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**2026 – 2027**

**PROGRAM GUIDE**

**HEALTHCARE AND HUMAN SERVICES CLUSTER**

**HEALTHCARE AND HUMAN SERVICES MIDDLE SCHOOL**

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**Alabama  
Achieves**

**ALABAMA STATE DEPARTMENT *of* EDUCATION**

ALABAMA STATE DEPARTMENT OF EDUCATION  
CAREER AND TECHNICAL EDUCATION  
LISA BRUCE, EDUCATION ADMINSTRATOR  
ANTHONY CALDWELL, EDUCATION ADMINISTRATOR  
BECKY CORNELIUS, EDUCATION SPECIALIST, HEALTHCARE  
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The Health Science cluster provides students with essential knowledge and skills for pursuing careers in the following five pathways: Therapeutic Services, Diagnostic Services, Health Informatics, Support Services, and Biotechnology Research and Development. Rigorous and challenging content may include a variety of instructional strategies, work-based learning experiences, and simulation.

**\*\*Courses highlighted in yellow are shared with other clusters. See “Shared Courses” table on page 3 for additional details.**

| Career Pathway Program | Health Science Program                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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|                        | (Must teach three courses from this program list within two years)                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                        | The Health Science Program prepares students for employment in careers that involve planning, managing, and providing healthcare services through professions in the following categories: therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Course Number          | Career Pathway Program Courses                                                                                                                                                                                                                                                                                          | Career Readiness Indicator (CRI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | In Demand Occupations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 14002G1001             | <b>Foundations of Health Science – Required Foundation Course/Health Education Substitute</b>                                                                                                                                                                                                                           | <ul style="list-style-type: none"> <li>Alabama Certified Employee (ACE)</li> <li>Alabama Fire College Public Safety Telecommunicator</li> <li>BACE – Biotechnology Aptitude and Competency Exam</li> <li>BLS Instructor</li> <li>Certified Billing and Coding Specialist (CBCS)</li> <li>Certified Clinical Medical Assistant (CCMA)</li> <li>Certified EKG Technician (CET)</li> <li>Certified Electronic Health Records Specialist (CEHRS)</li> <li>Certified Medical Administrative Assistant (CMAA)</li> <li>Certified Nursing Assistant (CNA)</li> <li>Certified Patient Care Technician/Assistant (CPCTA)</li> <li>Certified Pharmacy Technician (CPhT)</li> <li>Elanco Veterinary Medical Applications Certification</li> <li>Emergency Medical Dispatcher (EMD)</li> <li>Lifeguard Certification (American Lifeguard Association or American Red Cross)</li> <li>National Academy of Sports Medicine Certified Personal Trainer (NASM-CPT)</li> <li>National Emergency Medical Responder (EMR)</li> <li>National Emergency Medical Technician (EMT)</li> <li>Nursing Support Technician – Certified</li> <li>Skills for Success – Community Health Worker</li> <li>Skills for Success – Mental Health Worker</li> <li>Skills for Success – Veterinary Assistant</li> </ul> | <ul style="list-style-type: none"> <li>Cardiovascular Technologists &amp; Technicians</li> <li>Clinical Laboratory Technologists &amp; Technicians</li> <li>Dental Assistants</li> <li>Dental Hygienists</li> <li>Diagnostic Medical Sonographers</li> <li>Emergency Medical Technicians &amp; Paramedics</li> <li>Licensed Practical Nurses</li> <li>Medical Assistants</li> <li>Medical Equipment Preparers</li> <li>Medical &amp; Health Services Manager</li> <li>Medical Record Specialists</li> <li>Medical Secretaries &amp; Administrative Assistants</li> <li>Nurse Practitioners</li> <li>Nursing Assistant</li> <li>Occupational Therapy Assistants</li> <li>Ophthalmic Medical Technician</li> <li>Opticians, Dispensing</li> <li>Paramedics</li> <li>Pharmacists</li> <li>Pharmacy Technicians</li> <li>Phlebotomists</li> <li>Physical Therapists</li> <li>Physical Therapy Assistants</li> <li>Psychiatric Aides</li> <li>Psychiatric Technicians</li> <li>Radiologic Technologists</li> <li>Registered Nurses</li> <li>Respiratory Therapists</li> <li>Speech-Language Pathologists</li> <li>Surgical Technologists</li> <li>Veterinarians</li> <li>Veterinary Assistants &amp; Laboratory Animal Caretakers</li> <li>Veterinary Technologists &amp; Technicians</li> </ul> |
| 14255G1000             | Biomedical Innovation (PLTW)                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 14252G1010             | Biotechnology I – Science credit eligible                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 14252G1011             | Biotechnology II – Science credit eligible                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 14997G1010             | Career Pathway Project in Health Science                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 14999G1000             | CTE Lab in Health Science                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 14149G1000             | Diagnostic Services                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 14055G1010             | Emergency Medical Services                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 14055G1000             | Emergency Services and Management                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 15055G1000             | Forensic Science and Crime Scene Investigation – Science credit eligible                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 14298G1000             | Health Science Internship – 1 credit option                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 14298G2000             | Health Science Internship – 2 credit option                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 14299G1001             | Human Body Structures and Functions – Science credit eligible                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 14299G1002             | Human Body Systems–Science credit eligible (PLTW)                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 18105G1012             | Introduction to Veterinary Science                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 14299G1003             | Medical Interventions (PLTW)                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 14254G1010             | Medical Mathematics – Math credit eligible                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 14154G1000             | Medical Terminology                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 14051G2000             | Nurse Aide Training                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 14254G1015             | Operating Room Essentials                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 14051G1000             | Patient Care Technician                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 14152G1001             | Pharmacy Technician                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 14251G1001             | PLTW Capstone–Biomedical Science                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 14252G1002             | Principles of Biomedical Sciences (PLTW)                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 17049G1000             | Safety and Health Regulations                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 14062G1010             | Sports Medicine I                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 14062G1011             | Sports Medicine II                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 14099G1000             | Therapeutic Services                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 18105G1022             | Veterinary Science                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 14298G1001             | WBL Internship in Health Science                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

