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: Gsdtudent 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?

THE KEY TO YOUR FUTURE IS YOU!
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?

THE KEY TO YOUR FUTURE IS YOU!
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?
THE KEY TO YOUR FUTURE IS YOU!
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?

THE KEY TO YOUR FUTURE IS YOU!
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?

THE KEY TO YOUR FUTURE IS YOU!
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?

THE KEY TO YOUR FUTURE IS YOU!
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?

THE KEY TO YOUR FUTURE IS YOU!
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

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**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?

THE KEY TO YOUR FUTURE IS YOU!
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?

**THE KEY TO YOUR FUTURE IS YOU!**
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?

THE KEY TO YOUR FUTURE IS YOU!
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?

THE KEY TO YOUR FUTURE IS YOU!
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?

THE KEY TO YOUR FUTURE IS YOU!
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?

THE KEY TO YOUR FUTURE IS YOU!
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?

THE KEY TO YOUR FUTURE IS YOU!
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?

THE KEY TO YOUR FUTURE IS YOU!
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.

<table>
<thead>
<tr>
<th>TECHNICAL COLLEGE CAREERS</th>
<th>4-YEAR COLLEGE CAREERS</th>
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<tbody>
<tr>
<td>Air Force Mechanic</td>
<td>Air Traffic Controller</td>
</tr>
<tr>
<td>Truck Driver</td>
<td>Industrial Engineer</td>
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<tr>
<td>Pilot</td>
<td>City Planner</td>
</tr>
<tr>
<td>Logistical Planner</td>
<td>Civil Engineer</td>
</tr>
</tbody>
</table>

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**
- Earth and the Solar System
- Ecological Studies

**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?

THE KEY TO YOUR FUTURE IS YOU!