



CAREER PATHWAYS...

An Education and Career Planning Guide

Career, Technical and Agriculture Education

Career, Technical and Agricultural Education Pathways

Career-focused planning will lead you to selecting a Career, Technical and Agricultural Education (CTAE) pathway. CTAE provides academic skills and real-world experiences necessary to build fulfilling careers in the 21st Century. In CTAE programs and courses, students are prepared for post-secondary education and for the workplace. Career, Technical and Agricultural Education is a vital component of the total education of an individual and is available to every high school student in the Barrow County School System.

Use this flyer as a guide to help you select a CTAE pathway and to determine where classes and pathways are offered.

Barrow County School System offers students a wealth of choices for CTAE classes and programs!

Pathways are offered at multiple locations and students should pay attention to the location of each course when choosing classes.

- Some pathways are offered completely at the home high school – AHS, SPS, WBHS
- Some pathways are offered completely at Sims Academy of Innovation and Technology
- Some pathways offer the first level course at the home high schools and then students attend Sims Academy to complete the remaining two courses in the pathway

Work-Based Learning is offered as a culminating experience for all pathway. Students are placed at worksites where they gain real-world experience.

What will you do in Work-Based Learning?

- ✓ Work at a job site as part of your school day
 - ✓ Gain skills in a chosen career area
 - ✓ Develop professional relationships
 - ✓ Make contacts with future employers
 - ✓ Develop a career portfolio (resume, sample letter of application, etc.)
 - ✓ Make decisions about future education and training
- See the Work-Based Learning Coordinator at your school for more info!

Dual Enrollment at Lanier Technical College

Did you know that you can earn technical college and/or college credit while attending high school by participating in Dual Enrollment? Dual Enrollment is taught on the technical college and/or college campus.

The following dual enrollment opportunities are offered at the Winder-campus of Lanier Technical College: Accounting, Air Conditioning Technology, Certified Nurse Aid, Welding.

Dual enrollment information and applications are available in the guidance office and high school career centers.

Sims Academy of Innovation and Technology

www.simsacademyit.org

The Sims Academy of Innovation and Technology provides students with a career-focused education that includes development of work ethics, leadership and problem-solving skills. Through collaborative partnership with business and industry, students will receive the most up-to-date hands-on training, theories and resources in preparation for careers in today's demanding industries. The unique format of this campus allows students to receive classroom training in conjunction with real-world application, thereby creating an interactive learning environment through school-based enterprises, internships, and apprenticeships.

***While students may spend part of their school day at Sims Academy, they will remain students of their home high schools.

Barrow County School System 2014-2015 CTAE Pathway Offerings

AGRICULTURE, FOOD AND NATURAL RESOURCES

Agricultural Mechanics and Fabrication

Basic Agricultural Science & Technology (W)
Agricultural Mechanics I (W)
Agricultural Mechanics & Metal Fabrication (W)

Agricultural Mechanics Systems

Basic Agricultural Science & Technology (A)
Agricultural Mechanics I (A)
Agricultural Mechanics II (A)

Agriscience

Basic Agricultural Science & Technology (A)
Animal Science & Biotechnology (A)
Plant Science & Biotechnology (A)

Plant and Landscape Systems

Basic Agricultural Science & Technology (A, W)
General Horticulture & Plant Science (SA)
Nursery & Landscape (SA)

Veterinary Science

Basic Agricultural Science & Technology (W)
Animal Science & Biotechnology (W)
Veterinary Science (W)

ARCHITECTURE & CONSTRUCTION

Construction

Occupational Safety & Fundamentals (SA)
Introduction to Construction II (SA)
Carpentry I (SA) OR
Electrical I (SA)

ARTS, A/V TECHNOLOGY & COMMUNICATIONS

Audio-Video Technology & Film

Audio & Video Technology & Film I (A, W)
Audio & Video Technology & Film II (SA)
Audio & Video Technology & Film III (SA)

Graphic Communications

Introduction to Graphics & Design (SA)
Graphics Design & Production (SA)
Advanced Graphic Output Processes (SA)

BUSINESS, MANAGEMENT & ADMINISTRATION

Business & Technology

Introduction to Business & Technology (A, S, W)
Business & Technology (A, S, W)
Business Communications (A, S, W)

EDUCATION & TRAINING

Early Childhood Education

Early Childhood Education I (A, W)
Early Childhood Education II (A, W)
Early Childhood Education III (A, W)

FINANCE

Advanced Accounting

Introduction to Business & Technology (A, S, W)
Office Accounting Specialist Technical
Certificate of Credit (LTC)

Financial Literacy Course (SA)

GOVERNMENT & PUBLIC ADMINISTRATION

JROTC Army

Level 1—Introduction to Leadership (A, W)
Level 2—Intermediate Leadership (A, W)
Level 3—Advanced Leadership (A, W)

HEALTHCARE SCIENCE

Biotechnology Research and Development

Introduction to Healthcare Science (A, W)
Essentials of Biotechnology (SA)
Applications of Biotechnology (SA)

Therapeutic Services—Allied Health

Introduction to Healthcare Science (A, W)
Essentials of Healthcare (A, W)
Allied Health & Medicine (A, W)

Therapeutic Services—Nursing

Introduction to Healthcare Science (A, W)
Essentials of Healthcare (A, W)
Nurse Aide Technical Certificate of Credit (LTC)

HOSPITALITY & TOURISM

Culinary Arts

Introduction to Culinary Arts (SA)
Culinary Arts I (SA)
Culinary Arts II (SA)

Hospitality, Recreation & Tourism

Marketing Principles (SA)
Hospitality, Recreation & Tourism Essentials (SA)
Hospitality, Recreation & Tourism Mgmt. (SA)

HUMAN SERVICES

Food & Nutrition

Food, Nutrition & Wellness (A, W)
Food for Life (A, W)
Food Science (A, W)

INFORMATION TECHNOLOGY

Web & Digital Design

Introduction to Digital Technology (A, S, W)
Digital Design (SA)
Web Design (SA)

Comp Programming, Apps, & Game Design

Introduction to Digital Technology (A, S, W)
Computer Science Principles (SA)
Programming, Apps & Game Design (SA)

LAW, PUBLIC SAFETY, CORRECTIONS, & SECURITY

Law Enforcement Services

Intro to Law, Public Safety, Corrections &
Security (A, W)
Criminal Justice Essentials (A, W)
Criminal Investigations (A, W)

MANUFACTURING

Robotics & Automation—Mechatronics

Intro to Mechatronics (SA)
AC Theory, Electric Motors, & Hydraulic Systems
(SA)
Semiconductors, Mechanical Systems, and
Pumping & Piping Systems (SA)

MARKETING

Marketing & Management

Marketing Principles (SA)
Marketing & Entrepreneurship (SA)
Marketing & Management (SA)

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

Engineering & Technology

Foundations of Engineering & Technology (A, W)
Engineering Concepts (SA)
Engineering Applications (SA)

TRANSPORTATION, DISTRIBUTION & LOGISTICS

Automobile Maintenance & Light Repair

Basic Maintenance & Light Repair (SA)
Maintenance & Light Repair 2 (SA)
Maintenance & Light Repair 3 (SA)

ADDITIONAL COURSES

Additional course opportunities exist
through Lanier Technical College:

Air Conditioning Technology—Basic
Residential Air Conditioning System
Design Certificate

Welding—Gas Metal Arc Welder Technical
Certificate of Credit

A = Apalachee

LTC = Lanier Technical College

SA = Sims Academy

S = Snodon

W = Winder-Barrow