type: none"> <li>• 46.54500 - Industry Fundamentals and Occupational Safety</li> <li>• 47.41400 - Introduction to HVACR Systems</li> <li>• 47.41600 - Low Voltage Electrical</li> </ul>                         | <p><b>Industrial Maintenance Pathway</b></p> <ul style="list-style-type: none"> <li>• 46.41000 – Industrial Mechanics</li> <li>• 46.42000 – Fluid Power and Piping Systems</li> <li>• 46.43000 – Electrical Motor Control</li> </ul> | <p><b>Fine Furniture/Cabinetmaking Pathway</b></p> <ul style="list-style-type: none"> <li>• 46.45400 – Fine Furniture/Cabinetmaking I</li> <li>• 46.45500 – Fine Furniture/Cabinetmaking II</li> <li>• 46.45600 – Fine Furniture/Cabinetmaking III</li> </ul>  |

## Georgia Career Clusters

**Arts, A/V Technology, & Communications**

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|---|--|---|
| <p><b>Audio-Video Technology and Film Pathway I</b></p> <ul style="list-style-type: none"> <li>• 10.51810 - Audio and Video Technology and Film</li> <li>• 10.51910 - Audio-Video Technology and Film II</li> <li>• 10.52010 - Audio-Video Technology and Film III</li> </ul>     | <p><b>Graphic Communication Pathway</b></p> <ul style="list-style-type: none"> <li>• 48.56100 - Introduction to Graphics and Design</li> <li>• 48.56200 - Graphic Design and Production</li> <li>• 48.57000 - Advanced Graphic Output Processes</li> </ul>   | <p><b>Graphic Design Pathway</b></p> <ul style="list-style-type: none"> <li>• 48.56100 - Introduction to Graphics and Design</li> <li>• 48.56200 - Graphic Design and Production</li> <li>• 48.52800 - Advanced Graphic Design</li> </ul> |
| <p><b>Audio-Video Technology and Film Pathway II</b></p> <ul style="list-style-type: none"> <li>• 10.51810 - Audio and Video Technology and Film</li> <li>• 10.51910 - Audio-Video Technology and Film II</li> <li>• 10.51410 – Broadcast Video Production Application</li> </ul> | <p><b>Animation and Digital Media Pathway</b></p> <ul style="list-style-type: none"> <li>• 48.42100 – Introduction to Digital Media</li> <li>• 48.42200 – Principles and Concepts of Animation</li> <li>• 48.42300 – Advanced Animation, Game and App Design</li> <li>• 48.42400 – Animation Practicum Capstone</li> </ul> |   |

**Business, Management, & Administration**

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| <p><b>Business and Technology Pathway</b></p> <ul style="list-style-type: none"> <li>• 07.44130 - Introduction to Business and Technology</li> <li>• 07.44100 - Business and Technology</li> <li>• 07.45100 - Business Communications</li> </ul> | <p><b>Entrepreneurship Pathway</b></p> <ul style="list-style-type: none"> <li>• 07.44130 - Introduction to Business and Technology</li> <li>• 06.41500 - Legal Environment of Business</li> <li>• 06.41610 - Entrepreneurship</li> </ul> | <p><b>Human Resources Management Pathway</b></p> <ul style="list-style-type: none"> <li>• 07.44130 - Introduction to Business and Technology</li> <li>• 06.41500 - Legal Environment of Business</li> <li>• 06.41800 - Human Resources Principles</li> </ul> |
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**Education and Training**

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| <p><b>Early Childhood Care and Education I Pathway</b></p> <ul style="list-style-type: none"> <li>• 20.52810 - Early Childhood Education I</li> <li>• 20.42400 - Early Childhood Education II</li> <li>• 20.42500 - Early Childhood Education III</li> </ul> | <p><b>Early Childhood Care and Education II Pathway</b></p> <ul style="list-style-type: none"> <li>• 20.52810 - Early Childhood Education I</li> <li>• 20.42400 - Early Childhood Education II</li> <li>• 20.42600 - Early Childhood Education Practicum</li> </ul> | <p><b>Teaching as a Profession Pathway</b></p> <ul style="list-style-type: none"> <li>• 13.01100 - Examining the Teaching Profession</li> <li>• 13.01200 - Contemporary Issues In Education</li> <li>• 13.01300 - Teaching as a Profession Practicum</li> </ul> |
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## Georgia Career Clusters

