

Career Pathways

Georgia Department of Education



Dr. John D. Barge, State School Superintendent
"Making Education Work for All Georgians"
www.gadoe.org

HB 186

“Provides and expands career pathway options for high school students to ensure their college and career readiness.”



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Cooperation Between High Schools and Postsecondary Institutions

- The SBOE, Board of Regents, and Board of Technical and Adult Education shall:
 - Define college-readiness standards in reading, writing, and mathematics
 - Identify one or more state-wide common assessments to determine postsecondary readiness and inform students of their performance on such assessments no later than the end of tenth grade
 - Develop transitional courses in reading, writing, and mathematics for eleventh and twelfth grade students who fail to meet readiness standards
 - Ensure dual credit courses reflect postsecondary coursework



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Academic Standards Embedded in CTAE Courses

- The SBOE will work to ensure that this coursework meets postsecondary requirements
- Students will receive course credit both for the CTAE course as well as the academic core coursework
- Guidelines will limit the number of academic credits earned through CTAE courses and shall ensure acceptance of such credits for purposes of admission into a postsecondary institution



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Subject Competency vs. Course Completion

- Students may earn credits through:
 - Completion of courses; or
 - The testing out or otherwise demonstrating mastery of the course content
- Potential assessments to demonstrate competency include, but are not limited to:
 - AP exams
 - ACT course assessment
 - Industry-specific certificates and credentials for CTAE courses
 - CLEP exams
 - Nationally recognized foreign language performance assessments
- The SBOE will initially limit the number of credits earned through these options to three per student while the results are reviewed



Soft Skills Certification

- The Governor's Office of Workforce Development will, through collaboration with the Department of Education and the Board of Technical and Adult Education, create a certification in soft skills
- These soft skills may include, but are not limited to, skills related to punctuality, ability to learn, and ability to work in a team
- This certification will be a discrete and complementary component to the current assessment system utilized in Georgia to measure an individual worker's skill and knowledge



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Career Clusters

- The GaDOE shall develop a curriculum for the following programs of study including, but not limited to:
 1. Agriculture, food, and natural resources
 2. Architecture and construction
 3. Arts, audio-video technology, and communications
 4. Business, management, and administration
 5. Education and training
 6. Finance
 7. Health science
 8. Hospitality and tourism
 9. Human services



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Career Clusters (cont'd)

- The GaDOE shall develop a curriculum for the following programs of study including, but not limited to:
 10. Information technology
 11. Law, public safety, and security
 12. Manufacturing
 13. Government and public administration
 14. Marketing, sales, and service
 15. Science, technology, engineering, and mathematics
 16. Transportation, distribution, and logistics
 17. *Energy (Not required in law but will be developed)*



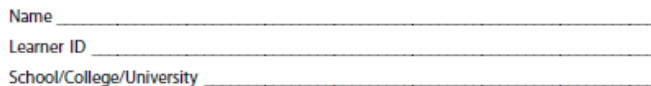
Career Cluster	Pathways						
Agriculture, Food, and Natural Resources	Food Products and Processing	Plant Systems	Animal Systems	Environmental Service Systems	Power, Structural and Technical Systems	Natural Resources	Agri-business
Architecture and Construction	Design and Preconstruction	Maintenance and Operations	Construction				
Arts, A/V Technology and Communications	Audio/Video Technology and Film	Visual Arts	Journalism and Broadcasting	Printing Technology	Performing Arts	Tele-communications	
Business Management and Administration	General Management	Human Resources Management	Marketing	Business Information Management	Operations Management	Administrative Support	
Education and Training	Administration and Administrative Support	Professional Support Services	Teaching and Training				
Finance	Securities and Investments	Accounting	Business Finance	Insurance	Banking Services		

Career Cluster	Pathways						
Government and Public Administration	Governance	Foreign Service	Regulation	Revenue and Taxation	National Security	Community Planning and Development	Public Management and Administration
Health Science	Therapeutic Services	Health Informatics	Biotechnology Research and Development	Diagnostic Services	Support Services		
Hospitality and Tourism	Restaurants and Food/Beverage	Travel and Tourism	Lodging	Recreation, Amusements and Attractions			
Human Services	Early Childhood Development and Services	Counseling and Mental Health	Consumer Services	Family and Community Services	Personal Care Services		
Information Technology	Network Systems	Web and Digital Communications	Information Support and Services	Programming and Software Development			
Law, Public Safety, Corrections and Security	Correction Services	Emergency and Fire Services	Security and Protective Services	Law Enforcement Services	Legal Services		

Career Cluster	Pathways					
Manufacturing	Production	Manufacturing Production Process Development	Quality Assurance	Health, Safety and Environmental Assurance	Logistics and Inventory Control	
Marketing	Marketing Management	Professional Sales	Marketing Communications	Marketing Research	Merchandising	
Science, Technology, Engineering and Mathematics	Engineering and Technology	Science and Mathematics				
Transportation, Distribution and Logistics	Facility and Mobile Equipment Maintenance	Logistics Planning and Management Services	Warehouse and Distribution Center Operations	Health, Safety and Environmental Management	Transportation Operations	Transportation Systems/Infrastructure Planning, Management and Regulation



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Career Pathway Plan of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

*This Career Pathway Plan of Study (based on the Food Products and Processing Systems Pathway of the Agriculture, Food and Natural Resources Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. *This Plan of Study, used for learners at an educational institution, should be customized with course titles and appropriate high school graduation requirements as well as college entrance requirements.*

