

Carroll County Public Schools

Career Academies



2010-11

Arts, Humanities and Communications Academy

The focus in this academy is to provide exploration opportunities for students interested in the visual arts, creative and performing arts, and mass communications.

What are the Arts, Humanities and Communications Strands?

- Applied Arts – Visual
- Applied Arts – Written and Spoken
- Creative and Performing Arts
- Humanities

Are you...

- creative, unique, imaginative?
- able to express yourself easily?
- an independent worker?
- interested in the music and arts?
- good with your hands?
- interested in learning a new language?
- excited about performing in front of others?

In your spare time, do you enjoy...

- attending musicals, theatres and museums?
- taking pictures?
- singing or acting?
- reading?
- drawing, painting, or sculpting?
- spending time with others?

Then the AHC Academy may be for you!

Sample Careers in the AHC Academy

- Actor/Actress
- Architect
- Cartoonist
- Columnist
- Draftsperson
- Fashion Artist
- Floral Arranger
- Interior Decorator/Designer
- Music Therapist
- Musician
- Radio/TV Program Writer
- Radio Announcer
- Reporter
- Stage & Prop Designer/Builder
- Writer

Holland Occupational Code

Artistic

Enterprising

Social

ARTS, HUMANITIES, AND COMMUNICATIONS

To earn an Academy Certificate, students must earn 6 credits in any strand.

Option	Creative/Performing Arts Strand	Applied Arts – Visual	Humanities Strand	Applied Arts – Written and Spoken
A		Completer Programs Floral Design (CCCTC) Textiles and Fashion Careers (CCTC)		Completer Programs Media Commun. Tech. (CCCT C) Print Production (CCCTC) Video Production (CCCTC)
B	Career Majors Drama Music Performance	Career Majors Graphic Communications Industrial and Product Design Visual Fine Arts	Career Majors Humanities and Classical Studies Library and Media	
C	Strand Courses Ancient and Medieval History (.5) AP Language and Composition (1) AP Literature and Composition (1) AP Music Theory (1) Business Principles and Practices (1) Chorus (1) H Festival Chorus (1) Concert Band I (1) Creative Writing (.5) Dance I (.5) Dance II (.5) Drama I (.5) Drama II (.5) Drama III (.5) Exploring Music (1) H Music Theory (.5) Orchestra (1) H Orchestra (1) Personal Fitness (.5) H Psychology (1) AP Psychology (1) Public Speaking (.5) Script Writing and Video Prod. (1) Speech and Debate (.5) Stage Band (1) H Wind Ensemble	Strand Courses Art II: 2 & 3 Dimension Art H Commercial Art (1)- ODD YR Business Principles & Practices (1) H Ceramics (1) EVEN YR Clothing (.5) Floral Design I (3) Floral Design II (3) Flower Design (.5) Graphic Communications (1) Horticulture (1) Landscaping (.5) EVEN YR Manufacturing & Constructions (1) Honors Mixed Media (1) ODD YR AP Physics (1) H Principles of Engineering (1) H Psychology (1) AP Psychology (1) H Studio Art (1) EVEN YEAR Technical Drawing and CADD (1) ODD YR Textiles and Fashions I (3) Textiles and Fashions II (3) Yearbook Production (.5 or 1)	Strand Courses American Revolution/Civil War (.5) Ancient and Medieval History (.5) AP European History (1) AP Language & Composition (1) AP Literature & Composition (1) AP United States History (1) ODD YR AP World History (1) Art I H British Literature & Composition (1) H French III (1) H French IV (1) AP French (1) Issues (.5) Media Center Assistant (.5 or 1) Mod Amer Lit & Comp (1) ODD YR Multicultural Lit. & Comp. (1) EVEN YR Mythology (.5) H Psychology (1) AP Psychology (1) Script Writing and Video Production (1) Sociology (.5) H Spanish III (1) H Spanish IV (1) AP Spanish (1) Survey of American Literature & Comp (1) H Twentieth Century Novel (.5) EVEN YR	Strand Courses Advanced Marketing (1) ODD YR Advanced Software Applications (1) ODD AP Literature & Composition (1) AP Language & Composition (1) H Commercial Art (1) ODD YR Creative Writing (.5) Graphic Communications (1) Marketing (1) EVEN YR Print Production (3) Public Speaking (.5) Scriptwriting & Video Production (1) Speech and Debate (.5) Video Production (3)

Other credits that may be applied to the six academy credits:

- One credit of work-based learning experience through Career Connections.
 - Four credits earned in Advanced Placement courses from any strand in any academy area
- Courses that can be repeated for credit can only count for a maximum of two academy credits.

COMPLETERS

COMPLETER: *Floral Design*

CREDITS: 6

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
	Freshman Seminar (.5)			
Option 1 Completer Program Requirements			Floral Design I (3)	Floral Design II (3)
Option 2 Completer Program Requirements		Floral Design (.5-1)	Floral Design I OR II (3)	Work-Based Learning Experience (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Financial Management Using Software Applications (1), Accounting I (1), Business Principles & Practices (1), Horticulture (1), Intro to Agriscience & Technology (1), Leadership Development (.5), Marketing I (1), Art II: 2 & 3 D Art (.5-1), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Value Added: From: Program:	3 Articulated Credits Community College of Baltimore County, Catonsville, Essex, Dundalk Floral Design Certificate			

COMPLETER: *Media Communications Technology*

CREDITS: 6

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
	Freshman Seminar (.5)			
Completer Program Requirements			Print Production	Video Production
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Graphic Communication (1), Honors Commercial Art 91, Script Writing & Video Production (1), Journalistic Writing (.5), Psychology I or Honors Psychology I (1), Business Principles & Practices (1), Drama I, II, II (.5-1.5), Art II: 2 & 3 D Art (.5-1), Electronics (1) Manufacturing & Construction Technologies (1), Technical Drawing & CADD (1), Marketing (1), Public Speaking (.5), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Value Added: End of Program Testing:	See Print Production and Video Production			

COMPLETER: *Print Production*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1) Freshman Seminar (.5)	World Language (1)		
Completer Program Requirements (4 minimum credits) (#choose 1 credit from these)			#Graphic Communications (1) #Honors Commercial Art (1)	Print Production (3)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Art II: 2 & 3 D Art (.5-1), Journalistic Writing (.5), Psychology I or Honors Psychology I (1), Business Principles & Practices (1), Drama I, II, III (.5-1.5), Electronics (1), Manufacturing & Construction Technologies (1), Marketing I (1), Newspaper Production (.5-1), Public Speaking (.5), Work-Based Experience (.5-1)			
8 credits possible per year				
Value Added:	3 articulated credits	3-16 articulated credits	4 articulated credits	
From:	Carroll Community College	Art Institute of Washington	Montgomery College	
Program:	Computer Graphics	Advertising or Graphic Design	Desktop Publishing	
End of Program Test:	Intro to Graphic Communications and Digital File Preparation (Print Ed Certification)			
Industry:	Graphic Arts Education and Research Foundation (GAREF) - PrintED			
Taken:	During Print Production			

COMPLETER: *Textiles & Fashion Careers*

CREDITS: 6

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1) Freshman Seminar (.5)	World Language (1)		
Option 1 Completer Program Requirements			Textiles & Fashion Careers I, (3)	Textiles & Fashion Careers II (3)
Option 2 Completer Program Requirements (# Choose 2 credits from these)	#Clothing (.5-1) #Needlecraft (.5-1)	#Clothing (.5-1)	#Housing & Home Furnishings (.5)	Textiles & Fashion Careers I (3)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Technical Drawing & CADD (1), Clothing (.5-2), Business Principles & Practices (1), Economics (.5), Honors Commercial Art (.5), Housing & Home Furnishing (.5), Issues in American Society (.5), Marketing (1), Needlecraft (.5-1), Art II: 2 & 3 D Art (.5-1), Psychology I or Honors Psychology I (1), Public Speaking (.5), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Value Added:	Up to 6 Articulated Credits			
From:	Bradley Academy for the Visual Arts			
Program:	Fashion Marketing			