| Career Pathway Program                                                                                                                                                                                                                                                                                                                                   | PLTW Biomedical Science Program                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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|                                                                                                                                                                                                                                                                                                                                                          | The Health Science Program prepares students for employment in careers that involve planning, managing, and providing healthcare services through professions in the following categories: therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Course Number                                                                                                                                                                                                                                                                                                                                            | Career Pathway Program Courses                                                                                                                                                                                                                                                                                          | Career Readiness Indicator (CRI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | In Demand Occupations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 14255G1000                                                                                                                                                                                                                                                                                                                                               | Biomedical Innovation                                                                                                                                                                                                                                                                                                   | <ul style="list-style-type: none"><li>Alabama Certified Employee (ACE)</li><li>Alabama Fire College Public Safety Telecommunicator</li><li>BACE – Biotechnology Aptitude and Competency Exam</li><li>BLS Instructor</li><li>Certified Billing and Coding Specialist (CBCS)</li><li>Certified Clinical Medical Assistant (CCMA)</li><li>Certified EKG Technician (CET)</li><li>Certified Electronic Health Records Specialist (CEHRS)</li><li>Certified Medical Administrative Assistant (CMAA)</li><li>Certified Nursing Assistant (CNA)</li><li>Certified Patient Care Technician/Assistant (CPCTA)</li><li>Certified Pharmacy Technician (CPhT)</li><li>Elanco Veterinary Medical Applications Certification</li><li>Emergency Medical Dispatcher (EMD)</li><li>Lifeguard Certification (American Lifeguard Association or American Red Cross)</li><li>National Academy of Sports Medicine Certified Personal Trainer (NASM-CPT)</li><li>National Emergency Medical Responder (EMR)</li><li>National Emergency Medical Technician (EMT)</li><li>Nursing Support Technician – Certified</li><li>Skills for Success – Community Health Worker</li><li>Skills for Success – Mental Health Worker</li><li>Skills for Success – Veterinary Assistant</li></ul> | <ul style="list-style-type: none"><li>Cardiovascular Technologists &amp; Technicians</li><li>Clinical Laboratory Technologists &amp; Technicians</li><li>Dental Assistants</li><li>Dental Hygienists</li><li>Diagnostic Medical Sonographers</li><li>Emergency Medical Technicians &amp; Paramedics</li><li>Licensed Practical Nurses</li><li>Medical Assistants</li><li>Medical Equipment Preparers</li><li>Medical &amp; Health Services Manager</li><li>Medical Record Specialists</li><li>Medical Secretaries &amp; Administrative Assistants</li><li>Nurse Practitioners</li><li>Nursing Assistant</li><li>Occupational Therapy Assistants</li><li>Ophthalmic Medical Technician</li><li>Opticians, Dispensing</li><li>Paramedics</li><li>Pharmacists</li><li>Pharmacy Technicians</li><li>Phlebotomists</li><li>Physical Therapists</li><li>Physical Therapy Assistants</li><li>Psychiatric Aides</li><li>Psychiatric Technicians</li><li>Radiologic Technologists</li><li>Registered Nurses</li><li>Respiratory Therapists</li><li>Speech-Language Pathologists</li><li>Surgical Technologists</li><li>Veterinarians</li><li>Veterinary Assistants &amp; Laboratory Animal Caretakers</li><li>Veterinary Technologists &amp; Technicians</li></ul> |
| 14299G1002                                                                                                                                                                                                                                                                                                                                               | Human Body Systems – Science credit eligible                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 14299G1003                                                                                                                                                                                                                                                                                                                                               | Medical Interventions                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 14251G1001                                                                                                                                                                                                                                                                                                                                               | PLTW Capstone – Biomedical Science                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 14252G1002                                                                                                                                                                                                                                                                                                                                               | Principles of Biomedical Sciences                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>*NOTE:</b> This is a purchased curriculum. LEAs must contact <a href="#">PLTW</a> for additional information prior to utilizing the course codes listed above with a PLTW suffix, as it does require submission of a signed copy of the Terms and Conditions, participation in mandatory training and payment of a participation fee to the provider. |                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

