

Start preparing for the future now! Make the connection between learning and the real world.

Career Technology courses will help answer three key questions: What am I learning? Why am I learning it? How am I going to use it? Whatever your plans may be after high school, Career Technology courses and Career Pathways will give you a head start and help build a foundation for many technical and professional careers.

CTAE



Don't Delay! Prepare for YOUR Future Now!

Begin TODAY planning for TOMORROW!

School Legend:

C = Chestatee, CB = Cherokee Bluff, E = East Hall
F = Flowery Branch, J = Johnson, L = LCCA, N = North Hall,
VP = Virtual Program of Choice, W = West Hall

To fulfill the state pathway requirement, students must complete the three courses shown in the pathway and take the Credential of Value (COV) assessment.
Students who successfully complete the pathway and pass the COV can earn an industry credential.

Ⓜ Honors Pathway Available

AGRICULTURE, FOOD & NATURAL RESOURCES

Agriculture Leadership in Animal Production (N)

- 02.47100 Basic Agricultural Science
- 02.42100 Animal Science & Biotechnology ^
- 01.41200 Agribusiness Management and Leadership

Capstone Experience: WBL Internship

Agriculture Leadership in Horticulture (N)

- 02.47100 Basic Agricultural Science
- 01.46100 General Horticulture and Plant Science ^
- 01.41200 Agribusiness Management and Leadership

Capstone Experience: WBL Internship

Agriculture Mechanics & Electrical Systems (L)

- 02.47100 Basic Agricultural Science
- 01.42100 Agricultural Mechanics Technology I
- 01.42600 Agricultural Electricity and Electric Controls

Capstone Experience: WBL Internship

Agriculture Mechanics/Metal Fabrication (L)

- 02.47100 Basic Agricultural Science
- 01.42100 Agricultural Mechanics Technology I
- 01.42400 Agricultural Metals Fabrication

Capstone Experience: WBL Internship

Agriculture Mechanics Systems (L)

- 02.47100 Basic Agricultural Science
- 01.42100 Agricultural Mechanics Technology I
- 01.42200 Agricultural Mechanics Technology II

Capstone Experience: WBL Internship

Animal/Mechanical Systems (N)

- 02.47100 Basic Agricultural Science
- 01.42100 Agricultural Mechanics Technology I
- 01.43200 Agricultural Animal Production and Mgt

Capstone Experience: WBL Internship

Food Animal Systems (N)

- 02.47100 Basic Agricultural Science
- 02.42100 Animal Science & Biotechnology ^
- 01.43200 Agricultural Animal Production and Mgt

Capstone Experience: WBL Internship

Forest Mechanical Systems (L)

- 02.47100 Basic Agricultural Science
- 01.42100 Agricultural Mechanics Technology I
- 03.45100 Forest Science ^

Capstone Experience: WBL Internship

Forestry/Wildlife Systems (L)

- 02.47100 Basic Agricultural Science
- 03.45100 Forest Science ^
- 03.45300 Wildlife Management

Capstone Experience: WBL Internship

Horticulture & Animal Systems (E, N)

- 02.47100 Basic Agricultural Science
- 01.46100 General Horticulture and Plant Science ^
- 02.42100 Animal Science/Biotechnology ^

Capstone Experience: WBL Internship

Horticulture/Mechanical Systems (N)

- 02.47100 Basic Agricultural Science
- 01.46100 General Horticulture and Plant Science ^
- 01.42100 Agricultural Mechanics Technology I

Capstone Experience: WBL Internship

Veterinary Science Pathway (E, N)

- 02.47100 Basic Agricultural Science
- 02.42100 Animal Science & Biotechnology ^
- 02.42400 Veterinary Science

Capstone Experience: WBL Internship

ARCHITECTURE & CONSTRUCTION

Carpentry (C, J, W)

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

Capstone Experience: WBL Internship

Electrical (C, J, L*, W)

- 46.54500 Industry Fundamentals & Occupational Safety
- 46.54600 Introduction to Construction *
- 46.56000 Electrical I

Capstone Experience: WBL Internship

* Course must be taken at home school.