COMPLETER: *Video Production*

CREDITS: 4

- Guideline for Course Selections
- Refer to Graduation Requirements in the Program of Studies for specific course requirements in each content area

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
	Freshman Seminar (.5)			
Completer Program Requirements (4 minimum credits) (# choose 1 credit from these)			# Graphic Communications (1) #Honors Commercial Art (1) #Script Writing & Video Production (1)	Video Production (3)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Art II: 2 & 3 D Art (.5-1), Journalistic Writing (.5), Psychology I or Honors Psychology I (1), Business Principles & Practices (1), Drama I, II, II (.5-1.5), Electronics (1) Manufacturing & Construction Technologies (1), Technical Drawing & CADD (1), Marketing (1), Public Speaking (.5), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Value Added: From: Program:	4 articulated credits Art Institute of Washington Digital Media Production			

CAREER MAJORS

CAREER MAJOR: *Drama*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)		Drama II (.5) Creative Writing (.5) Public Speaking (.5) Survey of Musical Style (.5)	Speech & Debate (5) Drama III (.5) Psych. I or Honors Psychology I (1) Business Principles & Practices (1)	Ancient & Medieval History (.5) Honors Humanities (.5) Shakespeare (.5) Script Writing & Video Production (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Manufacturing & Construction Technologies (1), Drama I (.5), AP Psychology (1), Applied Dance (.5-1), The Bible In Literature & Art (.5), Clothing (.5), Dance I (.5-1), Multicultural Literature & Composition (1), Music Elective (.5-1), Work-Based learning Experience (.5-1)			
8 credits possible per year				

CAREER MAJOR: *Graphic Communications*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)		Graphic Communications (1)	2 & 3 D Art (.5-1) Applied Art (.5-1) Technical Drawing & CADD (1) Journalistic Writing (.5)	Honors Commercial Art (1) Yearbook Production (1) Psychology I or Honors Psychology K (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	AP Psychology (1), Business Principles & Practices (1), Business Communication & Keyboarding (1), Honors Studio Art (.5-1), Marketing (1), Multicultural Literature & Composition (1), Newspaper Production (.5-1), Print Production (3), Sociology (.5), Video Production (3), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Related Completers:	Print Production, Video Production, Drafting			

CAREER MAJOR: *Humanities & Classical Studies*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)		Mythology (.5)	The Bible In Literature & Art (.5) Honors Latin III – Prose (1) Music History & Literature (.5-1)	Ancient & Medieval History (.5) World Literature & composition (1) Honors Humanities (.5) AP Latin Vergil (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Latin I (1), Business Communications & Keyboarding (1), Art I (.5-1), Drama I, II, III (.5-1.5), survey of Musical Style (.5), Shakespeare (.5), Work-Based Learning Experience (.5-1)			
8 credits possible per year				

CAREER MAJOR: *Industrial & Product Design*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)		Electronics (1)	Technical Drawing & CADD (1) Manufacturing & Construction Technologies (1)	Materials Science (1) Art II: 2 & 3 D Art (.5-1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Business Communications & Keyboarding (1), Graphic Communications (1), AP Physics (1), Technological Issues & Impacts (1), Landscaping (.5), Science Research I or Honors Science Research I (1), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Related Completers:	Drafting, Engineering, Manufacturing and Machine Technologies			

CAREER MAJOR: *Library & Media*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)			Journalistic Writing (.5) Desktop Publishing (1) Mythology (.5) Issues in American Society (.5) Script Writing & Video Production (1)	Newspaper Production (.5-1) Shakespeare (.5) Honors Humanities (.5) Honors Twentieth Century Novel (.5) Media Assistant (.5-1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Business Communications & Keyboarding (1), Graphic Communications 91), Bible In Literature & Art (.5), Drama I, II, III (.5 ea.), Honors British Lit & com. (1), Honors Survey of American lit and Comp. (1), Psychology I or Honors Psychology I (1) Work-Based Learning Experience (.5-1)			
8 credits possible per year				

CAREER MAJOR: *Music Performance*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)		Instrumental OR Choral Elective (1) Survey of Musical Style (.5) Electronic Music (.5-1) Music History & Literature (.5-1)	Business Principles & Practices (1) Chorus, Honors Chorus (.5-1) Band (1) Ensemble (.5-1) Stage Band, Honors Jazz Ensemble (1)	Honors Music Theory, AP Music Theory (.5-1) Vocal Ensemble, Hon. Vocal Ensemble (.5-1) Orchestra, Honors Orchestra (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Business Communications & Keyboarding (1), Electronics (1), Band Front (.5), Dance I (.5-1), Drama I, II, III (.5 ea.), Exploring Music (1), Script Writing & Video Production (1), Shakespeare (.5), Work-Based Learning Experience (.5-1)			
8 credits possible per year				

CAREER MAJOR: *Visual Fine Arts*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)		Art II: 2 & 3 D Art (.5-1) Graphic Communications (1)	Business Principles & Practices (1) Honors Commercial Art (1) Psychology I or Honors Psychology I (1)	Applied Art (.5-1) Honors Studio Art, AP Studio Art (.5-1) Honors Humanities (.5) Bible In Literature & Art (.5)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	AP Psychology (1), Flower Design(.5-1), Honors Ceramics (.5-1), Honors Drawing I (.5), Honors Mixed Media (.5-1), Honors Painting (.5), Needlecraft (.5-1), Technical Drawing & CADD (1), Multicultural Literature & Composition (1), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Related Completers:	Print Production, Video Production			

Business and Information Management Academy

The focus in this academy is to provide exploration opportunities for students interested in marketing and sales, management and planning, records management, financial services and computer and network services.

What are the Business and Information Management Strands?

- Business Administration and Management
- Information Management
- Advertising and Marketing

Are you...

- self-confident, ambitious, persuasive?
- comfortable working with data and information?
- able to work independently?
- able to work with computers?
- detail-oriented?
- ready to work in an office?

In your spare time, do you enjoy...

- problem solving?
- surfing the internet?
- working on the computer?
- selling things?
- working a part-time job?
- following the stock market?

Then the BIM Academy may be for you!

Sample Careers in the BIM Academy

- Accountant
- Administrative Assistant
- Appraiser
- Buyer
- Computer Desktop Publisher
- Computer Systems Analyst
- Flight Dispatcher
- Hospitality/Tourism
- Hotel Manager
- Insurance Underwriter
- Legal Secretary
- Manufacturer's Representative
- Medical Records Technician
- Restaurant Manager
- Travel Agent

Holland Occupational Code

Conventional

Investigative

Enterprising

BUSINESS AND INFORMATION MANAGEMENT

To earn an Academy Certificate, students must earn 6 credits in any strand.

