

Law, Public Safety, Corrections & Security

Basic knowledge and skills for careers in law enforcement, the legal system, public safety, corrections, security, and protective services are careers for which students prepare when taking this cluster.

Corrections Services Pathway (Savannah Tech @ LCCA) *TCC

- 43.45000 Introduction to Law, Public Safety, Corrections, & Security
- 43.45100 Criminal Justice Essentials
- 43.45700 Applications of Corrections

Legal Services/Applications of the Law Pathway (Savannah Tech @ LCCA) *TCC

- 43.45000 Introduction to Law, Public Safety, Corrections, & Security
- 43.45400 Essentials of Legal Services
- 43.45500 Applications of Law



Firefighting Pathway (Savannah Tech Course @ LCCA) *TCC (Seniors Only)

- 43.46004 Essentials of Fire & Emergency Services
- 43.44004 Applications of Firefighting
- 43.0A574 Basic Firefighter
- 43.0A674 Hazardous Materials Operations

Science, Technology, Engineering, & Mathematics

Educational programs in this cluster prepare students to plan, manage, and provide scientific research and professional and technical services (physical science, social science and engineering) including laboratory testing services and research and development services.

Engineering & Technology Pathway (LCCA)

- 21.42500 Foundations of Engineering & Technology
- 21.47100 Engineering Concepts
- 21.47200 Engineering Applications



Transportation, Distribution, & Logistics

Skills developed through this cluster assist students for the planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water. Related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment, and facility maintenance are included as well.

Automobile Maintenance & Light Repair Pathway (LCCA @ Savannah Tech) *TCC

- 47.53110 Basic Maintenance & Light Repair
- 47.53210 Maintenance & Light Repair 2
- 47.53310 Maintenance & Light Repair 3



Aviation Maintenance Pathway (2nd Semester Savannah Tech @ LCCA) *TCC

- 47.46000 Fundamentals of Aerospace
- 47.0A674 Structural Fundamentals
- 47.0A694 Aerodynamics

Workforce Ready

Students in this pathway will be provided heavy exposure to all aspects of workplace readiness and employability skills through hands-on class activities, project-based learning, and frequent interaction with business and industry. Students will have the opportunity to develop entry level job skills in their chosen fields and earn credentials of value upon completion of the third course. Workforce Ready may serve as a pathway to assist students in realizing true career aspirations and may serve as a bridge to other CTAE career pathways.

Workforce Ready Pathway (BI & LCHS)

- 32.43000 Introduction to Career Competencies
- 32.43100 Career Competencies
- 32.43200 Advanced Career Competencies



Other Career Cluster Pathways in Advanced Academics, Fine Arts, & World Languages



Educational programs in these pathway areas prepare students for career opportunities which will lead to multiple postsecondary options for advanced studies and skills. Students will be able to use these skills in a university or college setting and/or numerous career fields.

Advanced Academic Pathway in English Language Arts (BI & LCHS)

- 1. Earn four units of credit in English Language Arts (ELA); AND
- 2. At least one Advanced Placement (AP) ELA course, or one International Baccalaureate ELA course, or one postsecondary course that fulfills a core graduation requirement in ELA; AND
- 3. Complete two units of sequential course credit in one world language.

Advanced Academic Pathway in Mathematics (BI & LCHS)

- 1. Earn four units of credit in mathematics; AND
- 2. At least one Advanced Placement (AP) math course, or one International Baccalaureate math course, or one postsecondary course that fulfills a core graduation requirement in math; AND
- 3. Complete two units of sequential course credit in one world language.

Advanced Academic Pathway in Science (BI & LCHS)

- 1. Earn four units of credit in science; AND
- 2. At least one Advanced Placement (AP) science course, or one International Baccalaureate science, course or one postsecondary course that fulfills a core graduation requirement in science; AND
- 3. Complete two units of sequential course credit in one world language.

