Foundations of Health & Fitness

This pathway is designed for students interested in working in the hospital, clinic, or wellness facility and earning a Health and Wellness Coach Certificate.

FRESHMAN YEAR - East Gaston	
COURSE	CREDITS
PLTW Human Body Systems	1
SOPHOMORE YEAR - East Gaston	
Biomedical Technology Sports Medicine	1

JUNIOR YEAR - Gaston College	
COURSE	CREDITS
HEA 110 Personal Health/Wellness	3
PED 110 Fit & Well for Life	2
HFS 110 Exercise Science	4
HFS 116 Prevention & Care of Exercise Injuries	3
Credits Earned:	12 Credits
SENIOR YEAR - Gaston College	
BIO 155 Nutrition	3
HEA 112 First Aid & CPR	2
PED 117 Weight Training I	1
PED 121 Walk, Jog, Run	1
Credits Earned:	7 Credits

Foundations of Medical Assisting

This pathway is designed for students interested in working in hospitals, physician's offices, health departments, and / or urgent care centers. This program will prepare students to enter the accredited Medical Assisting program after high school.

FRESHMAN YEAR - East Gaston	
COURSE	CREDITS
Health Science 1	1
SOPHOMORE YEAR - East Gaston	
Biomedical Technology	1

JUNIOR YEAR - Gaston College	
COURSE	CREDITS
MED 110 Orientation to Medical Assisting	1
MED 121 Medical Terminology I	3
MED 122 Medical Terminology II	3
OST 130 Computer Keyboarding	3
MED 140 Exam Room Procedures I	5
Credits Earned:	15 Credits
SENIOR YEAR - Gaston College	
MED 150 Laboratory Procedures I	5
ENG 111 Writing and Inquiry	3
BIO 161 Intro to Human Biology	3
Credits Earned:	11 Credits

Foundations of Healthcare

This pathway is designed to serve students interested in the Pre-Med track and preparing for a career in medicine. The courses they will take will prepare them for a four year university and beyond.

FRESHMAN YEAR - East Gaston	
COURSE	CREDITS
Honors Research Methods I	1
SOPHOMORE YEAR - East Gaston	
Honors Research Methods II	1

JUNIOR YEAR - Gaston College	
COURSE	CREDITS
ENG 111 Writing and Inquiry	3
BIO 168 Anatomy & Physiology I	4
BIO 169 Anatomy & Physiology II	4
PSY 150 General Psychology	3
Credits Earned:	14 Credits
SENIOR YEAR - Gaston College	
BIO 111 General Biology I	4
MAT 152 Statistical Methods I	4
ENG 112 Writing and Research in Disp	3
BIO 112 General Biology II	4
Credits Earned:	15 Credits

** Classes / Pathways are subject to change based on the availability of courses offered through Gaston College **

** NEW **

Cyber Security

The Cybersecurity Pathway at EGHS provides knowledge and coursework for entry-level employment supporting network infrastructure environments in various work sectors, including healthcare. The coursework in the Cybersecurity Pathway at EGHS consists of the first year of courses within the Gaston College Networking and Cyber Defense degree program. Upon completion of the Cybersecurity Pathway at EGHS, students can complete the remainder of the degree program in Networking and Cyber Defense at Gaston College.

The National Security Agency (NSA) has designated Gaston College a National Center of Academic Excellence in Cyber Defense (CAE-CD). Institutions receiving this designation have met rigorous requirements established by the NSA and have a commitment to "producing cybersecurity professionals that will reduce vulnerabilities in our national infrastructure," as per the Centers of Academic Excellence in Cybersecurity.

Course work in the Cybersecurity Pathway at EGHS and the Networking and Cyber Defense degree program at Gaston College includes design, installation, configuration, and management of network infrastructure technologies, network operating systems, information policy, and industry best practices to protect data communications. Graduates of the degree program may find employment in entry-level jobs as local area network managers, network operators, network analysts, network technicians and security administrators.

FRESHMAN YEAR - East Gaston	
COURSE	**CREDITS**
Computer Science I	1
SOPHOMORE YEAR - East Gaston	
Computer Science II	1

JUNIOR YEAR - Gaston College	
COURSE	**CREDITS**
CTI 120 Network & Security Foundation	3
CIS 110 Introduction to Computers	2
CTI 110 Web, Program, & Database Foundation	4
CIS 115 Introduction to Programming & Logic	3
CTS 115 Information Systems Business Concepts	3
NET 125 Introduction to Networks	3
ACA 122 Transfer Student Success	1
Credits Earned:	19 Credits

SENIOR YEAR - Gaston College	
NET 126 Switching & Routing	3
ENG 111 Writing and Inquiry	3
MAT 152 Statistical Methods I	3
NET 225 Enterprise Networking	3
CTE 140 Virtualization Concepts	3
PSY 150 General Psychology	3
Credits Earned:	18 Credits

Upon Completion of Pathway:

- **Gaston College Certificates Earned: Information Technology – Information Systems Certificate**

- **Will have earned 37 College Credit Hours**
    - **3 Semesters (Summer, Fall, & Spring) left to complete the Associates Degree at Gaston College.**

- **Qualifies to take the Certification Exam for various network and security industry certifications**
    - **Cisco CCNA**
    - **CompTIA Network+**
    - **CompTIA Security+**

Scan Me to Learn More

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