Option	Business Administration and Management Strand	Advertising and Marketing Strand	Information Management Strand
A	Completer Programs Accounting (MVHS) Administrative Services (MVHS) Business Administration and Management (MVHS) Financial Services / Academy of Finance (WHS)	Completer Program Marketing (MVHS)	Completer Programs CISCO Network Academy (CCCTC) Computer Technology (CCCTC)
B	Career Majors Actuarial Science Hospitality and Tourism Human Resources Management International Business Operations Management	Career Majors Advertising Mass Communications Public Relations	Career Major Computer Science and System Analysis Information Systems Management
C	Strand Courses H Accounting I (1) Accounting II (1) ODD YR Advanced Marketing (1) Advanced Software Applications (1) ODD YR AP European History (1) AP United States History (1) ODD YR AP World History Business Law (1) EVEN YR Business Principles and Practices (1) E-Commerce and Entrepreneurship (1) EVEN YR Finance Academy II (1) H Finance Academy II (1) Financial Management Using Software Applications (1) Honors Finance Academy I (2) Honors French III (1) Honors French IV (1) AP French (1) H Principles of Engineering (1) Issues (.5) Leadership Development (.5) ODD YR Marketing (1) EVEN YR H Psychology I (1) AP Psychology (1) Public Speaking (.5) Sociology (.5) H Spanish III (1) H Spanish IV (1) AP Spanish (1)	Strand Courses Advanced Software Applications (1) ODD YR AP Language & Composition (1) AP Literature & Composition (1) Art II: 2 & 3 Dimension Art (1) H Commercial Art (1) ODD YR Business Law (1) EVEN YR Creative Writing (.5) Drama I (.5) Drama II (.5) Financial Management Using Software Applications (1) Graphic Communications (1) Marketing (1) EVEN YR Advanced Marketing (1) H Psychology I (1) AP Psychology (1) Public Speaking (.5) Script Writing and Video Production (1) Sociology (.5) Speech and Debate (.5) Video Production (3) Yearbook Production (.5 or 1)	Strand Courses H Accounting I (1) Advanced Software Applications (1) ODD YR Business Principles and Practices (1) H Pre-Calculus (1) Calculus (1) AP Calculus AB (1) Computer Installation and Maintenance (1) H Computer Technology I (3) AP Computer Technology II (3) Financial Management Using Software Applications (1) Introduction to Engineering Design (1) Principles of Engineering (1) Science Research I (1) H Science Research I (1) Technical Support & Networking I (3) Technical Support & Networking II (3) H Trigonometry and Pre-Calculus (1)

Other credits that may be applied to the six academy credits:

- One credit of work-based learning experience through Career Connections.
- Four credits earned in Advanced Placement courses from any strand in any academy area.

Courses that can be repeated for credit can only count for a maximum of two academy credits.

COMPLETERS

COMPLETER: *Accounting*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
	Freshman Seminar (.5)			
	Business Communications & Keyboarding (1)			
Completer Program Requirements		Business Principles & Practices (1) Financial Mgmt. Using Software Applications (1)	Honors Accounting I (1)	Accounting II (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	AP Macroeconomics (1), Business Law (1), Desktop Publishing (1), Economics (.5), Honors Calculus (1), AP Calculus AB (1), AP Calculus BC (1), Honors Finance Academy I (2), Office Systems Management (1), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Value Added: From" Program:	3 Transcribed Credits Carroll Community College Accounting			
End of Program Test: Industry: Taken:	Accounting 101 Final Exam Carroll Community College At the end of Accounting II			

COMPLETER: *Administrative Services*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	Health (.5)	PE (1)		
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
	Freshman Seminar (.5)			
Completer Program Requirements	Prerequisite: Business Communications & Keyboarding (1)	Business Principles & Practices (1)	Financial Management Using Software Applications (1)	Office Systems Management (1) Advanced Software Applications (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Accounting I (1), Business Law (1), Desktop Publishing (1), Marketing (1), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Value Added: From: Program:	Up to 27 Articulated credits Carroll Community College Office Technology			
End of Program Test: Industry: Taken:	Microsoft Office Specialist Expert Word or Excel Exam Microsoft At the end of Advanced Software Applications			

COMPLETER: *Business Administration & Management* CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
	Freshman Seminar (.5)			
Completer Program Requirements		Business Principles & Practices (1) Financial Management Using Software Applications (1)	Honors Accounting I (1)	E-Commerce and Entrepreneurship (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	AP Probability & Statistics (1), Accounting II (1), AP Psychology (1), Business Law (1), Honors Calculus, AP Calculus AB, AP Calculus BC (1), Issues in American Society (.5), Psychology I or Honors Psychology I (1), Leadership Development (.5), Sociology (.5), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Value Added:	3 Articulated credits			
From:	Community College of Baltimore County, Catonsville, Essex or Dundalk			
Program:	Business Management			
End of Program Test:	Microsoft Office Specialist, Specialist or Expert Excel Exam			
Industry:	Microsoft			
Taken:	At the end of E-Commerce and Entrepreneurship			

COMPLETER: Cisco Networking Academy

CREDITS: 5 - 6

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1) Freshman Seminar (.5)	World Language (1)		
Option 1 Completer Program Requirements 6 credits			CCNA: Discovery I & II (3)	CCNA: Discovery III & IV (3) OR PC Hardware and Software (3)
Option 2 Completer Program Requirements 5 credits			CCNA: Discovery I & II (3)	IT Internship (2) OR Dual Enrollment (2)
Option 3 Completer Program Requirements 5 credits				PC Hardware and Software (3) IT Internship (2) OR Dual Enrollment (2)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied) 8 credits possible per year	Intro to Electronics (.5), World Language (1), Financial Management Using Software Applications (1), Accounting I (1), Advanced Electronics (1), Business Law (1), Leadership Development (.5), Work-Based Learning Experience (.5-1)			
Value Added: From: Program:	Up to 27 Articulated Credits Community College of Baltimore County, Catonsville, Essex, or Dundalk Information Technology			
End of Program Test: Industry: Taken:	Cisco CCENT CCNA / CompTIA A+ certification CISCO / CompTIA At the end of CCNA Discovery / PC Hardware and Software			

COMPLETER: *Computer Technology*

CREDITS: 6

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
	Freshman Seminar (.5)			
Completer Program Requirements			Honors Computer Technology I (3)	AP Computer Technology II (3)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied) 8 credits possible per year	Business Communications & Keyboarding (1), Financial Management Using Software Applications (1), Math Elective Beyond Alg. II/Data Analysis (.5-1), Accounting I, II (1-2), Business Law (1), Business Principles & Practices (1), AP Prob. & Statistics (1), Work-Based Learning Experience (.5-1)			
Value Added:	Up to 11 Articulated credits Carroll Community College Computer Information Systems		10 Articulated credits Community College of Baltimore County, Catonsville, Essex, or Dundalk Information Technology	
End of Program Test:	Advanced Placement Computer Science A Exam			
Industry:	College Board			
Taken:	Spring after AP Computer Technology II			

COMPLETER: *Financial Services/National Academy of Finance Endorsement*
CREDITS: 6

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
	Business Communications & Keyboarding (1)			
Completer Program Requirements		Prerequisite: Financial Mgmt. Using Software Applications (1)	Honors Accounting I (1) Honors Finance Academy I (2)	Accounting II (1) Honors Finance Academy II (1) Work-Based Learning Experience Internship (1)
Additional Requirements for NAF Endorsement (8 credits)	Freshman Seminar (.5) (Strongly encouraged by NAF)			Concurrent Enrollment in finance course (.5) Additional Work-Based Learning Experience- Internship combined with above (1); paid
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Business Principles & Practices (1), Business Law (1), Economics (.5), Office Systems Management (1)			
8 credits possible per year				
Value Added: From: Program:	3 Transcribed credits via Financial Services completer; 6 total Transcribed credits via Academy of Finance Carroll Community College Accounting			

