

## STEP TWO

# CAREER PATHWAY GUIDE

Review the Career Clusters to help you choose a career pathway of interest and then review the suggested courses in that pathway to help inform your course selection. Remember the expectation is that every GHS student takes at least one college level course in their career pathway before they graduate. Our goal is that every GHS student is college and career ready by graduation. Engaging in our most rigorous courses will help to prepare you to reach this goal.

Career interest inventories and further career exploration and planning can be found at <https://login.xello.world>. Each student has their own username and password.

Student usernames: GFIELD-graduation year1st initial last name.  
Student passwords: Gsdstudent lunch number.

Please see Student Services with questions.

## CAREER CLUSTER

### Agriculture, Food, and Natural Resources

The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

#### TECHNICAL SCHOOL CAREERS

Agricultural Communications Specialist  
Agricultural Salesperson  
Food and Drug Inspector  
Food Meal Supervisor  
Meat Cutter-Meat Grader  
Meat Processor  
Produce Buyer

#### 4-YEAR COLLEGE CAREERS

Agricultural Educator  
Bacteriologist  
Bioengineer  
Dietician/Nutritionist  
Food and Fiber Engineer  
Food Scientist  
Forestry  
Wildlife Management

#### RECOMMENDED GHS COURSES

#### **ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)**

#### EMPHASIZE:

Biology  
Science and Society  
Physics  
Chemistry  
Ecological Studies  
Earth and the Solar System  
Statistics and Probability

#### **AP Statistics**

Calculus  
Geometry  
Trigonometry  
Foods 1, 2, 3  
Leadership

#### **AP Biology**

#### **AP Physics 1 and 2**

Principles of Engineering  
Principles of Biomedical Sciences  
Medical Interventions  
Health Literacy  
Youth Apprenticeship



#### ***Do you enjoy....***

- Working with animals, soils, and plants?
- Working in the food industry?
- Being in charge of activities and people?
- Sciences such as biotechnology, aquaculture, or chemistry?
- Caring for pets, sick or injured animals, or training animals?
- Doing mechanical or physical tasks?
- Working outdoors?

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# CAREER CLUSTER

## Architecture and Construction

Careers in designing, planning, managing, building, and maintaining the built environment.

### TECHNICAL SCHOOL CAREERS

Air Conditioner, Refrigerator and Heating  
Bricklaying and Masonry  
Carpentry  
Construction and Remodeling  
Electrician

### 4-YEAR COLLEGE CAREERS

Landscape Architect  
Engineer  
Building Inspector  
Drafters  
Urban and Regional Planner

### GHS RECOMMENDED COURSES

#### **ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)**

#### EMPHASIZE:

Algebra 1, 2

Geometry

Pre-Calculus

**AP Calculus**

Accounting 1, 2

CISCO 1, 2

Construction 1, 2

Leadership

Marketing your Business

Introduction to Business

Statistics and Probability

Trigonometry

Physics

Web Page Creation

Welding

2-D Art Sampler, 2,3,4

3-D Art Sampler , 2,3,4

Photography

Introduction to Engineering and Design

Principles of Engineering

Civil Engineering and Architecture

Architecture

Yearbook 1, 2

**AP Physics 1**

**AP Physics 2**

**AP US History**

Youth Apprenticeship



#### ***Do you enjoy....***

- Designing?
- Working in the outdoors?
- Working with your hands?
- Physical Labor?
- Planning and organizing?

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## CAREER CLUSTER

### ARTS, A/V Technology, and Communications

Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

#### TECHNICAL SCHOOL CAREERS

Associate Producer  
Camera Technician  
Commercial Artist  
Disc Jockey  
Floral Designer  
Instrument Repairer  
Interior /Fashion/ Web Designer  
Photographer

#### 4-YEAR COLLEGE CAREERS

Architectural Designer  
Artist  
Composer  
Dancer  
Writer/ Journalist  
Music/Art Teacher  
Interior/ Fashion/ Web Designer  
Photographer

#### RECOMMENDED GHS COURSES

#### **ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)**

#### ***EMPHASIZE:***

2-D Art 1, 2, 3, 4, 5, 6

3-D Art 1, 2, 3, 4, 5, 6

Computer Graphics 1, 2, 3, 4

Photography 1, 2, 3, 4

#### **AP 2D Design-Drawing or Photography**

Interior Design

Fashion Design

Creative Writing

Web Page Design

Leadership

Yearbook 1, 2

Theatre 1, 2

Technical Theatre

Speech

Guitar

Piano Keyboard

A Survey of Music

Music Theory

Mixed Choir/Concert Choir

Symphonic Band

Wind Ensemble

Introduction to Engineering Design

**AP Psychology**

Youth Apprenticeship



#### ***Do you enjoy....***

- Making speeches, debating, participating in forensics, or broadcasting?
- Using creative abilities?
- Entertaining others?