Heating, Vent, Air Conditioning & Refrigeration (L)

- 46.54500 Industry Fundamentals & Occupational Safety
- 47.41400 Introduction to HVACR Systems
- 47.41500 Heating, Ventilation, Air Cond, & Refrigeration

Capstone Experience: WBL Internship

HVACR Electrical (L)

- 46.54500 Industry Fundamentals & Occupational Safety
- 47.41400 Introduction to HVACR Systems
- 47.41600 Low Voltage Electrical

Capstone Experience: WBL Internship

Heavy Equipment Operations (E)

- 46.54500 Industry Fundamentals & Occupational Safety
- 46.59000 Introduction to Heavy Equipment
- 46.59100 Heavy Equipment Operations I

Capstone Experience: WBL Internship

Plumbing (J)

- 46.54500 Industry Fundamentals & Occupational Safety
- 46.54600 Introduction to Construction
- 45.58000 Plumbing I

Capstone Experience: WBL Internship

ARTS, A/V TECHNOLOGY & COMMUNICATIONS

Animation and Digital Media (CB)

- 48.42100 Introduction to Digital Media
- 48.42200 Principles and Concepts of Animation
- 48.42300 Advanced Animation, Game and app Design

Capstone Experience: WBL Internship

Audio-Video Technology/Film I (C, J, W)

- 10.51810 Audio-Video Technology Film I
- 10.51910 Audio-Video Tech Film II
- 10.52010 Audio-Video Tech Film III Ⓜ

Capstone Experience: WBL Internship

Audio-Video Technology & Film II (C, J, W)

- 10.51810 Audio-Video Technology Film I
- 10.51910 Audio-Video Tech Film II
- 10.51410 Broadcast Video Applications Ⓜ

Capstone Experience: WBL Internship

Graphic Communications Ⓜ (E, F, J, W)

- 48.56100 Introduction to Graphics and Design
- 48.56200 Graphic Design and Production
- 48.57000 Adv Graphic Output Processes

Capstone Experience: WBL Internship

Graphic Design Ⓜ (C, E, F, J, W)

- 48.56100 Introduction to Graphics and Design
- 48.56200 Graphic Design and Production
- 48.52800 Advanced Graphic Design

Capstone Experience: WBL Internship

BUSINESS, MANAGEMENT & ADMINISTRATION

Business & Technology (E, J)

- 07.44130 Intro to Business and Technology
- 07.44100 Business & Technology
- 07.45100 Business Communications

Capstone Experience: WBL Internship

Entrepreneurship (E, N)

- 07.44130 Intro to Business and Technology
- 06.41500 Legal Environment of Business
- 06.41610 Entrepreneurship

Capstone Experience: WBL Internship

EDUCATION & TRAINING

Early Childhood Education (F, J) Ⓜ

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

Capstone Experience: WBL Internship

Teaching As A Profession Ⓜ (C, CB, F, N, VP, W)

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

Capstone Experience: WBL Internship

GOVERNMENT & PUBLIC ADMINISTRATION

JROTC Naval Science (E)

- 28.02100 Cadet Field Manual
- 28.02200 Introduction to NJROTC
- 28.02300 Maritime History

Capstone Experience: WBL Internship

Public Management & Administration (CB, L)

- 29.41000 Intro to Government & Public Admn Ⓜ
- 29.41100 Gov Public Admn: State & Fed Issues Ⓜ
- 29.41200 Gov Public Admn: Local & State Issues Ⓜ

Capstone Experience: WBL Internship

HEALTH SCIENCE

Biotechnology Research & Development Ⓜ (N)

- 25.52100 Introduction to Healthcare Science
- 25.57000 Essentials of Biotechnology ^
- 25.56900 Applications of Biotechnology ^

Capstone Experience: WBL Internship

Diagnostics/Phlebotomy Pathway Ⓜ (F, W)

- 25.52100 Introduction to Healthcare Science
- 25.44000 Essentials of Healthcare Ⓜ
- 25.57400 Diagnostics Phlebotomy

Capstone Experience: WBL Internship

CAPSTONE EXPERIENCE FOR ALL PATHWAYS

Work-Based Learning (WBL) Internship opportunities are available in ALL career cluster areas. Please see your school's WBL Coordinator for additional information.