COMPLETER: *Marketing*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
	Freshman Seminar (.5) Business Communications & Keyboarding (1)			
Completer Program Requirements		Business Principles and Practices (1) Financial Management Using Software Applications (1)	Marketing (1)	Advanced Marketing (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	AP Probability & Statistics (1), Accounting I, II (1-2), Business Law (1), Graphic Communications (1), Issues in American Society (.5), Office Systems Management (1), Political Science (.5), Public Speaking (.5), Sociology (.5), Word Processing (1), World Geography (.5), Technological Issues & Impacts (1)			
8 credits possible per year				
Value Added:	3 credits			
From:	Community College of Baltimore County, Catonsville			
Program:	Business Management – Marketing			
End of Program Test:	Principles of Marketing			
Industry:	College Board – CLEP			
Taken:	End of Advanced Marketing			

CAREER MAJORS

CAREER MAJOR: *Actuarial Science*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)		Financial Management Using Software Applications 91)	Marketing (1) Accounting I (1) Economics (.5)	Business Law (1) AP Prob. & Stats. (1) Math Elective beyond Alg. II/Data Analysis (.5-1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Business Principles & Practices (1), AP Macroeconomics (1), Accounting II (1), Adv. Marketing (1), Alg. II/DA (1), Trig & Pre-Calc. or Hon. Trig & Pre-Calc (1), Psychology I or Honors Psychology I (1), Sociology (.5), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Related Completers:	Accounting			

CAREER MAJOR: *Advertising*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)		Graphic Communications (1)	Marketing (1) Honors Commercial Art (1) Public Speaking (.5) Creative Writing (.5)	Psychology I or Honors Psychology I (1) Script Writing & Video Production (1) Sociology (.5) Desktop Publishing (1) Economics (.5)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Art II: 2 & 3 D Art (.5), Adv. Marketing (1), AP Language & Composition (1), Business Law (1), Business Principles & Practices (1), Journalistic Writing (.5), Multicultural Literature and Composition (1), Newspaper Production (.5-1), Financial Management Using Software Applications (1), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Related Completers:	Marketing, Print Production, Video Production			

CAREER MAJOR: *Computer Science & Systems Analysis* CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)			Financial Management Using Software Applications (1) AP Probability & Stats. Math elective beyond Alg. II/DA (.5-1)	Science Research I or Honors Science Research I (1) Trig & Pre-Calc. or Hon. Trig & Pre-Calc. (1) Work-Based Learning Experience (.5-1) Adv. Software Applic. (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Electronics (1), Honors Alg./DA – Course 3 (1), Business Principles (1), AP Calculus AB (1), AP Calculus BC (1), Computer Installation & Maintenance (1)			
8 credits possible per year				
Related Completers:	Computer Technology			

CAREER MAJOR: *Economics*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)		Business Principles & Practices (1)	Marketing (1) Accounting I (1) Issues In American Society (.5) Sociology (.5)	Economics (.5) Business Law (1) AP Probability & Statistics (1) AP Macroeconomics (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Accounting II (1), Financial Management Using Software Applications (1), Advanced Marketing (1), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Related Completers:	Accounting			

CAREER MAJOR: *Hospitality & Tourism*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)		Business Principles & Practices (1)	Honors World Language III (1) Leadership Development (.5) Marketing I (1) Economics (.5)	World Geography (.5) Sociology (.5) Psychology I OR Honors Psychology I (1) Public Speaking (.5)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Accounting I (1), Marketing II (1), AP Psychology (1), Creative Writing (.5), Honors or AP World Language IV (1), Financial Management Using Software Applications (1), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Related Completers:	Culinary Arts, Business Administration & Management			

CAREER MAJOR: *Human Resources Management*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)		Public Speaking (.5)	Marketing (1) Honors Accounting I (1) Psychology I or Honors Psychology I (1) Business Law (1)	Issues in American Society (.5) AP Probability & Stat. (1) Sociology (.5) AP Psychology (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Business Communications & Keyboarding (1), Business Principles & Practices (1), Desktop Publishing (.5), Economics (.5), Leadership Development (.5), Financial Management Using Software Applications (1), Work-Based Learning Experience (.5-1)			
8 credits possible per year				

CAREER MAJOR: *Information Systems Management*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)			Business Principles & Practices (1) Financial Management Using Software Applications (1) Economics (.5)	AP Prob. & Stats. (1) Accounting I (1) Math Elective beyond Alg. II/Data Analysis (1) Adv. Software Applications (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Business Principles & Practices (1), AP Macroeconomics (1), Accounting II (1), Adv. Marketing (1), Alg. II/DA (1), Trig & Pre-Calc. or Hon. Trig & Pre-Calc (1), Psychology I or Honors Psychology I (1), Sociology (.5), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Related Completers:	Accounting, Computer Technology, Technical Support/Networking			

CAREER MAJOR: *International Business*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)		Public Speaking (.5) Business Principles & Practices (1)	Honors World Language III (1) Accounting I (1) Business law (1) Sociology (.5) Psychology I or Honors Psychology I (1)	Honors or AP World Language IV (1) Economics (.5) World Geography (.5) Marketing (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Business Communications & Keyboarding (1), Accounting II (1), Adv. Marketing (1), AP Macroeconomics (1), AP Psychology (1), AP Probability & Statistics (1), Issues in American Society (.5), Leadership Development (.5), Financial Management Using Software Applications (1), Work-Based Learning Experience (.5-1)			

CAREER MAJOR: *Mass Communications*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)		Drama I (.5)	Journalistic Writing (.5) Drama II (.5) Public Speaking (.5) Creative Writing (.5) Script Writing & Video Production (1)	Psychology I or Honors Psychology I(1) Financial Management Using Software Applications (1) Business Law (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Business Communications & Keyboarding (1), AP Psychology (1), Business Principles & Practices (1), Economics (.5), Marketing (1), Music Elective (.5-1), Sociology (15), Speech & Debate (.5), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Related Completers:	Print Production, Video Production			

CAREER MAJOR: *Operations Management*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)		Business Principles & Practices (1)	Marketing (1)	Honors Accounting I (1) Financial Management Using Software Applications (1) Business Law (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Manufacturing & Construction Technologies (1), Electronics (1), Advanced Marketing 91), AP Psychology (1), Economics (.5), Psychology I or Honors Psychology I (1), Sociology (.5), Technical Drawing & CADD (1), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Related Completers:	Building Maintenance			

CAREER MAJOR: *Public Relations*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)		Graphic Communications (1)	Public Speaking (.5) Leadership Development (.5) Marketing (1) Business Law (1)	Economics (.5) Sociology (.5) Adv. Marketing (1) Creative Writing (.5)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Business Communications & Keyboarding (1), Honors Commercial Art (1), AP Probability & Statistics (1), AP Psychology (1), Desktop Publishing (.5), Music Elective (.5-1), Financial Management Using Software Applications (1), Work-Based Learning Experience (.5-1), Art II:2 & 3 D Art (.5-1)			
8 credits possible per year				
Related Completers:	Marketing			

Health, Human and Social Sciences Academy

The focus in this academy is to provide exploration opportunities for students interested in general health care, education, social and government services, and personal and customer services.

What are the Health, Human and Social Sciences Strands?

- Health and Medical Services
- Human Services
- Social Sciences

Are you...

- understanding, compassionate, empathetic?
- comfortable caring for other people?
- able to work well on a team?
- concerned for the health and well-being of others?
- interested in investigating or searching for answers?

In your spare time, do you enjoy...

- helping other people?
- babysitting?
- athletics and working out?
- learning about other people?
- reading?
- Volunteering?

Then the HHSS Academy may be for you!