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## CAREER CLUSTER

### Business, Management, and Administration

Business Management and Administration careers encompass planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations. Business Management and Administration career opportunities are available in every sector of the economy.

#### TECHNICAL SCHOOL CAREERS

Accountant  
Administrative Assistant  
Computer Operator  
General Manager  
Insurance Agent  
Real Estate Broker  
Tax Preparer

#### 4-YEAR COLLEGE CAREERS

Accountant (CPA)  
Advertising Manager  
Bank Officer  
Business Teacher  
Computer Consultant  
Human Resources Manager  
Systems Analyst

#### RECOMMENDED GHS COURSES

#### **ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)**

##### EMPHASIZE:

Accounting 1, 2  
CISCO 1, 2  
Computer Graphics 1, 2, 3, 4  
Computer Programming 1, 2  
Marketing Your Business  
Introduction to Business  
Sports and Entertainment Marketing  
Personal Finance  
Web Page Creation  
Speech  
Leadership  
Spanish 1, 2, 3, 4  
German 1, 2, 3, 4, 5  
Youth Apprenticeship  
**AP Calculus**  
**AP Statistics**  
**AP Psychology**  
**AP Economics**  
**AP Spanish**  
**AP Computer Science**  
Youth Apprenticeship



#### ***Do you enjoy...***

- Analyzing and organizing?
- Leading people and making decisions?
- Team activities?
- Competing with others?
- Using your persuasive abilities?

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## **CAREER CLUSTER**

### **Education and Training**

Planning, managing, and providing education and training services, and related learning support services.

#### TECHNICAL SCHOOL CAREERS

Preschool Teachers  
Childcare Worker  
Barbering/Cosmetology Specialist  
Instructional Assistant

#### 4-YEAR COLLEGE CAREERS

Teachers  
College Professors  
Educator Administrators  
Financial Aid Advisor

#### RECOMMENDED GHS COURSES

#### **ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)**

##### *EMPHASIZE:*

Parenting and Child Care  
Assistant Child Care Worker  
Speech  
Sociology  
Psychology  
World Affairs  
Web Page Creation  
Marketing Your Business  
Personal Finance  
Health Literacy  
Leadership  
German 1, 2, 3, 4, 5  
Spanish 1, 2, 3, 4

##### **AP Spanish**

##### **AP Courses related to content interest**

2-D Art 1, 2, 3, 4, 5, 6  
3-D Art 1, 2, 3, 4, 5, 6  
Computer Graphics 1, 2, 3, 4  
Photography 1, 2, 3, 4

##### ***Do you enjoy...***

- Helping others learn?
- Presenting before a large group?
- Working with children or young adults?
- Using creativity and leadership to motivate young minds?

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## CAREER CLUSTER

### Finance

Planning, services for financial and investment planning, banking, insurance, and business financial management.

#### TECHNICAL SCHOOL CAREERS

Accounting Assistant  
Administrative Assistant  
Customer Information Specialist  
Real Estate Agent  
Retail Management

#### 4-YEAR COLLEGE CAREERS

Accountant  
Financial Manager  
Actuaries  
Loan Officer  
Insurance Underwriter

#### RECOMMENDED GHS COURSES

#### **ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)**

##### EMPHASIZE:

Accounting 1, 2  
Introduction to Business  
Marketing your Business  
Personal Finance  
Leadership  
Web Page Creation  
German 1, 2, 3, 4, 5  
Spanish 1, 2, 3, 4  
**AP Spanish**  
Algebra 1, 2  
Geometry  
Trigonometry  
Statistics and Probability  
**AP Statistics**  
Pre-Calculus  
**AP Calculus**  
**AP Economics**  
Youth Apprenticeship



#### ***Do you enjoy...***

- Working in an office setting?
- Working on a computer?
- Working with numbers?
- Working with people?