**Energy****Energy Systems Pathway**

- 49.53700 - Foundations of Energy Technologies
- 21.45100 - Energy and Power Technology
- 21.45700 - Appropriate and Alternative Energy Technologies

**Energy and Power: Generation, Transmission, and Distribution Pathway**

- 49.53700 - Foundations of Energy Technologies
- 49.53800 - Energy and Power: Generation, Transmission, and Distribution
- 49.53900 - Energy Systems Applications

**Finance****Advanced Accounting Pathway**

- 07.44130 - Introduction to Business and Technology
- 07.41100 - Principles of Accounting I
- 07.41200 - Principles of Accounting II

**Business Accounting Pathway**

- 07.44130 - Introduction to Business and Technology
- 07.42600 - Financial Literacy
- 07.41100 - Principles of Accounting I

**Financial Services Pathway**

- 07.44130 - Introduction to Business and Technology
- 07.42600 - Financial Literacy
- 07.43100 - Banking, Investing, and Insurance

## Georgia Career Clusters

**Government and Public Administration**

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|--|---|---|
| <p><b>Public Management and Administration Pathway</b></p> <ul style="list-style-type: none"> <li>● 29.41000 - Introduction to Government and Public Administration</li> <li>● 29.41100 - Government Public Administration: State and Federal Issues</li> <li>● 29.41200 - Government Public Administration: Local and State Issues</li> </ul>   | <p><b>JROTC - Army</b></p> <ul style="list-style-type: none"> <li>● 28.03100 - JROTC Army Leadership Education 1</li> <li>● 28.03110 - Army JROTC LET 1 Alpha</li> <li>● 28.03120 - Army JROTC LET 1 Bravo</li> <li>● 28.03200 - JROTC Army Leadership Education 2</li> <li>● 28.03210 - Army JROTC LET 2 Alpha</li> <li>● 28.03220 - Army JROTC LET 2 Bravo</li> <li>● 28.03300 - JROTC Army Leadership Education 3</li> <li>● 28.03310 - Army JROTC LET 3 Alpha</li> <li>● 28.03320 - Army JROTC LET 3 Bravo</li> <li>● 28.03400 - JROTC Army Leadership Education 4</li> <li>● 28.03410 - Army JROTC LET 4 Alpha</li> <li>● 28.03420 - Army JROTC LET 4 Bravo</li> <li>● 28.03500 - JROTC Army Leadership Education 5</li> <li>● 28.03600 - JROTC Army Leadership Education 6</li> <li>● 28.03700 - JROTC Army Leadership Education 7</li> <li>● 28.03800 - JROTC Army Leadership Education 8</li> </ul> | <p><b>JROTC - Air Force</b></p> <ul style="list-style-type: none"> <li>● 28.01100 - Aerospace Science: A Journey into Aviation History and Leadership I</li> <li>● 28.01200 - Aerospace Science: Science of Flight and Leadership II</li> <li>● 28.01300 - JROTC Air Force III: Aerospace Science: Global and Cultural Studies I</li> <li>● 28.01400 - Aerospace Science: Astronomy and/or Leadership III</li> <li>● 28.01500 - Aerospace Science: Exploration of Space and/or Leadership III</li> <li>● 28.01600 - Aerospace Science: Management of the Cadet Corps and/or National Endowment for Financial Education (NEFE) and/or Leadership IV</li> <li>● 28.01700 - JROTC Air Force VII: Aerospace Science: Global and Cultural Studies II</li> <li>● 28.01800 - Aerospace Science: Survival</li> <li>● 28.01900 - Aerospace Science: Honors Ground School and/or Leadership IV</li> </ul> |
| <p><b>JROTC Marines</b></p> <ul style="list-style-type: none"> <li>● 28.04100 - MCJROTC Leadership Education I</li> <li>● 28.04200 - MCJROTC Leadership Education II</li> <li>● 28.04300 - MCJROTC Leadership Education III</li> <li>● 28.04400 - MCJROTC Leadership Education IV</li> <li>● 28.04500 - MCJROTC Leadership Education V</li> <li>● 28.04600 - MCJROTC Leadership Education VI</li> <li>● 28.04700 - MCJROTC Leadership Education VII</li> <li>● 28.04800 - MCJROTC Leadership Education VIII</li> </ul> | <p><b>JROTC - Navy</b></p> <ul style="list-style-type: none"> <li>● 28.02100 - Naval Science I Cadet Field Manual</li> <li>● 28.02200 - Naval Science I Introduction to NJROTC</li> <li>● 28.02300 - Naval Science: Maritime History</li> <li>● 28.02400 - Naval Science II Nautical Science</li> <li>● 28.02500 - Naval Science III Naval Knowledge</li> <li>● 28.02600 - Naval Science III Naval Orientation and Skills</li> <li>● 28.02700 - Naval Science IV Naval Leadership and Ethics</li> <li>● 28.02800 - Naval Science IV Effective Communications</li> </ul>   |   |