| Career Pathway Program | Health Science Middle School Program                                                                                                                                                                                                                                                                                                                                                      |                                  |                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------|
|                        | Middle grades course content includes practices that promote health and wellness, disease prevention, legal and medical ethics, communication, medical math, medical terminology, and technical skills related to healthcare. These courses are designed to give students a variety of opportunities to apply their learning and demonstrate relevant interpersonal and workforce skills. |                                  |                       |
| Course Number          | Career Pathway Program Courses                                                                                                                                                                                                                                                                                                                                                            | Career Readiness Indicator (CRI) | In Demand Occupations |
| 22151G0608             | Career Explorations                                                                                                                                                                                                                                                                                                                                                                       | N/A                              | *See List Above       |
| 14001G0638             | Health Science Discovery                                                                                                                                                                                                                                                                                                                                                                  |                                  |                       |
| 14001G0618             | Healthcare Career Exploration                                                                                                                                                                                                                                                                                                                                                             |                                  |                       |
| 14001G0728             | Medical Laboratory Science                                                                                                                                                                                                                                                                                                                                                                |                                  |                       |

| Career Pathway Program                                                                                                                                                                                                                                                                                                                                   | Project Lead the Way Middle School Program                                                                                                                                                                                                                                                                 |                                  |                       |
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|                                                                                                                                                                                                                                                                                                                                                          | Students play the role of real-life medical detectives as they collect and analyze medical data to diagnose disease. They solve medical mysteries through hands-on projects and labs, measure and interpret vital signs, examine nervous system structure and function, and investigate disease outbreaks. |                                  |                       |
| Course Number                                                                                                                                                                                                                                                                                                                                            | Career Pathway Program Courses                                                                                                                                                                                                                                                                             | Career Readiness Indicator (CRI) | In Demand Occupations |
| 14001G0608                                                                                                                                                                                                                                                                                                                                               | Medical Detectives                                                                                                                                                                                                                                                                                         | N/A                              | *See List Above       |
| <b>*NOTE:</b> This is a purchased curriculum. LEAs must contact <a href="#">PLTW</a> for additional information prior to utilizing the course codes listed above with a PLTW suffix, as it does require submission of a signed copy of the Terms and Conditions, participation in mandatory training and payment of a participation fee to the provider. |                                                                                                                                                                                                                                                                                                            |                                  |                       |

**2026-2027 Subject and Personnel Codes**

| Health Science Cluster Courses |                                                                                        |               |                                            |
|--------------------------------|----------------------------------------------------------------------------------------|---------------|--------------------------------------------|
| Course Number                  | Course Name                                                                            | Course Number | Course Name                                |
| 14255G1000                     | Biomedical Innovation (PLTW)                                                           | 14254G1010    | Medical Mathematics – Math credit eligible |
| 14252G1010                     | Biotechnology I – Science credit eligible                                              | 14299G1003    | Medical Interventions (PLTW)               |
| 14252G1011                     | Biotechnology II – Science credit eligible                                             | 14154G1000    | Medical Terminology                        |
| 14997G1010                     | Career Pathway Project in Health Science                                               | 14051G2000    | Nurse Aide Training                        |
| 14999G1000                     | CTE Lab in Health Science                                                              | 14254G1015    | Operating Room Essentials                  |
| 14149G1000                     | Diagnostic Services                                                                    | 14051G1000    | Patient Care Technician                    |
| 14055G1010                     | Emergency Medical Services                                                             | 14150012G1    | Pharmacy Technician                        |
| 14055G1000                     | Emergency Services and Management                                                      | 14251G1001    | PLTW Capstone– Biomedical Science          |
| 15055G1000                     | Forensic Science and Crime Scene Investigation – Science credit eligible               | 14252G1002    | Principles of Biomedical Sciences (PLTW)   |
| 14002G1001                     | Foundations of Health Science – Required Foundation Course/Health Education Substitute | 14062G1010    | Sports Medicine I                          |
| 14298G1000                     | Health Science Internship – 1 credit option                                            | 14062G1011    | Sports Medicine II                         |
| 14298G2000                     | Health Science Internship – 2 credit option                                            | 14099G1000    | Therapeutic Services                       |
| 18105G1012                     | Introduction to Veterinary Science                                                     | 18105G1022    | Veterinary Science                         |
| 14299G1001                     | Human Body Structures and Functions – Science credit eligible                          | 14298G1001    | WBL Internship in Health Science           |
| 14299G1002                     | Human Body Systems (PLTW) – Science credit eligible                                    |               |                                            |