SEE SYMBOL LEGEND BELOW

^ Meets 4th Science requirement; approved by Board of Regents.

Ⓜ Meets 4th Math or World Language requirement for high school graduation.

Two Computer Science courses from the same pathway will satisfy two years of sequenced foreign language courses for USG Admissions.

Ⓜ Integrated credit can be earned upon completion of pathway.

Ⓜ Embedded credit earned upon completion of course.

HEALTH SCIENCE

Allied Health & Medicine ^H (C, E, F, J, N, VP, W)
25.52100 Introduction to Healthcare Science
25.44000 Essentials of Healthcare «
25.43700 Allied Health & Medicine
Capstone Experience: WBL Internship

Emergency Medical Responder ^H (C, F, J, N, W)
25.52100 Introduction to Healthcare Science
25.44000 Essentials of Healthcare «
25.45000 Emergency Medical Responder
Capstone Experience: WBL Internship

Therapeutic Services-Exercise Physiology ^H (C, CB)
25.52100 Introduction to Healthcare Science
25.44000 Essentials of Healthcare «
25.45400 Fundamentals of Exercise Physiology
Capstone Experience: WBL Internship

Therapeutic Services-Mental Health Prof. (CB, E, VP)
25.52100 Introduction to Healthcare Science
25.44000 Essentials of Healthcare «
25.47000 Mental Health Professional
Capstone Experience: WBL Internship

Patient Care ^H (C, E, J)
25.52100 Introduction to Healthcare Science
25.44000 Essentials of Healthcare «
25.43600 Patient Care Fundamentals
Capstone Experience: WBL Internship

Therapeutic Services-Pharmacy ^H (VP)
25.52100 Introduction to Healthcare Science
25.44000 Essentials of Healthcare «
25.45300 Pharmacy Operations & Fundamentals **
Capstone Experience: WBL Internship

** Students can take online with VPOC.

Therapeutic Services-Public Health (VP)
25.52100 Introduction to Healthcare Science
25.44000 Essentials of Healthcare «
25.45200 Applications of Public Health **
Capstone Experience: WBL Internship

** Students can take online with VPOC.

Therapeutic Services-Sports Medicine ^H (C, CB, E, N)
25.52100 Introduction to Healthcare Science
25.44000 Essentials of Healthcare «
25.44600 Sports Medicine ^
Capstone Experience: WBL Internship

Therapeutic Services-Surgical Technology ^H (CB)
25.52100 Introduction to Healthcare Science
25.44000 Essentials of Healthcare «
25.44700 Surgical Technician I
Capstone Experience: WBL Internship

HOSPITALITY & TOURISM

Baking & Pastry (L)
20.53100 Introduction to Culinary Arts
20.53610 Baking & Pastry I
20.53710 Baking & Pastry II
Capstone Experience: WBL Internship

Culinary Arts (L) ^{II}
20.53100 Introduction to Culinary Arts
20.53210 Culinary Arts I
20.53310 Culinary Arts II
Capstone Experience: WBL Internship

Hospitality, Recreation & Tourism (L, VP)
08.47400 Marketing Principles
08.45300 Hospitality, Recreation & Tourism Essentials ^H
08.45400 Hospitality, Recreation & Tourism Management ^H
Capstone Experience: WBL Internship

HUMAN SERVICES

Nutrition and Food Science (F, N)
20.41610 Food, Nutrition & Wellness
20.41400 Food for Life ^
20.41810 Food Science ^
Capstone Experience: WBL Internship

Personal Care Services-Cosmetology (L)
12.54400 Intro to Personal Care Services
12.41000 Cosmetology Services II
12.41100 Cosmetology Services III
Capstone Experience: WBL Internship

INFORMATION TECHNOLOGY

Computer Science ^H (C, CB, F, N*, VP, W*)
11.44600 Introduction to Software Technology *
11.47100 Computer Science Principles ^ ~ **OR**
11.01900 AP Computer Science Principles ^ ~*
11.01600 AP Computer Science A ^ ~
Capstone Experience: WBL Internship

* Courses taken online with VPOC to complete pathway.