Advanced Academic Pathway in Social Studies (BI & LCHS)

- 1. Earn four units of credit in social studies; AND
- 2. At least one Advanced Placement (AP) social studies course, or one International Baccalaureate social studies course or one postsecondary course that fulfills a core graduation requirement in social studies; AND
- 3. Complete two units of sequential course credit in one world language.

Fine Arts Pathway (BI, LCCA & LCHS)

- 1. Complete three courses from Band, Dance, Chorus, Photography, Piano/Keyboard, Theatre, or Visual Arts (Includes Drawing/Painting, or Sculpture)
- 2. All three courses must be taken within ONE of the Fine Arts Pathways in the above list.

World Language Pathway (BI & LCHS)

- 1. Earn three units of credit in one world language; AND
- 2. Pathway will include three distinct high school courses in one world language or include two distinct high school courses in one world language and a third reflecting an AP course (where AP courses in world language are offered), or a third reflecting an IB course (where IB courses in world language are offered), or one postsecondary enrollment course in the same world language reflecting a third course at the college level.

Legend

Titles in BLUE boxes are **Career Clusters**
Titles underlined are **Career Pathways**
To complete a pathway, students must complete three sequential courses within the designated pathway.

Pathway Availability: Students may take pathway courses at their base high school and/or LCCA as scheduling permits. Other options may be available with guidance counselor recommendation and principal approval only. Dual enrollment courses are offered when required minimum enrollment numbers are met.

BI - Bradwell Institute
LCHS - Liberty County High School
LCCA - Liberty College and Career Academy
Savannah Tech- Savannah Technical College
***TCC- Technical Certificate of Credit through Savannah Technical College**

Career, Technical & Agricultural Education



See your school counselor for information on enrolling in these classes.
Call 912-876-4904 with questions.

Liberty County School System
www.liberty.k12.ga.us

The Liberty County School System does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs and activities.



Agriculture, Food, & Natural Resources

Opportunities for students with solid agricultural education skills within this cluster are plentiful in fields such as agriscience, animal science, biotechnology, turf management, landscaping, food science, forestry, environmental science, agricultural engineering, agribusiness management, and veterinary science.

Forestry/Wildlife Systems Pathway (BI)

02.47100 Basic Agricultural Science
03.45100 Forest Science
03.45300 Wildlife Management

Plant & Landscape Systems Pathway (LCHS)

02.47100 Basic Agricultural Science
01.46100 General Horticulture & Plant Science
01.47000 Nursery & Landscape

Horticulture & Forest Science Pathway (BI)

02.47100 Basic Agricultural Science
03.45100 Forest Science
01.46100 General Horticulture/Plant Science

Plant/Floriculture Systems Pathway (BI & LCHS)

02.47100 Basic Agricultural Science
01.46100 General Horticulture & Plant Science
01.46200 Floriculture Production & Management

Architecture & Construction

Students pursuing coursework in this cluster prepare for careers in designing, planning, managing, building, and maintaining the built environment to include pathways such as carpentry, architectural drawing and design, electrical, plumbing, machining operations, welding, and industrial maintenance.

Carpentry Pathway (LCCA)

46.54500 Industry Fundamentals & Occupational Safety
46.54600 Introduction to Construction
46.55000 Carpentry I

Welding Pathway (Savannah Tech Course @ LCCA) *TCC

48.55100 Welding IA
48.0A764 Welding IB
48.58200 Sheet Metal I



Arts, AV/Technology & Communications

Designing, producing, exhibiting, writing, and publishing multimedia content including graphic design and printing production, audio video technology, and film production are only a few of the career pathways available to students within this cluster.

Audio/Video Technology & Film Pathway (LCCA)

10.51810 Audio/Video Technology & Film
10.51910 Audio/Video Technology & Film II
10.52010 Audio/Video Technology & Film III

Graphic Design Pathway (LCCA)

48.56100 Introduction to Graphics & Design
48.56200 Graphic Design & Production
48.52800 Advanced Graphic Design

Animation & Digital Media Pathway (LCCA)

48.42100 Introduction to Digital Media
48.42200 Principles & Concepts of Animation
48.42300 Advanced Animation, Game & App Design



Business, Management, & Administration

Programs in this cluster help prepare students for careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations in areas such as business communications, entrepreneurship, and human resources management.