| Health Science Middle School Program Courses |                               |
|----------------------------------------------|-------------------------------|
| Course Number                                | Course Name                   |
| 22151G0608                                   | Career Explorations           |
| 14001G0638                                   | Health Science Discovery      |
| 14001G0618                                   | Healthcare Career Exploration |
| 14001G0608                                   | Medical Detectives (PLTW)     |
| 14001G0728                                   | Medical Laboratory Science    |

| Shared Courses |                                                |                                                                                                                                            |                                |
|----------------|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Course Number  | Course Name                                    | Cluster(s)                                                                                                                                 | Required Year to Implement COS |
| 22151G0608     | Career Explorations                            | Agriculture, Food and Natural Resources<br><b>Business, Management, and Administration</b><br>Law, Public Safety, Corrections and Security | 2021-2022                      |
| 14055G1000     | Emergency Services and Management              | Law, Public Safety, Corrections and Security                                                                                               | 2021-2022                      |
| 15055G1000     | Forensic Science and Crime Scene Investigation | Law, Public Safety, Corrections and Security                                                                                               | 2021-2022                      |
| 18105G1012     | Introduction to Veterinary Science             | Agriculture, Food and Natural Resources                                                                                                    | 2021-2022                      |
| 17049G1000     | Safety and Health Regulations                  | Architecture and Construction<br><b>Manufacturing</b><br>Transportation, Distribution and Logistics                                        | 2022-2023                      |
| 18105G1022     | Veterinary Science                             | Agriculture, Food and Natural Resources                                                                                                    | 2021-2022                      |

**General Note:** Course descriptions and content standards for most courses are located on the Alabama Department of Education website at:

[Alabama Achieves](#) | [Career and Technical Education](#) | [Courses of Study](#).

## College and Career Readiness Indicator Course Matrix

| Program Name           | Health Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PLTW Biomedical Science                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Foundation Course(s)   | Foundations of Health Science – Required Foundation Course                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Foundations of Health Science (not required for the PLTW Biomed program)                                                              |
| Concentrator Course(s) | Biomedical Innovation (PLTW)<br>Biotechnology I<br>Biotechnology II<br>Diagnostic Services<br>Emergency Medical Services<br>Emergency Services and Management<br>Forensic Science and Crime Scene Investigation<br>Human Body Structures and Functions<br>Human Body Systems (PLTW)<br>Introduction to Veterinary Science<br>Medical Interventions (PLTW)<br>Medical Mathematics<br>Medical Terminology<br>Nurse Aide Training<br>Operating Room Essentials<br>Patient Care Technician<br>Pharmacy Technician<br>Principles of Biomedical Sciences (PLTW)<br>Safety and Health Regulations<br>Sports Medicine I<br>Sports Medicine II<br>Therapeutic Services<br>Veterinary Science | Biomedical Innovation (PLTW)<br>Human Body Systems (PLTW)<br>Medical Interventions (PLTW)<br>Principles of Biomedical Sciences (PLTW) |
| Capstone Course(s)     | Career Pathway Project in Health Science<br>CTE Lab in Health Science<br>Health Science Internship<br>PLTW Capstone – Biomedical Science<br>WBL Internship in Health Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PLTW Capstone – Biomedical Science                                                                                                    |

To meet the CCR Indicator as a CTE completer, a student must earn three (3.0) credits with the grade of a “C” or higher in CTE courses that are part of an approved CTE program of study. Additional requirements are outlined in [FY25-2048 Updates on Career and Technical Education Completer Status](#).

This matrix is intended for general guidance on the CCR completer status and is subject to change. For all CTE programming information, please refer to the CTE Cluster specific Program Guide. It contains a list of approved CTE programs, valid course numbers, required prerequisite courses, approved Career Readiness Indicators (CRIs) and in demand occupations.

\*Courses are listed in alphabetical order, not in sequential order.