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses Other Electives Recommended Electives Learner Activities	*Career and Technical Courses and/or Degree Major Courses for Food Products and Processing Systems Pathway	SAMPLE Occupations Relating to This Pathway	
Interest Inventory Administered and Plan of Study Initiated for all Learners									
SECONDARY	9							Occupations Requiring Postsecondary Education ▶ Agricultural Communications Specialist ▶ Agricultural Salesperson ▶ Food and Drug Inspector ▶ Food Meal Supervisor ▶ Food Processor ▶ Meat Cutter-Meat Grader ▶ Meat Processor ▶ Produce Buyer Occupations Requiring Baccalaureate Degree ▶ Agricultural Educator ▶ Bacteriologist ▶ Biochemist-Nutritionist ▶ Bioengineer ▶ Dietician ▶ Food and Fiber Engineer ▶ Food Scientist ▶ Meat Science Researcher ▶ Microbiologist ▶ Quality Control Specialist	
	10								
	11								
	College Placement Assessments-Academic/Career Advisement Provided								
	12								
Articulation/Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.									
POSTSECONDARY	Year 13								
	Year 14								
	Year 15								
	Year 16								

SAMPLE HIGH SCHOOL TO CAREER CONNECTION – HEALTHCARE SCIENCE SAMPLE

Ninth	Math	MATHMATHEMATICS I OR GPS ALGEBRA	MATHMATHEMATICS I OR GPS ALGEBRA	MATHMATHEMATICS I OR GPS ALGEBRA	MATHMATHEMATICS I OR GPS ALGEBRA
	ELA	NINTH GRADE LITERATURE AND COMPOSITION	NINTH GRADE LITERATURE AND COMPOSITION	NINTH GRADE LITERATURE AND COMPOSITION	NINTH GRADE LITERATURE AND COMPOSITION
	SS	GEOGRAPHY	GEOGRAPHY	GEOGRAPHY	GEOGRAPHY
	SCI	BIOLOGY	BIOLOGY	BIOLOGY	BIOLOGY
	CTAE	INTRODUCTION TO HEALTH SCIENCE	INTRODUCTION TO HEALTH SCIENCE	INTRODUCTION TO HEALTH SCIENCE	INTRODUCTION TO HEALTH SCIENCE
Tenth	Math	MATHEMATICS II OR GPS GEOMETRY	MATHEMATICS II OR GPS GEOMETRY	MATHEMATICS II OR GPS GEOMETRY	MATHEMATICS II OR GPS GEOMETRY
	ELA	TENTH GRADE LITERATURE AND COMPOSITION	TENTH GRADE LITERATURE AND COMPOSITION	TENTH GRADE LITERATURE AND COMPOSITION	TENTH GRADE LITERATURE AND COMPOSITION
	SS	WORLD HISTORY	WORLD HISTORY	WORLD HISTORY	WORLD HISTORY
	SCI	PHYSICAL SCIENCE	PHYSICS	PHYSICS	PHYSICS
	CTAE	APPLICATION TO THERAPEUTIC SERVICES	BASIC DIAGNOSTIC SERVICES	APPLICATION TO THERAPEUTIC SERVICES	INTRODUCTION TO BIOTECHNOLOGY
Eleventh	Math	MATHEMATICS III OR GPS ADV. ALGEBRA	MATHEMATICS III OR GPS ADV. ALGEBRA	MATHEMATICS III OR GPS ADV. ALGEBRA	MATHEMATICS III OR GPS ADV. ALGEBRA
	ELA	AMERICAN LITERATURE / COMPOSITION	AMERICAN LITERATURE / COMPOSITION	AP ENGLISH LANGUAGE AND COMPOSITION/ / AMERICAN LITERATURE	AP ENGLISH LANGUAGE AND COMPOSITION/ / AMERICAN LITERATURE
	SS	US HISTORY	US HISTORY	AP US HISTORY	AP US HISTORY
	SCI	CHEMISTRY	CHEMISTRY	CHEMISTRY	CHEMISTRY
	CTAE	NURSING ESSENTIALS	CLINICAL LABORATORY TECHNICIAN	NURSING ESSENTIALS	APPLICATIONS TO BIOTECHNOLOGY
Twelfth	Math	MATHEMATICS OF FINANCE	MATHEMATICS OF INDUSTRY AND GOVERNMENT	AP STATISTICS	MATH EMATICS IV OR GPS PRE-CALCULUS
	ELA	ADVANCED COMPOSITION	ADVANCED COMPOSITION	AP ENGLISH LITERATURE AND COMPOSITION	AP ENGLISH LITERATURE AND COMPOSITION
	SS	AMERICAN GOVERNMENT/ECONOMICS	AMERICAN GOVERNMENT/ECONOMICS	AP MACRO/MICROECONOMICS	AP MACRO/MICROECONOMI
	SCI	HUMAN ANATOMY AND PHYSIOLOGY	HUMAN ANATOMY AND PHYSIOLOGY	AP BIOLOGY	AP BIOLOGY
	CTAE	NUTRITION AND WELLNESS	CLINICAL LABORATORY TECHNICIAN INTERSHIP	NURSING INTERNSHIP	BIOTECHNOLOGY INTERNSHIP
Prepare to Enter		Workforce	Two-Year Institution	Four -Year Institution	Four-Year Institution
CAREER		CERTIFIED NURSING ASSISTANT	RADIOLOGY TECHNICIAN	NURSE PRACTITIONER	PHYSICIAN

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