Cybersecurity (J)
11.44800 Introduction to Hardware Technology
11.48100 Introduction to Cybersecurity
11.48200 Advanced Cybersecurity
Capstone Experience: WBL Internship

Game Design ^H (F, VP)
11.44600 Introduction to Software Technology
11.47100 Computer Science Principles ^ ~ **OR**
11.01900 AP Computer Science Principles ^ ~
11.42900 Game Design: Animation and Simulation ^ ~
Capstone Experience: WBL Internship

Programming ^H (CB, VP)
11.44600 Introduction to Software Technology
11.47100 Computer Science Principles ^ ~ **OR**
11.01900 AP Computer Science Principles ^ ~
11.47200 Program, Games, Apps & Society ^ ~
Capstone Experience: WBL Internship

Web & Digital Design
11.44600 Introduction to Software Technology
11.45100 Digital Design
11.45200 Web Design
Capstone Experience: WBL Internship

Web Development ^H (C, CB)
11.44600 Introduction to Software Technology
11.47100 Comp Sci Principles ^ ~ **OR**
11.01900 AP Comp Sci Prin ^ ~
11.42500 Web Development ^ ~
Capstone Experience: WBL Internship

LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

Law Enforcement Services/Forensic Science (CB)
43.45000 Intro to Law/Public Safety/Corrections/Security
43.45100 Criminal Justice Essentials
43.45200 Forensic Science & Criminal Investigations ^
Capstone Experience: WBL Internship

Security & Protective Services (CB)
43.45000 Intro to Law/Public Safety/Corrections/Security
43.45100 Criminal Justice Essentials
43.45800 Security and Protective Services
Capstone Experience: WBL Internship

MANUFACTURING

Machine Operations (F, N)
46.54500 Industry Fundamentals & Occupational Safety
48.58100 Introduction to Metals
48.59100 Machining Operations I
Capstone Experience: WBL Internship

Manufacturing (W)
21.44100 Foundations of Mfg & Materials Science
21.44500 Robotics and Automated Systems
21.44400 Production Enterprises
Capstone Experience: WBL Internship

Sheet Metal (CB)
46.54500 Industry Fundamentals & Occupational Safety
48.58100 Introduction to Metals
48.58200 Sheet Metal I
Capstone Experience: WBL Internship

Welding (CB, F, N)
46.54500 Industry Fundamentals & Occupational Safety
48.58100 Introduction to Metals
48.55100 Welding I
Capstone Experience: WBL Internship

MARKETING

Fashion Merchandising/Retail Mgmt (L)
08.47400 Marketing Principles
08.42100 Fashion, Merch & Retailing Essentials
08.42200 Advanced Fashion, Merch & Retailing
Capstone Experience: WBL Internship

Marketing & Management (C, CB, F, W)
08.47400 Marketing Principles
08.44100 Marketing & Entrepreneurship ^H
08.44200 Marketing & Management ^H
Capstone Experience: WBL Internship

Marketing Communications & Promotions (F, L, N)
08.47400 Marketing Principles
08.45100 Promotional and Digital Marketing
08.45200 Integrated Marketing Communications
Capstone Experience: WBL Internship

Sports & Entertainment Marketing (CB, N)
08.47400 Marketing Principles
08.47800 Intro to Sports & Entertainment Marketing
08.48500 Advanced Sports & Entertainment Marketing
Capstone Experience: WBL Internship

SCIENCE, TECH, ENGINEERING & MATHEMATICS

Engineering & Technology ^H (CB, F, N)
21.42500 Foundations of Engineering/Technology
21.47100 Engineering Concepts
21.47200 Engineering Applications
Capstone Experience: WBL Internship

TRANSPORTATION, DISTRIBUTION & LOGISTICS

General Automotive Technology (C, E)
47.45000 Automotive Technologies 1
47.45100 Automotive Technologies 2
47.45200 Automotive Technologies 3
Capstone Experience: WBL Internship

WORKFORCE READY

Workforce Ready (CB, E, F, L, N, W)
32.43000 Introduction to Career Competencies
32.43100 Career Competencies
32.43200 Advanced Career Competencies
Capstone Experience: WBL Internship



Plan ahead and complete more than one pathway
and work to earn additional certifications!