Business & Technology Pathway (BI)

07.44130 Introduction to Business & Technology
07.44100 Business & Technology
07.45100 Business Communications

Entrepreneurship Pathway (BI & LCHS)

07.44130 Introduction to Business & Technology
06.41500 Legal Environment of Business
06.41610 Entrepreneurship



Education & Training

Students taking courses in this cluster prepare to plan, manage, and provide education and training services and related learning support services such as administration, teaching/training, administrative support, and professional support in either the teaching field and/or early childhood care and education field.

Early Childhood Care & Education I Pathway (BI & LCHS)

20.52810 Early Childhood Education I
20.42400 Early Childhood Education II
20.42500 Early Childhood Education III

Early Childhood Care & Education II Pathway (BI & LCHS)

20.52810 Early Childhood Education I
20.42400 Early Childhood Education II
20.42600 Early Childhood Education Practicum

Teaching as a Profession Pathway (LCCA)

13.01100 Examining the Teaching Profession
13.01200 Contemporary Issues in Education
13.01300 Teaching as a Profession Practicum



Finance

Educational programs in this cluster prepare students to plan and implement related services for financial and investment planning, banking, insurance, and business financial management.

Business Accounting Pathway (LCHS)

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



Government & Public Administration

Students taking courses in this cluster prepare to plan and execute government functions at the local, state, and federal levels, including governance, national security, foreign service, planning, revenue and taxation, and regulations.

JROTC – Army (BI & LCHS)

Note: 3 units completes the pathway, but students should complete at least three full years of credit in order to be eligible for military academy appointments or pay incentives upon enlistment. For additional details, contact the JROTC instructors on campus.

Health Science

Programs in this cluster get students ready for health careers related to planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

Therapeutic Services/Allied Health & Medicine Pathway (LCCA)

25.52100 Introduction to Healthcare Science
25.44000 Essentials of Healthcare
25.43700 Allied Health & Medicine

Therapeutic Services/Patient Care Pathway (LCCA)

25.52100 Introduction to Healthcare Science
25.44000 Essentials of Healthcare
25.43600 Patient Care Fundamentals
25.56300 Therapeutic Services Nursing Intern

Therapeutic Services/Sports Medicine Pathway (LCCA)

25.52100 Introduction to Healthcare Science
25.44000 Essentials of Healthcare
25.44600 Sports Medicine



Therapeutic Services/Patient Care Technician (LCCA)

25.52100 Introduction to Healthcare Science
25.44000 Essentials of Healthcare
25.43600 Patient Care Fundamentals
25.44900 Patient Care Technician



Hospitality

Courses in this cluster concentrate on skills needed for employment in career pathways related to leisure activities, families, and human needs such as restaurant and food/beverage services, lodging, travel and tourism, recreation, and sports and entertainment marketing.

Culinary Arts Pathway (LCCA)

20.53100 Introduction to Culinary Arts
20.53210 Culinary Arts I
20.53310 Culinary Arts II



Human Services

Employment opportunities in this cluster include career pathways related to families and human needs such as cosmetology, barbering, and consumer services.

Barbering Fundamentals Pathway (LCCA @ Savannah Tech) *TCC

12.5440445 Introduction to Personal Care Services
12.0A02444 Science: Sterilization, Sanitation, and Bacteria
12.0A60444 Haircutting & Shampooing I

Barbering Assistant Pathway (LCCA @ Savannah Tech) *TCC- Must complete Barbering Fundamentals Pathway first

12.0A06444 Science: Anatomy/Physiology
12.4200444 Barbering II

Cosmetology Pathway (LCCA @ Savannah Tech) *TCC

12.54400 Introduction to Personal Care Services
12.41000 Cosmetology Services II
12.41100 Cosmetology Services III