Sample Careers in the HHSS Academy

- Administrator (Principal)
- Athletic Coach
- Cosmetologist
- Counselor (mental health)
- Emergency Medical Technician
- Employee Relations Manager
- General Practitioner
- Hospital Administrator
- Military Officer
- Paralegal Assistant
- Pediatric Nurse
- Psychologist
- Recreational Therapist
- Social Worker
- Sports Announcer

Holland Occupational Code

Social

Investigative

Enterprising

HEALTH, HUMAN, AND SOCIAL SCIENCES

To earn an Academy Certificate, students must earn 6 credits in any strand

Option	Health and Medical Services Strand	Human Services Strand	Social Sciences and Government Strand
A	Completer Programs Academy of Health (CCCTC) Emergency Services Technology (CCCTC)	Completer Programs Cosmetology (CCCTC) Culinary Arts (CCTCC) Early Childhood Education (CCCTC) Food Service and Hospitality Management (CCCTC) Teacher Academy (Middle & High School) (CCCTC)	
B	Career Majors	Career Majors Family and Consumer Sciences Hospitality and Tourism Social Work Sports and Recreation	Career Majors History International Studies Law and Legal Services Social Science Urban and Regional Planning
C	Strand Courses Advanced Foods (1) Allied Health Careers I (3) Allied Health Careers II (.5-3) AP Biology (1) EVEN YR H Pre-Calculus (1) Calculus (1) AP Calculus AB (1) Chemistry II (1) H Chemistry II (1) AP Chemistry (1) ODD YR Emergency Services Technology (4) Health II (.5) Human Anatomy and Physiology (1) H Human Anatomy and Physiology (1) EVEN YR Issues in American Society (.5) AP Physics (1) Science Research I (1) H Science Research I (1) Sociology (.5) H Trigonometry and Pre-Calculus (1)	Strand Courses H Accounting I (1) EVEN YR Accounting II (1) ODD YR Advanced Foods (1) Advanced Software Applications (1) ODD YR AP Biology (1) EVEN YR Business Principles and Practices (1) Child and Adolescent Development (1) Child Development Laboratory (1) Advanced Laboratory – Child Development (1) Clothing (.5) Principles and Practices of Cosmetology (3) Advanced Cosmetology: Theory & Application (3) Mastery of Cosmetology (3) Culinary Arts I (3) Culinary Arts II (3) Curriculum & Instruction (1) Drama I , II, III (.5 each) Early Childhood Education Seminar (3) Education Academy Internship (1) Financial Management Using Software Applications (1) Foundation of Curriculum & Instruction (1) Health II (.5) H Human Anatomy and Physiology (1) EVEN YR Introduction to Foods (.5) Issues in American Society (.5) Leadership Development (.5) ODD YR Lifetime Fitness (.5) Advanced Lifetime Fitness & Team Sports (.5) Marketing (1) EVEN YR Organization & Admin in Physical Education (.5 or 1) Peer Facilitating (.5) Personal Fitness (.5) H. Psychology/AP Psychology (1) Pro-Start I, II (1) Public Speaking (.5) Sociology (.5) H Spanish III (1) H Spanish IV (1) AP Spanish (1) Teaching as a Profession (1) Technical Drawing and CADD (1) ODD YR Weight Training (.5) and Adv. Weight Training (1)	Strand Courses American Revolution/Civil War (.5) Ancient & Medieval History (.5) ODD YR Aquatic Environmental Ecology (.5) EVEN YR Business Law (1) EVEN YR Earth & Space Science (.5) EVEN YR Earth Science (.5) ODD YR AP European History (1) H French III (1) H French IV (1) AP French (1) Issues (.5) Landscaping (.5) EVEN YR AP Language & Composition (1) Leadership Development (.5) ODD YR AP Literature & Composition (1) Multicultural Literature & Composition (1) EVEN YR Mythology (1) Peer Facilitating (.5) H Psychology (1) AP Psychology (1) Public Speaking (.5) Science Research I (1) H Science Research I (1) Sociology (.5) Speech and Debate (.5) Technical Drawing & CADD (1) ODD YR Terrestrial Environmental Ecology (.5) ODD YR AP United States History (1) ODD YR AP World History (1)

Other credits that may be applied to the six academy credits:

- One credit of work-based learning experience through Career Connections.
 - Four credits earned in Advanced Placement courses from any strand in any academy area.
- Courses that can be repeated for credit can only count for a maximum of two academy credits.

COMPLETERS

COMPLETER: *Academy of Health Professionals*

CREDITS: 4 to 6

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	Chemistry II (1)
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1) Freshman Seminar (.5)	World Language (1)		
Option 1 Completer Program Requirements 6 credits				Foundations of Medicine and Health Science (1) Structure and Functions of the Human Body (1) CNA – Theory and Clinical (1) Surgical Technology (includes clinical) (3) OR Health Care Technician (includes clinical) (3)
Option 2 Completer Program Requirements 4 credits				Foundations of Medicine and Health Science (1) Structure and Functions of the Human Body (1) CNA – Theory and Clinical (1) Academy of Health Professionals Internship (1-3) OR Dual Enrollment (1)
Option 3 Completer Program Requirements 4 credits				Foundations of Medicine and Health Science (1) Structure and Functions of the Human Body (1) Specialized Medical Option (1) Academy of Health Professionals Internship (1-3) OR Dual Enrollment (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Business Communications and Keyboarding 91, Health II (.5), Human Anatomy & Physiology or Honors Human Anatomy & Physiology (1), Math Elective beyond Alg. II/DA (.5-1), AP Biology, AP Chemistry (1), AP Psychology (1), Biology II (1), Leadership Development (.5), Psychology I or Honors Psychology I (1), Public Speaking (.5), Sociology (.5), Work-Based Learning Experience 3 (.5-2)			
8 credits possible per year				
Value Added:	Receives required C.N.A. Certification hours			
End of Program Test: Industry: Taken:	Certified Nursing Assistant Exam / Geriatric Nursing Assistant Exam or Determined by coursework Maryland Board of Nursing or Carroll Community College During CNA – Theory and Clinical or During Specialized Medical Option			

COMPLETER: *Cosmetology*

CREDITS: 9

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
	Freshman Seminar (.5)			
Completer Program Requirements			Principles & Practices of Cosmetology (3)	Adv. Cosmetology Theory & Application (3) Mastery of Cosmetology (3)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Living with Biotechnology (.5), Business Principles and Practices (1), Leadership Development (.5), Public Speaking (.5)			
8 credits possible per year				
Value Added:	1,000 hour letter/eligibility to participate in supervised work based experience in a salon setting			
End of Program Test:	State Board Cosmetology Exam			
Industry:	Maryland State Board of Cosmetology			
Taken:	At the end of Mastery of Cosmetology			

COMPLETER: *Culinary Arts*

CREDITS: 6

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	French I (1)	French II (1)		
	Freshman Seminar (.5)			
Completer Program Requirements			Culinary Arts I: Culinary Basics (3)	Culinary Arts II: Professional Baking & Pastry (3) or Culinary Arts II: Professional Cooking
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Advanced Foods (1), Living with Biotechnology (.5), Science Elective (.5-1), Accounting I, II (1 ea.), Business Law (1), Business Principles & Practices (1), Business Communications & Keyboarding (1), Economics (.5), Food & Nutrition Science (1), Health II (.5), Human Anatomy & Physiology or Honors Human Anatomy & Physiology (1), Psychology I or Honors Psychology I (1), Sociology (.5), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Value Added:	Up to 6 Articulated Credits Howard Community College Hospitality Management		American Culinary Federation (ACF) Certification	ProStart Affiliation
End of Program Test:	ACF – Culinary Arts, Cook Level 2			
Industry:	American Culinary Federation			
Taken:	At the end of Culinary Arts II: Professional Cooking			