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## CAREER CLUSTER

### Government and Public Administration

Executing governmental functions to include Governance; National Security; Foreign Service; Planning; Revenue and Taxation; Regulation; and Management and Administration at the local, state, and federal levels.

#### TECHNICAL SCHOOL CAREERS

Paralegal  
Bilingual Office Assistant  
Human Resources  
Law Enforcement

#### 4-YEAR COLLEGE CAREERS

Federal Bureau Investigator  
Forensics  
Lawyer  
Accountant

#### RECOMMENDED GHS COURSES

#### **ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)**

##### EMPHASIZE:

American Government

Economics

Spanish 1, 2, 3, 4

##### **AP Spanish**

German 1, 2, 3, 4, 5

Introduction to Business

Marketing your Business

Personal Finance

Accounting 1, 2

Web Page Creation

Speech

Leadership

Chemistry

##### **AP Chemistry**

Physics

##### **AP Physics 1**

##### **AP Physics 2**

Sociology

Psychology

World Affairs

##### **AP Statistics**

##### **AP Human Geography**

##### **AP Psychology**

##### **AP Economics**

#### ***Do you enjoy...***

- Solving problems?
- Current events?
- Helping others?

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# CAREER CLUSTER

## Health Science

Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

### TECHNICAL SCHOOL CAREERS

Dental Hygienist  
Emergency Medical Technician  
Lab Technician  
Licensed Practical Nurse (LPN)  
Physical Therapy Assistant  
Radiographer  
Veterinarian Assistant

### 4-YEAR COLLEGE CAREERS

Athletic Trainer  
Chiropractor  
Dietician  
Dentist  
Pharmacist  
Physician's Assistant  
Physician

### RECOMMENDED GHS COURSES

#### **ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)**

#### **EMPHASIZE:**

Biology  
Chemistry  
Human Anatomy and Physiology  
Medical Terminology  
Physics

#### **Statistics and Probability/AP**

Trigonometry  
Pre-Calculus

#### **AP Calculus**

Parenting & Child Care  
Assistant Childcare Teacher  
Speech

#### Leadership

Physical Education

Psychology/**AP Psychology**

Sociology

Spanish 1, 2, 3, 4

#### **AP Spanish**

German 1, 2, 3, 4, 5

Youth Apprenticeship

#### **AP Biology**

Principles of Biomedical Sciences

Medical Intervention

Youth Apprenticeship



#### ***Do you enjoy...***

- Doing volunteer work in the community?
- Working with people who are injured or sick?
- Promoting wellness lifestyles?
- Working in a medical setting?
- Helping people solve problems?

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## **CAREER CLUSTER**

### **Hospitality and Tourism**

Hospitality and Tourism encompasses the management, marketing, and operations of restaurants and other food services, lodging, attractions, recreation events, and travel related services.

#### TECHNICAL SCHOOL CAREERS

Chef  
Casino Management  
Hotel/Restaurant Manager

#### 4-YEAR COLLEGE CAREERS

Marketing Manager  
Recreation Director  
Executives

#### RECOMMENDED GHS COURSES

#### **ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)**

##### *EMPHASIZE:*

Foods 1, 2, 3  
Interior Design  
Speech  
Yearbook 1, 2  
Leadership  
Introduction to Business  
Marketing your Business  
Sports and Entertainment Marketing  
Personal Finance  
Accounting 1, 2  
Web Page Creation  
Physical Education  
Youth Apprenticeship  
German 1, 2, 3, 4, 5  
Spanish 1, 2, 3, 4  
**AP Spanish**  
**AP Human Geography**  
**AP Economics**  
**AP Statistics**

#### **Do you enjoy...**

- Working with others?
- Travel?
- Creativity?
- Organization and planning?

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## **CAREER CLUSTER**

### **Human Services**

Preparing individuals for employment in career pathways that relate to families and human needs.