## Georgia Career Clusters

## Health Science

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| <p><b>Therapeutic Services / Pharmacy Pathway</b></p> <ul style="list-style-type: none"> <li>• 25.52100 - Introduction to Healthcare Science</li> <li>• 25.44000 - Essentials of Healthcare</li> <li>• 25.45300 - Pharmacy Operations and Fundamentals</li> </ul>                   | <p><b>Therapeutic Services / Dental Science Pathway</b></p> <ul style="list-style-type: none"> <li>• 25.52100 - Introduction to Healthcare Science</li> <li>• 25.48800 - Essentials of Dental Science</li> <li>• 25.48900 - Dental Science II</li> </ul>  | <p><b>Therapeutic Services / Emergency Medical Responder Pathway</b></p> <ul style="list-style-type: none"> <li>• 25.52100 - Introduction to Healthcare Science</li> <li>• 25.44000 - Essentials of Healthcare</li> <li>• 25.45000 - Emergency Medical Responder</li> </ul> |
| <p><b>Therapeutic Services / Public Safety Communications Pathway</b></p> <ul style="list-style-type: none"> <li>• 25.52100 - Introduction to Healthcare Science</li> <li>• 25.44000 - Essentials of Healthcare</li> <li>• 43.46200 - Public Safety Communications</li> </ul>       | <p><b>Therapeutic Services / Exercise Physiology Pathway</b></p> <ul style="list-style-type: none"> <li>• 25.52100 - Introduction to Healthcare Science</li> <li>• 25.44000 - Essentials of Healthcare</li> <li>• 25.45400 - Fundamentals of Exercise Physiology</li> </ul>                                     | <p><b>Therapeutic Services / Sports Medicine Pathway</b></p> <ul style="list-style-type: none"> <li>• 25.52100 - Introduction to Healthcare Science</li> <li>• 25.44000 - Essentials of Healthcare</li> <li>• 25.44600 - Sports Medicine</li> </ul>                         |
| <p><b>Therapeutic Services / Public Health Pathway</b></p> <ul style="list-style-type: none"> <li>• 25.52100 - Introduction to Healthcare Science</li> <li>• 25.44000 - Essentials of Healthcare</li> <li>• 25.45200 - Applications of Public Health</li> </ul>                     | <p><b>Therapeutic Services / Patient Care Pathway</b></p> <ul style="list-style-type: none"> <li>• 25.52100 - Introduction to Healthcare Science</li> <li>• 25.44000 - Essentials of Healthcare</li> <li>• 25.43600 - Patient Care Fundamentals</li> </ul>  | <p><b>Therapeutic Services / Allied Health and Medicine Pathway</b></p> <ul style="list-style-type: none"> <li>• 25.52100 - Introduction to Healthcare Science</li> <li>• 25.44000 - Essentials of Healthcare</li> <li>• 25.43700 - Allied Health and Medicine</li> </ul>   |
| <p><b>Therapeutic Services / Surgical Technology Pathway</b></p> <ul style="list-style-type: none"> <li>• 25.52100 - Introduction to Healthcare Science</li> <li>• 25.44000 - Essentials of Healthcare</li> <li>• 25.44700 - Surgical Technician I</li> </ul>                       | <p><b>Diagnostics / Phlebotomy Pathway</b></p> <ul style="list-style-type: none"> <li>• 25.52100 - Introduction to Healthcare Science</li> <li>• 25.44000 - Essentials of Healthcare</li> <li>• 25.57400 - Diagnostics Phlebotomy</li> </ul>  | <p><b>Diagnostics / Clinical Lab Pathway</b></p> <ul style="list-style-type: none"> <li>• 25.52100 - Introduction to Healthcare Science</li> <li>• 25.44000 - Essentials of Healthcare</li> <li>• 25.57600 - Clinical Lab I</li> </ul>                                      |
| <p><b>Diagnostics / Non-Invasive Technology in Healthcare Pathway</b></p> <ul style="list-style-type: none"> <li>• 25.52100 - Introduction to Healthcare Science</li> <li>• 25.44000 - Essentials of Healthcare</li> <li>• 25.44500 - Non-Invasive Diagnostic Technology</li> </ul> | <p><b>Health Informatics / Health Information Management / Medical Office Pathway</b></p> <ul style="list-style-type: none"> <li>• 25.52100 - Introduction to Healthcare Science</li> <li>• 25.44000 - Essentials of Healthcare</li> <li>• 25.49700 - Health Information Management / Medical Office</li> </ul> | <p><b>Support Services Pathway</b></p> <ul style="list-style-type: none"> <li>• 25.52100 - Introduction to Healthcare Science</li> <li>• 25.44000 - Essentials of Healthcare</li> <li>• 25.44400 - Healthcare Support Services</li> </ul>                                   |
| <p><b>Biotechnology Research and Development Pathway</b></p> <ul style="list-style-type: none"> <li>• 25.52100 - Introduction to Healthcare Science</li> <li>• 25.57000 - Essentials of Biotechnology</li> <li>• 25.56900 - Applications of Biotechnology</li> </ul>                |   |   |