COMPLETER: *Early Childhood Education*

CREDITS: 5

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
	Freshman Seminar (.5)			
Completer Program Requirements		Honors Child & Adolescent Development (1) Child Development Laboratory (1)	Advanced Child Development Laboratory (1)	Early Childhood Education Seminar & Internship (2)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Business Communications & Keyboarding (1), Living with Biotechnology (.5), Psychology I or Honors Psychology I (1), Sociology (.5), Aid in Special Ed. (.5), Art Elective (1), AP Psychology (1), Business Principles & Practices (1), Drama I, II, III (.5-1.5), Health II (.5), Leadership Development (.5), Music Elective (.5), Peer Facilitating (.5), Personal Relationships & Effective Parenting (1), Public Speaking (.5), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Value Added: From: Program:	Receives required State certification hours	6 Articulated credits Carroll Community College Early Childhood Education	3-6 Articulated credits Stevenson University Elementary Education or Early Childhood	
End of Program Test: Industry: Taken:	ParaPro Exam Educational Testing Service At the end of Seminar & Internship			

COMPLETER: *Emergency Service Technology*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
	Freshman Seminar (.5)			
Completer Program Requirements				Emergency Service Technology (4)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Business Communications & Keyboarding (1), Health II (.5), Human Anatomy & Physiology or Honors Human Anatomy & Physiology (1), AP Biology (1), Biology II (1), AP Psychology (1), Issues in American Society (.5), Leadership Development (.5), Psychology I or Honors Psychology (1), Public Speaking (.5), Sociology (.5), Work-Based Learning Experience (.5)			
8 credits possible per year				
Value Added: From: Program:	Approved by ACE/PONSI for college equivalent credit	5 Articulated Credits Community College of Baltimore County, Catonsville Emergency Medical Technology		
End of Program Test: Industry: Taken:	EMT, HAZMAT, Firefighter I, Rescue Technology, & Truck Company Operations Maryland Fire & Rescue Institute At the completion of each section during Emergency Services Technology			

COMPLETER: *Food Service & Hospitality Management (ProStart)*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
	Freshman Seminar (.5)			
Completer Program Requirements		Prerequisite: Introduction to Foods (1)	Business Principles and Practices (1) Food Service Professional (1)	Food Service Professional II (1) Work-Based Learning Experience (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	French I (1), French II (1), Living with Biotechnology (.5), Science Elective (.5-1), Accounting I, II (1 ea.), Business Law (1), Business Principles & Practices (1), Business Communications & Keyboarding (1), Economics (.5), Health II (.5), Human Anatomy & Physiology or Honors Human Anatomy & Physiology (1), Psychology I or Honors Psychology I (1), Sociology (.5), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Value Added: From: Program:	ProStart Affiliated Colleges		6-7 articulated credits Paul Smith's College Culinary Arts and Service Management	
End of Program Test: Industry: Taken:	ProStart and Serve Safe Exams ProStart and Serve Safe At the end of ProStart II			

COMPLETER: *Teacher Academy of MD/ Education – Middle & High School*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
	Freshman Seminar (.5)		Additional coursework in teaching content area	
Completer Program Requirements		Honors Child & Adolescent Development (1)	Honors Teaching as a Profession (1) Foundations of Curriculum & Instruction (1)	Education Academy Internship (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Students should focus elective choices in the content area they aspire to teach. Business Communications and Keyboarding (1), Psychology I or Honors Psychology I (1), Aid in Special Education (.5), AP Psychology (1), Drama I, II, III (.5-1.5), Leadership Development (.5), Peer Facilitating (.5), Personal Relationships & Effective Parenting (1), Public Speaking (.5), Public Speaking (.5)			
8 credits possible per year				
Value Added: From: Program:	3 Articulated credits Community College of Baltimore County Teacher Education		4 Articulated Credits Carroll Community College Teacher Education Program	
End of Program Test: Industry: Taken:	ParaPro Exam Educational Testing Service At the end of Internship			

CAREER MAJORS

CAREER MAJOR: *Family & Consumer Studies*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)		Child Development Laboratory (1)	Adv. Foods (1) Food & Nutrition Science (1) Housing & Home Furnishings (.5)	Sociology (.5) Psychology I or Honors Psychology I (1) Personal Relationships & Effective Parenting (1) Economics (.5)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Living with Biotechnology (.5), Child & Adolescent Development (1), Chemistry II or Honors Chemistry II (1), Adv. Child Dev. Laboratory (1), Art Elective (1), Clothing (.5-2), Flower Design (.5-1), Health II (.5), Technical Drawing & CADD (1), Issues in American Society (.5), Journalistic Writing (.5), Leadership Development (.5), Marketing (1), Music Elective (.5-1), Needlecraft (.5-1), Public Speaking (.5), Work-Based Learning Experience (.5-2)			
8 credits possible per year				
Related Completers:	Early Childhood Education, Culinary Arts, Floral Design, Textiles & Fashion Careers			

CAREER MAJOR: *Food & Nutrition Science*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)	Living with Biotechnology (.5)	Issues in American Society (.5)	Adv. Foods (1) Food & Nutrition Science (1) Human Anatomy & Physiology or Honors Human Anatomy & Physiology (1)	Chemistry II or Honors Chemistry II (1) Biology II or AP Biology (1) Science Research I or Honors Science Research I (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Introduction to Agriscience & Technology (1), AP Chemistry (1), AP Probability & Stat. (1), Psychology I or Honors Psychology I (1), Sociology (.5), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Related Completers:	Culinary Arts			

CAREER MAJOR: *History*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)		Ancient & Medieval History (.5) World Geography (.5) Multicultural Literature & Composition (1)	American Revolution & the Civil War (.5) Issues in American Society (.5) Mythology (.5)	AP European History (1) World Literature & Composition (1) International Studies (.5)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Business Communications & Keyboarding (1), Art I (.5-1), Honors Humanities (.5), Music History & Literature (.5-1), Sociology (.5), Survey of Musical Style (.5), The Bible In Literature & Art (.5), Work-Based Learning Experience (.5-1)			
8 credits possible per year				

CAREER MAJOR: *Hospitality & Tourism*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)		Business Principles & Practices (1)	Honors World Language III (1) Leadership Development (.5) Marketing I (1) Economics (.5)	World Geography (.5) Sociology (.5) Psychology I OR Honors Psychology I (1) Public Speaking (.5)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Accounting I (1), Marketing II (1), AP Psychology (1), Creative Writing (.5), Honors or AP World Language IV (1), Financial Management Using Software Applications (1), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Related Completers:	Culinary Arts, Business Administration & Management			

CAREER MAJOR: *International Studies*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)		Public Speaking (.5)	Honors World Language III (1) Sociology (.5) World Geography (.5) International Studies (.5)	Honors or AP World Language IV (1) Economics (.5) Psychology I or Honors Psychology I (1) Political Science (.5)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Business Communications & Keyboarding (1), AP Probability & Statistics (1), AP European History (1), AP Language & Composition (1), AP Macroeconomics (1), AP Psychology (1), Issues in American Society (.5), Leadership Development (.5), Marketing (1), Speech & Debate (.5), Work-Based Learning Experience (.5-1)			
8 credits possible per year				

CAREER MAJOR: *Law & Legal Services*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)		Issues in American Society (.5) Leadership Development (.5)	Public Speaking (.5) Sociology (.5) World Geography (.5) Political Science (.5) Psychology I or Honors Psychology I (1)	Speech and Debate (.5) Economics (.5) AP Psychology (1) AP Probability & Stat. (1) Business Law (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Business Communications & Keyboarding (1), AP Language & Composition (1), AP Macroeconomics (1), Honors World Language III (1), Living with Biotechnology (.5), Peer Facilitating (.5), Science Research I or Honors Science Research I (1), World Geography (.5), Work-Based Learning Experience (.5-1)			
8 credits possible per year				