Human Services focuses on the elements that make up the human environment and the study of human interaction, development, nutrition, and design. Students may choose to pursue studies in any one of the following programs: Clothing, Textiles, and Interior Design; Consumer Services; Family Studies and Community Services; and Nutrition and Wellness after successfully completing the required foundation course, Family and Consumer Sciences. **\*\*Courses highlighted in yellow are shared with other clusters. See “Shared Courses” table on page 6 for additional details.**

| Career Pathway Program | <b>Consumer Services Program</b><br><b>(Must teach three courses from this program list within two years)</b><br>This program focuses on the role of economics and financial planning in all life stages. Students are introduced to fundamental financial concepts for individuals and families, including insurance, taxes, savings and retirement, and banking services. The program’s goal is to prepare students to pursue higher education and certifications in fields that provide essential knowledge and services to protect the resources of families, business, and communities. |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        | Course Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Career Pathway Program Courses                                   | Career Readiness Indicator (CRI)<br><br>In Demand Occupations                                                                                                                                                                                                                                                                                                                           |
|                        | 19251G1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Family and Consumer Sciences – Required Foundation Course</b> | <ul style="list-style-type: none"> <li>• ASK Institute – Concepts of Business Management</li> <li>• ASK Institute – Concepts of Entrepreneurship</li> <li>• National Retail Federation – National Professional Certification in Customer Service and Sales</li> <li>• Skills for Success – Customer Service</li> <li>• Skills for Success– Mastering the Customer Experience</li> </ul> |
|                        | 12061E1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>AP Business with Personal Finance</b>                         |                                                                                                                                                                                                                                                                                                                                                                                         |
|                        | 19997G1001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Career Pathway Project in Human Services                         |                                                                                                                                                                                                                                                                                                                                                                                         |
|                        | 19262G1030                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Consumer Affairs                                                 |                                                                                                                                                                                                                                                                                                                                                                                         |
|                        | 19262G1031                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Consumer Economics                                               |                                                                                                                                                                                                                                                                                                                                                                                         |
|                        | 19256G1020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Creative Design and Production</b>                            |                                                                                                                                                                                                                                                                                                                                                                                         |
|                        | 19147G1002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>CTE Lab in Human Services</b>                                 |                                                                                                                                                                                                                                                                                                                                                                                         |
|                        | 19262G1032                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Family Financial Planning                                        |                                                                                                                                                                                                                                                                                                                                                                                         |
|                        | 19299G1010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Home Renovation and Sales</b>                                 |                                                                                                                                                                                                                                                                                                                                                                                         |
|                        | 19998G1050                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Internship in Human Services                                     |                                                                                                                                                                                                                                                                                                                                                                                         |
|                        | 19299G1015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Small Business in FCS</b>                                     |                                                                                                                                                                                                                                                                                                                                                                                         |

| Career Pathway Program | <b>Family Studies and Community Services Program</b><br><b>(Must teach three courses from this program list within two years)</b><br>This program is designed to prepare students for careers that serve the most vulnerable members of society, including children, special populations, and families in crisis. Students in this program study human growth and development, the role of caregivers in human development, and the resources available to those in need. |                                                                  |                                                                                                                                                                                                                                                                           |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        | Course Number                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Career Pathway Program Courses                                   | Career Readiness Indicator (CRI)<br><br>In Demand Occupations                                                                                                                                                                                                             |
|                        | 19251G1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Family and Consumer Sciences – Required Foundation Course</b> | <ul style="list-style-type: none"> <li>• ServSafe Food Handler</li> <li>• ServSafe Manager</li> <li>• Skills for Success – Food and Beverage</li> <li>• Skills for Success – Customer Service</li> <li>• Skills for Success– Mastering the Customer Experience</li> </ul> |
|                        | 19997G1001                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Career Pathway Project in Human Services                         |                                                                                                                                                                                                                                                                           |
|                        | 19052G1010                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Child Development                                                |                                                                                                                                                                                                                                                                           |
|                        | 19054G1001                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Child Services                                                   |                                                                                                                                                                                                                                                                           |
|                        | 19147G1002                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>CTE Lab in Human Services</b>                                 |                                                                                                                                                                                                                                                                           |
|                        | 19251G1010                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Family and Community Services                                    |                                                                                                                                                                                                                                                                           |
|                        | 19262G1032                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Family Financial Planning                                        |                                                                                                                                                                                                                                                                           |
|                        | 19259G1010                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Family Wellness                                                  |                                                                                                                                                                                                                                                                           |
|                        | 19261G1010                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Human Lifespan Development                                       |                                                                                                                                                                                                                                                                           |
|                        | 19998G1050                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Internship in Human Services                                     |                                                                                                                                                                                                                                                                           |
|                        | 19253G1002                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Nutrition and Food                                               |                                                                                                                                                                                                                                                                           |