## Georgia Career Clusters

**Hospitality and Tourism**

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| <p style="text-align: center;"><b>Culinary Arts Pathway</b></p> <ul style="list-style-type: none"> <li>• 20.53100 - Introduction to Culinary Arts</li> <li>• 20.53210 - Culinary Arts I</li> <li>• 20.53310 - Culinary Arts II</li> </ul> | <p style="text-align: center;"><b>Hospitality, Recreation, and Tourism Pathway</b></p> <ul style="list-style-type: none"> <li>• 08.47400 - Marketing Principles</li> <li>• 08.45300 - Hospitality, Recreation and Tourism Essentials</li> <li>• 08.45400 - Hospitality, Recreation and Tourism Management</li> </ul> | <p style="text-align: center;"><b>Sports and Entertainment Marketing Pathway</b></p> <ul style="list-style-type: none"> <li>• 08.47400 - Marketing Principles</li> <li>• 08.47800 - Introduction to Sports and Entertainment Marketing</li> <li>• 08.48500 - Advanced Sports and Entertainment Marketing</li> </ul> |
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**Human Services**

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| <p style="text-align: center;"><b>Food and Nutrition Pathway</b></p> <ul style="list-style-type: none"> <li>• 20.41610 - Food, Nutrition and Wellness</li> <li>• 20.41400 - Food for Life</li> <li>• 20.41810 - Food Science</li> </ul>   | <p style="text-align: center;"><b>Housing and Community Management Pathway</b></p> <ul style="list-style-type: none"> <li>• 20.44000 - Introduction to Consumer Relations</li> <li>• 20.43200 - Housing and Community Management</li> <li>• 20.43300 - Managing Diverse Property Types</li> </ul> | <p style="text-align: center;"><b>Interiors, Fashion and Textiles Pathway</b></p> <ul style="list-style-type: none"> <li>• 20.44100 - Foundations of Interior Design</li> <li>• 20.44500 - Fundamentals of Fashion</li> <li>• 20.44700 - Textile Science</li> </ul>                 |
| <p style="text-align: center;"><b>Personal Care Services - Cosmetology Pathway</b></p> <ul style="list-style-type: none"> <li>• 12.54400 - Introduction to Personal Care Services</li> <li>• 12.41000 - Cosmetology Services II</li> <li>• 12.41100 - Cosmetology Services III</li> </ul> | <p style="text-align: center;"><b>Personal Care Services - Barbering Pathway</b></p> <ul style="list-style-type: none"> <li>• 12.54400 - Introduction to Personal Care Services</li> <li>• 12.42000 - Barbering II</li> <li>• 12.42100 - Barbering III</li> </ul>                                 | <p style="text-align: center;"><b>Personal Care Services - Esthetics Pathway</b></p> <ul style="list-style-type: none"> <li>• 12.54400 - Introduction to Personal Care Services</li> <li>• 12.43000 - Esthetics Services II</li> <li>• 12.43100 - Esthetics Services III</li> </ul> |
| <p style="text-align: center;"><b>Personal Care Services - Nails Pathway</b></p> <ul style="list-style-type: none"> <li>• 12.54400 - Introduction to Personal Care Services</li> <li>• 12.47000 - Nail Care Services II</li> <li>• 12.47100 - Nail Care Services III</li> </ul>           |   |   |