CAREER MAJOR: *Social Science*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)		World Geography (.5) Issues in American Society (.5)	Psychology I or Honors Psychology I (1) Political Science (.5) Sociology (.5) Public Speaking (.5)	AP Psychology (1) Economics (.5) Speech & Debate (.5) Honors Humanities (.5) Multicultural Literature & Composition (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Business Communications & Keyboarding (1), History Elective (.5-1), AP Macroeconomics (1), Child & Adolescent Development (1), Technological Issues & Impacts (1), Music History & Literature (.5-1) Peer Facilitating (.5), Personal Relations & Effective Parenting (1), Work-Based Learning Experience (.5-1)			
8 credits possible per year				

CAREER MAJOR: *Social Work*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)		Child & Adolescent Development (1)	Psychology I or Honors Psychology I (1) Political Science (.5) Sociology (.5) Public Speaking (.5) Leadership Dev. (.5) Honors Spanish III (1)	AP Psychology (1) Peer Facilitating (.5) Personal Relations & Effective Parenting (1) Issues in American Society (.5)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Living with Biotechnology (.5), Spanish II (1), AP Probability & Statistics (1), Child Development Laboratory (1), Advanced Child Development Laboratory (1), AP Language & Composition (1), Economics (.5), Health II (.5), American Sign Language (.5), Work-Based Learning Experience (.5-1)			
8 credits possible per year				

CAREER MAJOR: *Sports & Recreation*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)	Living with Biotechnology (.5)	Health II (.5)	Human Anatomy & Physiology or Honors Human Anatomy & Physiology (1) Personal Fitness (.5-1) Leadership Development (.5) Psychology I or Honors Psychology I (1)	Biology II, AP Biology (1 ea.), Organization & Admin. In Physical Education (.5), Sociology (.5), Financial Management Using Software Applications (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	AP Probability & Statistics (1), Individual/Dual Sports (.5-1), Applied Dance (.5-1), Business Principles and Practices (1), Child & Adolescent Development (1), Dance I (.5-1), Gymnastics & Tumbling (.5), Marketing (1), Public Speaking (.5), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Related Completers	Allied Health Careers			

CAREER MAJOR: *Urban & Regional Planning*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)		Technical Drawing & CADD (1) Issues in American Society (.5)	Ecology (1) Public Speaking (.5) Sociology (.5) World Geography (.5) Economics (.5)	Environmental Conservation (1) AP Probability & Statistics (1) Earth & Space Science or Honors Earth & Space Science (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Business Communications & Keyboarding (1), AP Environmental Studies (1), AP Macroeconomics (1), Landscaping (.5), Leadership Development (.5), Political Science (.5), Psychology I Or Honors Psychology I (1), Financial Management Using Software Applications (1), Speech & Debate (.5), Technological Issues & Impacts (1), Art II: 2 & 3 D Art (.5-1), Work-Based Learning Experience (.5-1)			
8 credits possible per year				

Science, Technology, Engineering & Mathematics Academy

The focus in this academy is to provide exploration opportunities for students interested in engineering and other applied technologies, medical specialties and technologies, natural sciences and mathematics.

What are the Health, Human and Social Sciences Strands?

- Engineering and other applied Technologies
- Agriculture/Veterinary Science
- Natural Sciences and Mathematics

Are you...

- practical, hard-working, detail-oriented?
- good working with your hands?
- good at Math and Science?
- able to work with accuracy and precision?
- a problem solver?
- someone that enjoys working with tools or machines?

In your spare time, do you enjoy...

- working on cars or other machines?
- building things?
- working in nature?
- researching information?
- camping or other outdoor activities?
- working with puzzles?

Then the STEM Academy may be for you!

Sample Careers in the STEM Academy

- | | |
|---------------------------|-----------------------|
| ➤ Agriculturalist | ➤ Park Ranger |
| ➤ HVAC Technician | ➤ Horticulturalist |
| ➤ Auto Service Technician | ➤ Mathematician |
| ➤ Biologist | ➤ Research Analyst |
| ➤ Chemist | ➤ Robotics Technician |
| ➤ Computer System Analyst | ➤ Veterinarian |
| ➤ Engineer | ➤ Wildlife Management |

Holland Occupational Code

Realistic

Investigative

Conventional

SCIENCE, TECHNOLOGY, ENGINEERING & MATH

To earn an Academy Certificate, students must earn 6 credits in any strand

Option	Agriculture and Veterinary Science Strand	Engineering & Applied Technology Strand	Natural Sciences & Mathematics Strand
A	Completer Programs Animal and Veterinary Science (MVHS) Horticulture (MVHS) Landscaping Design and Construction (CCCTC) Wildlife and Natural Resources Management (MVHS)	Completer Programs Auto Service Technology (CCCTCC) Building Maintenance (CCCTCC) Carpentry (CCCTCC) Collision Repair Technology (CCCTCC) Drafting (CCCTCC) Electrical Construction (CCCTCC) Heating, Ventilation, and Air Conditioning (CCCTCC) Heavy Equipment and Truck Tech. (CCCTCC) Manufacturing and Machine Technologies (CCCTCC) Masonry (CCCTCC) Welding Technology (CCCTCC)	Completer Programs Engineering Technology (CCCTCC) (Project Lead The Way) Biomedical Science (CCCTCC) (Project Lead The Way)
B	Course Major Environmental Health Life Science		Course Majors Mathematics Physical Science
C	Strand Courses Advanced Marketing (1) Advanced Software Applications (1) ODD YR Agricultural Mechanical Technology (1) EVEN YR Animal Care & Management (1) AP Environmental Studies (1) ODD YR Aquatic Environmental Ecology (.5) EVEN YR AP Biology (1) EVEN YR Business Law (10) Business Principles & Practices (1) Chemistry II (1) H Chemistry II (1) Equine Science (.5) EVEN YR Flower Design (.5) Health II (.5) Horticulture (1) Human Anatomy & Physiology (1) H Human Anatomy & Physiology (1) EVEN YR Introduction to Agriscience & Technology (1) Issues (.5) Landscaping (.5) EVEN YR Landscaping Design & Construction I (3) Landscaping Design & Construction II (3) Leadership Development (.5) ODD YR Marketing 91) EVEN YR Public Speaking (.5) Science Research I (1) H Science Research I (1) Sociology (.5) H Spanish III (1) H Spanish IV (1) AP Spanish (1) Terrestrial Environmental Ecology (.5) ODD YR Veterinary Science (1) EVEN YR Wildlife Management (.5) ODD YR	<p style="text-align: center;"><u>Strand Courses</u></p> Manufacturing & Construction (1) Power, Energy & Transportation Technology (1) EVEN YR Auto Service Technology I (3) Auto Service Technology II (3) Building Maintenance I (3) Building Maintenance II (3) Carpentry I (3) Carpentry II (3) Collision Repair I (3) Collision Repair II (3) Drafting I (3) Drafting II (3) Electrical Construction I (3) Electrical Construction II (3) Heating, Ventilation, and Air Conditioning I (3) Heating, Ventilation, and Air Conditioning II (3) Heavy Equip. and Truck Tech. I (3) Heavy Equip. and Truck Tech. II (3) Manufacturing and Machine Technologies I (3) Manufacturing and Machine Technologies II(3) Masonry I (3) Masonry II (3) Technical Drawing and CADD (1) ODD YR Technical Support and Networking I, (3) Technical Support and Networking II (3) Welding Technology I (3) Welding Technology II (3)	<p style="text-align: center;"><u>Strand Courses</u></p> H Pre-Calculus (1) AP Calculus AB (1) Chemistry II (1) H Chemistry II (1) AP Chemistry (1) ODD YR Computer Integrated Manufacturing (1) Digital Electronics (1) Earth and Space Science (.5) EVEN YR H Engineering Design and Development (1) H Human Body Systems (1) Introduction to Engineering Design (1) H Medical Intervention (1) AP Physics (1) H Principles of Engineering (1) Principles of BioMed Sciences (1) Probability and Statistics (.5) Science Research I (1) H Science Research I (1) H Trigonometry & Pre-Calc (1)

Other credits that may be applied to the six academy credits:

- One credit of work-based learning experience through Career Connections.
 - Four credits earned in Advanced Placement courses from any strand in any Academy area.
- Courses that can be repeated for credit can only count for a maximum of two academy credits.