| Career Pathway Program | <b>Nutrition and Wellness</b><br><b>(Must teach three courses from this program list within two years)</b><br>This program looks closely at food as an essential part of human health and the human experience. Courses in this program explore food preparation, food product development and marketing, and the flavors and cultural significance of foods from around the globe. The goal of this program is to prepare students for post-secondary education and careers in a wide variety of fields, from food technology to dietetics. |                                                                  |                                                                                                                                                                                                                                                                           |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        | Course Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Career Pathway Program Courses                                   | Career Readiness Indicator (CRI)<br><br>In Demand Occupations                                                                                                                                                                                                             |
|                        | 19251G1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Family and Consumer Sciences – Required Foundation Course</b> | <ul style="list-style-type: none"> <li>• ServSafe Food Handler</li> <li>• ServSafe Manager</li> <li>• Skills for Success – Food and Beverage</li> <li>• Skills for Success – Customer Service</li> <li>• Skills for Success– Mastering the Customer Experience</li> </ul> |
|                        | 19997G1001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Career Pathway Project in Human Services                         |                                                                                                                                                                                                                                                                           |
|                        | 19147G1002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>CTE Lab in Human Services</b>                                 |                                                                                                                                                                                                                                                                           |
|                        | 19251G1001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Cuisine and Media Production                                     |                                                                                                                                                                                                                                                                           |
|                        | 16056G1001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Cultural Foods</b>                                            |                                                                                                                                                                                                                                                                           |
|                        | 16202G1001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Event Planning and Management</b>                             |                                                                                                                                                                                                                                                                           |
|                        | 19259G1010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Family Wellness                                                  |                                                                                                                                                                                                                                                                           |
|                        | 19253G1010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Food and Wellness                                                |                                                                                                                                                                                                                                                                           |
|                        | 19254G1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Food Safety and Microbiology – Science credit eligible</b>    |                                                                                                                                                                                                                                                                           |
|                        | 19254G1010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Food Science – Science credit eligible                           |                                                                                                                                                                                                                                                                           |
|                        | 19998G1050                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Internship in Human Services                                     |                                                                                                                                                                                                                                                                           |
|                        | 19253G1002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Nutrition and Food                                               |                                                                                                                                                                                                                                                                           |
|                        | 19253G1001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Sports Nutrition                                                 |                                                                                                                                                                                                                                                                           |

| Healthcare and Human Services Cluster Courses |                                                                  |               |                                                        |
|-----------------------------------------------|------------------------------------------------------------------|---------------|--------------------------------------------------------|
| Course Number                                 | Course Name                                                      | Course Number | Course Name                                            |
| 12061E1000                                    | AP Business with Personal Finance                                | 19262G1032    | Family Financial Planning                              |
| 19263G1001                                    | Architecture and Interior Design I                               | 19259G0500    | Family Wellness (½ credit)                             |
| 19997G1001                                    | Career Pathway Project in Human Services                         | 19259G1010    | Family Wellness                                        |
| 19052G1010                                    | Child Development                                                | 19256G0501    | Fashion Fundamentals (½ credit)                        |
| 19054G1001                                    | Child Services                                                   | 19253G1010    | Food and Wellness                                      |
| 19262G0501                                    | Consumer Affairs (½ credit)                                      | 19254G1000    | Food Safety and Microbiology – Science credit eligible |
| 19262G1030                                    | Consumer Affairs                                                 | 19254G1010    | Food Science – Science credit eligible                 |
| 19262G0511                                    | Consumer Economics (½ credit)                                    | 19299G1010    | Home Renovation and Sales                              |
| 19262G1031                                    | Consumer Economics                                               | 19261G0510    | Human Lifespan Development (½ credit)                  |
| 19256G1020                                    | Creative Design and Production                                   | 19261G1010    | Human Lifespan Development                             |
| 19147G1002                                    | CTE Lab in Human Services                                        | 19253G0502    | Nutrition and Food (½ credit)                          |
| 19251G1001                                    | Cuisine and Media Production                                     | 19253G1002    | Nutrition and Food                                     |
| 16056G1001                                    | Cultural Foods                                                   | 19299G1015    | Small Business in FCS                                  |
| 16202G1001                                    | Event Planning and Management                                    | 19253G1001    | Sports Nutrition                                       |
| 19251G1010                                    | Family and Community Services                                    | 19998G1050    | Internship in Human Services                           |
| 19251G1000                                    | Family and Consumer Sciences – <b>Required Foundation Course</b> |               |                                                        |
| 19262G0521                                    | Family Financial Planning (½ credit)                             |               |                                                        |

| Middle School Program Courses |                                              |
|-------------------------------|----------------------------------------------|
| Course Number                 | Course Name                                  |
| 19001G0618                    | Careers in Family and Consumer Sciences      |
| 19251G0608                    | Exploring Family and Consumer Sciences       |
| 19251G0618                    | Fundamentals of Family and Consumer Sciences |