## Georgia Career Clusters

## Information Technology

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| <p style="text-align: center;"><b>Web and Digital Design Pathway</b></p> <ul style="list-style-type: none"> <li>• 11.41500 - Introduction to Digital Technology</li> <li>• 11.45100 - Digital Design</li> <li>• 11.45200 - Web Design</li> </ul>   | <p style="text-align: center;"><b>Programming Pathway</b></p> <ul style="list-style-type: none"> <li>• 11.41500 - Introduction to Digital Technology</li> <li>• 11.47100 - Computer Science Principles</li> <li>• 11.47200 - Programming, Games, Apps and Society</li> </ul>   | <p style="text-align: center;"><b>Computer Science Pathway</b></p> <ul style="list-style-type: none"> <li>• 11.41500 - Introduction to Digital Technology</li> <li>• 11.47100 - Computer Science Principles</li> <li>• 11.01600 - Advanced Placement Computer Science</li> </ul>   |
| <p style="text-align: center;"><b>Information Support and Services Pathway</b></p> <ul style="list-style-type: none"> <li>• 11.41500 - Introduction to Digital Technology</li> <li>• 11.41400 - Information Technology Essentials</li> <li>• 11.42000 - Information Technology Support</li> </ul>  | <p style="text-align: center;"><b>Networking Pathway</b></p> <ul style="list-style-type: none"> <li>• 11.41500 - Introduction to Digital Technology</li> <li>• 11.46100 - Networking Fundamentals</li> <li>• 11.46200 - Networking Systems and Support</li> </ul>  | <p style="text-align: center;"><b>Health Information Technology Pathway</b></p> <ul style="list-style-type: none"> <li>• 25.52100 - Introduction to Healthcare Science</li> <li>• 25.49500 - Essentials of Health Information Technology</li> <li>• 25.49600 - Applications of Health Information Technology</li> </ul>                          |
| <p style="text-align: center;"><b>Cybersecurity Pathway</b></p> <ul style="list-style-type: none"> <li>• 11.41500 - Introduction to Digital Technology</li> <li>• 11.48100 - Introduction to Cybersecurity</li> <li>• 11.48200 - Advanced Cybersecurity</li> </ul>   | <p style="text-align: center;"><b>Game Design Pathway</b></p> <ul style="list-style-type: none"> <li>• 11.41500 - Introduction to Digital Technology</li> <li>• 11.47100 - Computer Science Principles <b>OR</b></li> <li>• 11.01900 - Advanced Placement Computer Science Principles</li> <li>• 11.42900 - Game Design: Animation and Simulation</li> </ul> | <p style="text-align: center;"><b>Internet of Things Pathway</b></p> <ul style="list-style-type: none"> <li>• 11.41500 - Introduction to Digital Technology</li> <li>• 11.47100 - Computer Science Principles <b>OR</b></li> <li>• 11.01900 - Advanced Placement Computer Science Principles</li> <li>• 11.42700 - Embedded Computing</li> </ul> |
| <p style="text-align: center;"><b>Web Development Pathway</b></p> <ul style="list-style-type: none"> <li>• 11.41500 - Introduction to Digital Technology</li> <li>• 11.47100 - Computer Science Principles <b>OR</b></li> <li>• 11.01900 - Advanced Placement Computer Science Principles</li> <li>• 11.42500 - Web Development</li> </ul> |  |  |