#### TECHNICAL SCHOOL CAREERS

Caterer  
Firefighter  
Funeral Director  
Police Officer  
Paralegal  
Flight Attendant  
Travel Agent

#### 4-YEAR COLLEGE CAREERS

FBI Agent  
School Counselor  
Lawyer  
Psychologist  
Recreation Director  
Social Worker  
Teacher

#### GHS RECOMMENDED COURSES

#### **ALL CORE ACADEMICS(ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)**

##### EMPHASIZE:

Speech  
Sociology  
Psychology  
**AP Psychology**  
**AP Economics**  
**AP European History**  
**AP Human Geography**  
Web Page Creation  
Parenting and Child Care  
Assistant Childcare Teacher  
Health Literacy  
Leadership  
Statistics and Probability  
**AP Statistics**  
Biology  
**AP Biology**  
World Affairs  
American Government  
Spanish 1, 2, 3, 4  
**AP Spanish**  
German 1, 2, 3, 4, 5

#### ***Do you enjoy...***

- Helping and providing service to other people?
- Helping others learn new things or acquire information?
- Relating to other people and studying how society works?
- Sharing ideas with other people?
- Working as part of a team?
- Being in charge of planned activities?
- Volunteering or serving your community, state, or nation?

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## **CAREER CLUSTER**

### **Information Technology**

Building Linkages in IT Occupations Framework: For Entry Level, Technical, and Professional Careers related to the design, development, support and management of hardware, software, multimedia, and systems integration services.

#### TECHNICAL SCHOOL CAREERS

Application Developer  
Computer Service Technician  
Computer Programmer/Analyst  
Game Design  
Telecommunication Technician

#### 4-YEAR COLLEGE CAREERS

Computer Science  
Network Designer  
Digital Arts and Animation  
Engineer  
Imaging Media

#### GHS RECOMMENDED COURSES

#### **ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)**

##### EMPHASIZE:

Introduction to Business  
Marketing Your Business  
Sports and Entertainment Marketing  
Accounting 1, 2  
Personal Finance  
Web Page Creation  
Computer Programming 1, 2  
**AP Computer Science**  
Computer Graphics 1, 2, 3, 4  
CISCO 1, 2  
German 1, 2, 3, 4, 5  
Spanish 1, 2, 3, 4  
**AP Spanish**  
Introduction to Engineering Design  
Principles of Engineering  
Civil Engineering and Architecture  
Speech  
Creative Writing  
Leadership  
Youth Apprenticeship



#### ***Do you enjoy...***

- Computers?
- Gaming?
- Problem solving?
- Creativity?

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## CAREER CLUSTER

### Law, Public Safety, Corrections, and Security

Planning, managing, and providing legal, public safety, protective services, and homeland security; include professional and technical support services.

#### TECHNICAL COLLEGE CAREERS

Police Officer  
Firefighter  
Emergency Medical Technician  
Military  
Judicial Reporter

#### 4-YEAR COLLEGE CAREERS

Lawyer  
Police Chief  
Courtroom Judge  
Forensic Scientist  
Federal Bureau Investigator

#### GHS RECOMMENDED COURSES

#### **ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)**

##### EMPHASIZE:

American Government  
Medical Terminology  
Human Anatomy and Physiology  
Principles of Biomedical Sciences  
Medical Intervention  
Psychology  
**AP Psychology**  
Sociology  
World Affairs  
ROTC  
Speech  
Health Literacy  
Leadership  
Spanish 1, 2, 3, 4  
German 1, 2, 3, 4, 5  
**AP European History**  
**AP Biology**  
**AP Physics 1**  
**AP Physics 2**  
**AP Chemistry**  
**AP Spanish**

#### ***Do you enjoy...***

- Helping others?
- Making quick decisions?
- Debate/Forensics?
- Solving problems?
- Caring for the safety and security of the public domain?

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## CAREER CLUSTER

### Manufacturing

Planning, managing, and performing the processing of materials into intermediate or final products. Related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

#### TECHNICAL COLLEGE CAREERS

Appliance Technician  
Tool & Die  
Welder  
Jewelry Fabrication  
Industrial Mechanic

#### 4-YEAR COLLEGE CAREERS

Production/Plant Manager  
Human Resource  
Industrial Engineer  
Mechanical Engineer  
Chemical Engineer

#### GHS RECOMMENDED COURSES

#### **ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)**

#### EMPHASIZE:

Leadership  
Chemistry

#### **AP Chemistry**

Physics

#### **AP Physics 1**

#### **AP Physics 2**

Algebra 1, 2

Geometry

Trigonometry

Statistics and Probability

#### **AP Statistics**

Computer Programming 1, 2

#### **AP Computer Science**

Pre-Calculus

#### **AP Calculus**

Welding

Construction 1, 2

Introduction to Engineering and Design

Principles of Engineering

Civil Engineering and Architecture

Architecture

Youth Apprenticeship



#### ***Do you enjoy...***

- Working with your hands?
- Supervising others?
- Problem solving?
- Creativity?
- Analyzing how products operate?