| Shared Courses |                                                                  |                                                                                                                                         |                                |
|----------------|------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Course Number  | Course Name                                                      | Cluster(s)                                                                                                                              | Required Year to Implement COS |
| 19997G1001     | Career Pathway Project in Human Services                         | Arts, Entertainment, and Design                                                                                                         |                                |
| 16056G1001     | Cultural Foods                                                   | Hospitality and Tourism                                                                                                                 | 2024-2025                      |
| 19256G1020     | Creative Design and Production                                   | Arts, Entertainment, and Design                                                                                                         |                                |
| 19147G1002     | CTE Lab in Human Services                                        | Arts, Entertainment, and Design                                                                                                         |                                |
| 16202G1001     | Event Planning and Management                                    | Business Management and Administration<br>Hospitality & Tourism<br>Arts, Entertainment and Design                                       | 2022-2023                      |
| 19251G1000     | Family and Consumer Sciences – <b>Required Foundation Course</b> | Arts, Entertainment, and Design                                                                                                         |                                |
| 19254G1000     | Food Safety and Microbiology                                     | Agriculture, Food and Natural Resources<br>Hospitality & Tourism                                                                        | 2021-2022                      |
| 19299G1010     | Home Renovation and Sales                                        | Arts, Entertainment, and Design                                                                                                         |                                |
| 19299G1015     | Small Business in FCS                                            | Hospitality and Tourism<br>Arts, Entertainment, and Design                                                                              | 2025-2026                      |
| 12061E1000     | AP Business with Personal Finance                                | Financial Services, Management and Entrepreneurship, Hospitality Events and Tourism, Marketing and Sales, Healthcare and Human Services |                                |

**General Note:** Course descriptions and content standards for most courses are located on the Alabama Department of Education website at: [Alabama Achieves | Career and Technical Education | Courses of Study](#)

## College and Career Readiness Indicator Course Matrix

| Program Name           | Family Studies and Community Services                                                                                                                                    | Nutrition and Wellness                                                                                                                                                                                            | Consumer Services                                                                                                                                                                                |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Foundation Course(s)   | Family and Consumer Sciences – Required Foundation Course                                                                                                                | Family and Consumer Sciences – Required Foundation Course                                                                                                                                                         | Family and Consumer Sciences – Required Foundation Course                                                                                                                                        |
| Concentrator Course(s) | Child Development<br>Child Services<br>Family and Community Services<br>Family Financial Planning<br>Family Wellness<br>Human Lifespan Development<br>Nutrition and Food | Cuisine and Media Production<br>Cultural Foods<br>Event Planning and Management<br>Family Wellness<br>Food and Wellness<br>Food Safety and Microbiology<br>Food Science<br>Nutrition and Food<br>Sports Nutrition | AP Business with Personal Finance<br>Consumer Affairs<br>Consumer Economics<br>Creative Design and Production<br>Family Financial Planning<br>Home Renovation and Sales<br>Small Business in FCS |
| Capstone Course(s)     | Career Pathway Project in Human Services<br>CTE Lab in Human Services<br>Internship in Human Services                                                                    | Career Pathway Project in Human Services<br>CTE Lab in Human Services<br>Internship in Human Services                                                                                                             | Career Pathway Project in Human Services<br>CTE Lab in Human Services<br>Internship in Human Services                                                                                            |

To meet the CCR Indicator as a CTE completer, a student must earn three (3.0) credits with the grade of a “C” or higher in CTE courses that are part of an approved CTE program of study. Additional requirements are outlined in [FY25-2048 Updates on Career and Technical Education Completer Status](#).

This matrix is intended for general guidance on the CCR completer status and is subject to change. For all CTE programming information, please refer to the CTE Cluster specific Program Guide. It contains a list of approved CTE programs, valid course numbers, required prerequisite courses, approved Career Readiness Indicators (CRIs) and in demand occupations.

**\*Courses are listed in alphabetical order, not in sequential order.**

This cluster prepares students for employment in career pathways that relate to personal care services, such as cosmetology, barbering, esthetics, nail care, and natural hairstyling. Rigorous instruction is provided to equip students with knowledge and skills needed in preparation for credentials, articulation, and/or further education.