## Georgia Career Clusters

**Law, Public Safety, Corrections, and Security**

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| <p><b>Corrections Services Pathway</b></p> <ul style="list-style-type: none"> <li>• 43.45000 - Introduction to Law, Public Safety, Corrections, and Security</li> <li>• 43.45100 - Criminal Justice Essentials</li> <li>• 43.45700 - Applications of Corrections</li> </ul>                                      | <p><b>Law Enforcement Services/Criminal Investigations Pathway</b></p> <ul style="list-style-type: none"> <li>• 43.45000 - Introduction to Law, Public Safety, Corrections, and Security</li> <li>• 43.45100 - Criminal Justice Essentials</li> <li>• 43.45300 - Criminal Investigations</li> </ul>                            | <p><b>Law Enforcement Services/Forensic Science Pathway</b></p> <ul style="list-style-type: none"> <li>• 43.45000 - Introduction to Law, Public Safety, Corrections, and Security</li> <li>• 43.45100 - Criminal Justice Essentials</li> <li>• 43.45200 - Forensic Science and Criminal Investigations</li> </ul>                |
| <p><b>Security and Protective Services Pathway</b></p> <ul style="list-style-type: none"> <li>• 43.45000 - Introduction to Law, Public Safety, Corrections, and Security</li> <li>• 43.45100 - Criminal Justice Essentials</li> <li>• 43.45800 - Security and Protective Services</li> </ul>                     | <p><b>Fire and Emergency Services / Emergency Medical Responder Pathway</b></p> <ul style="list-style-type: none"> <li>• 43.45000 - Introduction to Law, Public Safety, Corrections, and Security</li> <li>• 43.46000 - Essentials of Fire and Emergency Services</li> <li>• 25.45000 - Emergency Medical Responder</li> </ul> | <p><b>Fire and Emergency Services / Public Safety Communications Pathway</b></p> <ul style="list-style-type: none"> <li>• 43.45000 - Introduction to Law, Public Safety, Corrections, and Security</li> <li>• 43.46000 - Essentials of Fire and Emergency Services</li> <li>• 43.46200 - Public Safety Communications</li> </ul> |
| <p><b>Fire and Emergency Services / Firefighting Pathway</b></p> <ul style="list-style-type: none"> <li>• 43.45000 - Introduction to Law, Public Safety, Corrections, and Security</li> <li>• 43.46000 - Essentials of Fire and Emergency Services</li> <li>• 43.44000 - Applications of Firefighting</li> </ul> | <p><b>Legal Services / Applications of the Law Pathway</b></p> <ul style="list-style-type: none"> <li>• 43.45000 - Introduction to Law, Public Safety, Corrections, and Security</li> <li>• 43.45400 - Essentials of Legal Services</li> <li>• 43.45500 - Applications of Law</li> </ul>                                       | <p><b>Legal Services / Legal Administrative Services Pathway</b></p> <ul style="list-style-type: none"> <li>• 43.45000 - Introduction to Law, Public Safety, Corrections, and Security</li> <li>• 43.45400 - Essentials of Legal Services</li> <li>• 43.45600 - Legal Administrative Services</li> </ul>                         |

**Manufacturing**

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| <p><b>Manufacturing Pathway</b></p> <ul style="list-style-type: none"> <li>• 21.44100 - Foundations of Manufacturing and Materials Science</li> <li>• 21.44500 - Robotics and Automated Systems</li> <li>• 21.44400 - Production Enterprises</li> </ul> | <p><b>Mechatronics Pathway</b></p> <ul style="list-style-type: none"> <li>• 21.46200 - Introduction to Mechatronics - DC Theory, Pneumatic Systems, and Programmable Logic Controllers</li> <li>• 21.46300 - AC Theory, Electric Motors, and Hydraulic Systems</li> <li>• 21.46400 - Semiconductors, Mechanical Systems, and Pump and Piping Systems</li> </ul> |
| <p><b>Granite Technology Pathway</b></p> <ul style="list-style-type: none"> <li>• 47.45400 - Occupational Safety of Granite</li> <li>• 47.45500 - Introduction to Granite</li> <li>• 47.45600 - Applications in Granite Industry</li> </ul>             | <p><b>Industrial Maintenance Pathway</b></p> <ul style="list-style-type: none"> <li>• 46.41000 - Industrial Mechanics</li> <li>• 46.42000 - Fluid Power and Piping Systems</li> <li>• 46.43000 - Electrical Motor Control</li> </ul>  |