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## **CAREER CLUSTER**

### **Marketing, Sales, and Service**

Planning, managing, and performing marketing activities to reach organizational objectives.

#### TECHNICAL COLLEGE CAREERS

Fashion Marketing  
Real Estate  
Retail Management  
Interior Design

#### 4-YEAR COLLEGE CAREERS

Marketing Director  
Fashion Design  
Athletic/Sports Agent  
Buyer/Purchaser

#### GHS RECOMMENDED COURSES

#### **ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)**

##### EMPHASIZE:

Introduction to Business  
Personal Finance  
Marketing Your Business  
Sports and Entertainment Marketing  
Web Page Creation  
Leadership  
German 1, 2, 3, 4, 5  
Spanish 1, 2, 3, 4  
**AP Spanish**  
Speech  
Psychology  
**AP Psychology**  
**AP Economics**  
Sociology  
Fashion Design  
Interior Design  
**AP Statistics**  
Youth Apprenticeship



#### ***Do you enjoy...***

- Creativity?
- Problem Solving?
- Making decisions?
- Working with others?
- Sales?

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# CAREER CLUSTER

## Science, Technology, Engineering, and Mathematics

Planning, managing, and providing scientific research and professional and technical services including laboratory and testing services, research, and development services.

### TECHNICAL SCHOOL CAREERS

Aerospace Technician  
Appliance Repairer  
Auto Body Repair  
Building Inspector  
Computer Aided Machinist  
Electronics Repairer  
Surveyor

### 4-YEAR COLLEGE CAREERS

Aeronautical Engineer  
Architect  
City Planner  
Engineer  
Marine Biology  
Meteorologist  
Technology Education Instructor

### GHS RECOMMENDED COURSES

#### ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)

#### EMPHASIZE:

Speech  
Economics  
Computer Graphics 1, 2, 3, 4  
Computer Programming 1, 2  
**AP Computer Science**  
German 1, 2,3, 4, 5  
Spanish 1, 2, 3, 4  
**AP Spanish**  
Web Page Creation  
**Statistics and Probability/AP**  
Trigonometry  
Pre-Calculus  
**Calculus/AP**  
**Biology/AP**  
**Chemistry/AP**  
**Physics/AP 1 and 2**  
Earth and the Solar System  
Principles of Biomedical Science  
Welding  
Construction 1, 2  
Introduction to Engineering and Design  
Principles of Engineering  
Civil Engineering and Architecture  
Architecture  
ROTC  
Leadership  
Youth Apprenticeship



#### ***Do you enjoy...***

- Figuring out how things work?
- Working with your hands, assembling, building, or repairing things?
- Drawing detailed plans or patterns or working with blueprints?
- Working with computers, robots, or computer controlled machines?

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# CAREER CLUSTER

## Transportation, Distribution, and Logistics

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.

### TECHNICAL COLLEGE CAREERS

Air Force Mechanic  
Truck Driver  
Pilot  
Logistical Planner

### 4-YEAR COLLEGE CAREERS

Air Traffic Controller  
Industrial Engineer  
City Planner  
Civil Engineer

### GHS RECOMMENDED COURSES

#### ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)

##### EMPHASIZE:

Construction 1, 2

Algebra 1, 2

Geometry

Trigonometry

##### **Statistics and Probability/AP**

Computer Programming 1, 2

##### **AP Computer Science**

Pre-Calculus

##### **AP Calculus**

Chemistry

##### **AP Chemistry**

Physics

##### **AP Physics 1**

##### **AP Physics 2**

Science and Society

Ecological Studies

Earth and the Solar System

Introduction to Engineering and Design

Principles of Engineering

Civil Engineering and Architecture

##### **AP Human Geography**

##### **AP Economics**

ROTC

Leadership

##### ***Do you enjoy...***

- Working outdoors?
- Travel?
- Computers?
- Mass transit?

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