| Education, and/or further education. |                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Career Pathway Program               | Cosmetology and Barbering Program<br>(Must teach three courses from this program list within two years)<br>The Cosmetology and Barbering program in the Human Services cluster focuses on preparing students for employment in careers that relate to personal grooming services, customer relations, retail sales, and salon management and ownership. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
| Course Number                        | Career Pathway Program Courses                                                                                                                                                                                                                                                                                                                          | Career Readiness Indicator (CRI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | In Demand Occupations                                                                                                                                                    |
| 19102G1001                           | Barbering Fundamentals – Required Foundation Course for Pathway                                                                                                                                                                                                                                                                                         | <ul style="list-style-type: none"><li>• Alabama Certified Employee (ACE)</li><li>• Barber Licensure</li><li>• Certipoint – Entrepreneurship and Small Business (must hold concentrator status)</li><li>• Cosmetologist Licensure</li><li>• Esthetician Licensure</li><li>• Lash Lift and Brow Lamination with Tint</li><li>• Manicurist Licensure</li><li>• National Retail Federation – National Professional Certification in Customer Service and Sales</li><li>• Natural Hairstylist Licensure</li><li>• Skills for Success– Mastering the Customer Experience</li></ul> | <ul style="list-style-type: none"><li>• Hairdressers, Hairstylists, &amp; Cosmetologists</li><li>• Manicurists and Pedicurists</li><li>• Skin Care Specialists</li></ul> |
| 19147G1006                           | Career Pathway Project in Cosmetology and Barbering                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
| 19103G1002                           | Chemical Services                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
| 19147G1005                           | CTE Lab in Cosmetology and Barbering                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
| 19103G1001                           | Hair Coloring                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
| 19107G1003                           | Salon Practices and Management                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
| 19149G1000                           | State Board Practicum                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
| OR                                   |                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
| 19101G1001                           | Cosmetology Fundamentals – Required Foundation Course for Pathway                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
| 19147G1006                           | Career Pathway Project in Cosmetology and Barbering                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
| 19103G1002                           | Chemical Services                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
| 19147G1005                           | CTE Lab in Cosmetology and Barbering                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
| 19103G1001                           | Hair Coloring                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
| 19107G1003                           | Salon Practices and Management                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
| 19149G1000                           | State Board Practicum                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
| OR                                   |                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
| 19105G1005                           | Nail Technology I– Required Foundation Course for Pathway                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
| 19147G1006                           | Career Pathway Project in Cosmetology and Barbering                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
| 19147G1005                           | CTE Lab in Cosmetology and Barbering                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
| 19105G1006                           | Nail Technology II                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
| OR                                   |                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
| 19101G1001                           | Cosmetology Fundamentals – Required Foundation Course for Pathway                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
| 19147G1006                           | Career Pathway Project in Cosmetology and Barbering                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
| 19147G1005                           | CTE Lab in Cosmetology and Barbering                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
| 19103G1005                           | Natural Hairstyling                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
| OR                                   |                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
| 19106G1001                           | Spa Techniques I – Required Foundation Course for Pathway                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
| 19147G1006                           | Career Pathway Project in Cosmetology and Barbering                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
| 19147G1005                           | CTE Lab in Cosmetology and Barbering                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |
| 19106G1002                           | Spa Techniques II                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                          |

### **2026-2027 Subject and Personnel Codes**

| <b>Cosmetology and Barbering Program Courses</b> |                                                                          |
|--------------------------------------------------|--------------------------------------------------------------------------|
| <b>Course Number</b>                             | <b>Course Name</b>                                                       |
| 19102G1001                                       | <b>Barbering Fundamentals – Required Foundation Course for Pathway</b>   |
| 19147G1006                                       | Career Pathway Project in Cosmetology and Barbering                      |
| 19103G1002                                       | Chemical Services                                                        |
| 19101G1001                                       | <b>Cosmetology Fundamentals – Required Foundation Course for Pathway</b> |
| 19147G1005                                       | CTE Lab in Cosmetology and Barbering                                     |
| 19103G1001                                       | Hair Coloring                                                            |
| 19105G1005                                       | <b>Nail Technology I – Required Foundation Course for Pathway</b>        |
| 19105G1006                                       | Nail Technology II                                                       |
| 19103G1005                                       | Natural Hairstyling                                                      |
| 19107G1003                                       | Salon Practices and Management                                           |
| 19106G1001                                       | <b>Spa Techniques I – Required Foundation Course for Pathway</b>         |
| 19106G1002                                       | Spa Techniques II                                                        |
| 19149G1000                                       | State Board Practicum                                                    |

**General Note:** Course descriptions and content standards for most courses are located on the Alabama Department of Education website at: [Alabama Achieves | Career and Technical Education | Courses of Study](#).

## College and Career Readiness Indicator Course Matrix

| Program Name                  | Cosmetology and Barbering                                                                                                              |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Foundation Course(s)</b>   | Barbering Fundamentals<br>Cosmetology Fundamentals<br>Nail Technology I<br>Spa Techniques I                                            |
| <b>Concentrator Course(s)</b> | Chemical Services<br>Hair Coloring<br>Nail Technology II<br>Natural Hairstyling<br>Salon Practices and Management<br>Spa Techniques II |
| <b>Capstone Course(s)</b>     | Career Pathway Project in Cosmetology and Barbering<br>CTE Lab in Cosmetology and Barbering<br>State Board Practicum                   |

To meet the CCR Indicator as a CTE completer, a student must earn three (3.0) credits with the grade of a “C” or higher in CTE courses that are part of an approved CTE program of study. Additional requirements are outlined in [FY25-2048 Updates on Career and Technical Education Completer Status](#).

This matrix is intended for general guidance on the CCR completer status and is subject to change. For all CTE programming information, please refer to the CTE Cluster specific Program Guide. It contains a list of approved CTE programs, valid course numbers, required prerequisite courses, approved Career Readiness Indicators (CRIs) and in demand occupations.

**\*Courses are listed in alphabetical order, not in sequential order.**