## Georgia Career Clusters

**Marketing**

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| <p style="text-align: center;"><b>Marketing and Management Pathway</b></p> <ul style="list-style-type: none"> <li>• 08.47400 - Marketing Principles</li> <li>• 08.44100 - Marketing and Entrepreneurship</li> <li>• 08.44200 - Marketing Management</li> </ul> | <p style="text-align: center;"><b>Fashion, Merchandising and Retail Management Pathway</b></p> <ul style="list-style-type: none"> <li>• 08.47400 - Marketing Principles</li> <li>• 08.42100 - Fashion, Merchandising and Retailing Essentials</li> <li>• 08.42200 - Advanced Fashion, Merchandising and Retailing</li> </ul> | <p style="text-align: center;"><b>Marketing Communications and Promotions Pathway</b></p> <ul style="list-style-type: none"> <li>• 08.47400 - Marketing Principles</li> <li>• 08.45100 - Promotion and Professional Sales</li> <li>• 08.45200 - Marketing Communications Essentials</li> </ul> |
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**Science, Technology, Engineering, Mathematics**

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| <p style="text-align: center;"><b>Engineering and Technology Pathway</b></p> <ul style="list-style-type: none"> <li>• 21.42500 - Foundations of Engineering and Technology</li> <li>• 21.47100 - Engineering Concepts</li> <li>• 21.47200 - Engineering Applications</li> </ul> | <p style="text-align: center;"><b>Electronics Pathway</b></p> <ul style="list-style-type: none"> <li>• 21.45200 - Foundations of Electronics3</li> <li>• 21.45300 - Advanced AC and DC Circuits</li> <li>• 21.45400 - Digital Electronics</li> </ul> | <p style="text-align: center;"><b>Engineering Drafting and Design Pathway</b></p> <ul style="list-style-type: none"> <li>• 48.54100 - Introduction to Drafting and Design</li> <li>• 48.54200 - Survey of Engineering Graphics</li> <li>• 48.54300 - 3-D Modeling and Analysis</li> </ul> |
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## Georgia Career Clusters

**Transportation, Distribution, and Logistics**

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| <p><b>Automobile Maintenance and Light Repair Pathway</b></p> <ul style="list-style-type: none"> <li>● 47.53110 - Basic Maintenance and Light Repair</li> <li>● 47.53210 - Maintenance and Light Repair 2</li> <li>● 47.53310 - Maintenance and Light Repair 3</li> </ul>   | <p><b>Automobile Service Technology Pathway</b></p> <ul style="list-style-type: none"> <li>● 47.43400 - Automobile Service Technology 4</li> <li>● 47.43500 - Automobile Service Technology 5</li> <li>● 47.43600 - Automobile Service Technology 6</li> </ul> | <p><b>Master Automobile Service Technology Pathway</b></p> <ul style="list-style-type: none"> <li>● 47.43700 - Automobile Service Technology 7</li> <li>● 47.43800 - Automobile Service Technology 8</li> <li>● 47.43900 - Automobile Service Technology Internship</li> </ul> |
| <p><b>Distribution and Logistics Pathway</b></p> <ul style="list-style-type: none"> <li>● 47.47010 - Logistics Fundamentals</li> <li>● 47.47110 - Logistics Operations</li> <li>● 47.47210 - Materials Management</li> </ul>  | <p><b>Marine Engine Technology Pathway</b></p> <ul style="list-style-type: none"> <li>● 47.58000 - Foundations of Marine Engine Technology</li> <li>● 47.58100 - Marine Electrical Systems</li> <li>● 47.58200 - Marine Engine Drive Systems</li> </ul>        | <p><b>Collision Repair - Painting and Refinishing Pathway</b></p> <ul style="list-style-type: none"> <li>● 47.56500 - Introduction to Collision Repair</li> <li>● 47.56600 - Painting and Refinishing I</li> <li>● 47.56700 - Painting and Refinishing II</li> </ul>           |
| <p><b>Collision Repair - Non-Structural Analysis and Damage Repair Pathway</b></p> <ul style="list-style-type: none"> <li>● 47.56500 - Introduction to Collision Repair</li> <li>● 47.56800 - Non Structural Analysis and Damage Repair I</li> <li>● 47.56900 - Non Structural Analysis and Damage Repair II</li> </ul> | <p><b>Flight Operations Pathway</b></p> <ul style="list-style-type: none"> <li>● 47.46000 - Fundamentals of Aerospace</li> <li>● 47.48800 - Flight Operations I</li> <li>● 47.48900 - Flight Operations II</li> </ul>  | <p><b>Aviation Maintenance Pathway</b></p> <ul style="list-style-type: none"> <li>● 47.46000 - Fundamentals of Aerospace</li> <li>● 47.46200 - Aviation Maintenance I</li> <li>● 47.46300 - Aviation Maintenance II</li> </ul>   |