COMPLETERS

COMPLETER: *Animal & Veterinary Science*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
	Freshman Seminar (.5)			
Completer Program Requirements	Intro to Agriscience & Technology (1)	Animal Care & Management (1)	Veterinary Science (1)	Work-Based Learning Experience (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Equine Science (.5), Math Elective beyond Alg./DA – Course 3 (.5-1), Biology II (1), AP Biology (1), AP Chemistry (1), Leadership Development (.5), Psychology I or Honors Psychology I (1), Public Speaking (.5), Sociology (.5)			
8 credits possible per year				
Value Added: From: Program:	Two (2) Articulated credits The Community College of Baltimore County, Essex Veterinary Technology			

COMPLETER: *Auto Service Technology*

CREDITS: 6

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
	Freshman Seminar (.5)			
Completer Program Requirements			Auto Service Technology I (3)	Auto Service Technology II (3)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Power, Energy & Transportation Technologies (1), Electronics (1), Math Elective beyond Alg. II/DA (.5-1), Science Elective (.5-1), Agricultural Mechanical Technology (1), Chemistry I or Honors Chemistry I (1), Business Communication & Keyboarding (1), Technical Drawing & CADD 91), Public Speaking (.5), Trigonometry & Pre-Calculus or Honors Trigonometry & Pre-Calculus (1), Technological Issues & Impacts (1), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Value Added: From: Program:	Up to 15 Articulated Credits Community College of Baltimore County, Catonsville Automotive Technology			
End of Program Test: Industry: Taken:	NA3SA Exams in Brakes, Electrical/Electronic Systems, Engine Performance, and Suspension/Steering National Automotive Technicians Education Foundation (NATEF) At the completion of each section during Auto Service Technology I & II			

COMPLETER: *Biomedical Science – Project Lead the Way*
Endorsement

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	Chemistry II (1)
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
	Freshman Seminar (.5)			
Completer Program Requirements			Honors Principles of Biomed. Sciences (1) Honors Human Body Systems (1)	Honors Medical Interventions (1) Honors Biomedical Research (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied) 8 credits possible per year	Human Anatomy & Physiology or Honor Human Anatomy & Physiology (1), Science Research I or Honors Science Research I (1), AP Biology (1), AP Chemistry (1), Living with Biotechnology (.5), Technological Issues & Impacts (1), Health II (.5), Issues in American Society (.5), Veterinary Science (1), Probability & Statistics or AP Probability & Statistics (1)			
Value Added: From:	3 Articulated credits (pending) Stevenson University			
End of Program Test: Industry: Taken:	To Be Determined Project Lead the Way / Stevenson University To Be Determined			

COMPLETER: *Building Maintenance*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language I	World Language I		
	Freshman Seminar (.5)			
Completer Program Requirements			#Manufacturing & Construction Technologies (1) OR #Electronics (1) OR #Technical Drawing & CADD (1)	Building Maintenance I (3)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied) 8 credits possible per year	Agricultural Mechanical Technology (1), Power, Energy & Transportation Technologies (1), Work-Based Learning Experience (.5-1)			
End of Program Test: Industry: Taken:	NCCT Core Exam v2 National Center for Construction Education and Research (NCCER) At the end of Building Maintenance I			

COMPLETER: *Carpentry*

CREDITS: 6

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
	Freshman Seminar (.5)			
Completer Program Requirements			Carpentry I (3) Electronics (1) OR Technical Drawing & CADD (1)	Carpentry II (3)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Technical Drawing & CADD (1), Manufacturing & Construction Technologies (1), Electronics (1), Power, Energy & Transportation Technologies (1), Agricultural Mechanical Technology (1), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Value Added: From: Program:	Up to 1 year toward Apprenticeship Associated Builders & Contractors		6 Articulated Credits Community College of Baltimore County, Catonsville Construction Technology	
End of Program Test: Industry: Taken:	NCCT Academic Carpentry Level I v2 National Center for Construction Education and Research (NCCER) At the end of Carpentry II			

COMPLETER: *Collision Repair Technology*

CREDITS: 6

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
	Freshman Seminar (.5)			
Completer Program Requirements			Collision Repair Technology I (3)	Collision Repair Technology II (3)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Power, Energy & Transportation Technologies (1), Technical Drawing & CADD (1), Math Elective beyond Alg. II/DA (.5-1), Accounting I (1), Electronics (1), Business Principles & Practices (1), Business Communications & Keyboarding (1), Public Speaking (.5), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Value Added: From: Program:	10 Articulated Credits Community College of Baltimore County, Catonsville Automotive Collision Repair & Refinishing			
End of Program Test: Industry: Taken:	NA3SA Exam in Non-Structural Analysis and Damage Repair, Painting and Refinishing, and Structural Analysis and Damage Repair National Automotive Technicians Education Foundation (NATEF) At the end of Collision Repair Technology II			

COMPLETER: *Drafting*

CREDITS: 6

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
	Freshman Seminar (.5)			
Completer Program Requirements			Drafting I (3)	Drafting II (3)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Technical Drawing & CADD (1), Math Elective beyond Alg./DA – Course 3 (.5-1), Electronics (1), Graphic Communications (1), Alg. II/DA (1), Honors Commercial Art (.5), Honors Calculus, AP Calculus AB, AP Calculus BC (1), Art II: 2 & 3 D Art (.5-1), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Value Added:	3 Articulated Credits		6 Articulated Credits	
From:	Carroll Community College		Community College of Baltimore County, Catonsville	
Program:	Computer Aided Design		Computer Aided Drafting and Design	

COMPLETER: *Electrical Construction*

CREDITS: 6

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
		World Language (1)	World Language (1)	
	Freshman Seminar (.5)			
Completer Program Requirements			Electrical Construction I (3)	Electrical Construction II (3)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Technical Drawing & CADD (1), Power, Energy & Transportation Technologies (1), Alg./ DA Course 3 (1), Math Elective beyond Alg. II/DA (.5-1), Agricultural Mechanical Technology (1), Business Communications & Keyboarding (1), Career & Technology Research & Development (.5-3), Public Speaking (.5), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Value Added:	Up to 1 year toward Apprenticeship		6 Articulated Credits	
From:	Associated Builders & Contractors		Community College of Baltimore County, Catonsville	
Program:			Construction Technology	
End of Program Test:	NCCT Academic Electrical Level I v2			
Industry:	National Center for Construction Education and Research (NCCER)			
Taken:	At the end of Electrical Construction II			

COMPLETER: *Engineering Technology - Project Lead the Way*
Endorsement

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
	Freshman Seminar (.5)			
Completer Program Requirements			Honors Principles of Engineering (1) Intro to Engineering Design (1)	Computer Integrated Manufacturing (1) Digital Electronics (1) Honors Engineering Design & Development (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Math Elective beyond Alg./DA – Course 3 (.5-1), Math Electives: AP Probability & Statistics (1), AP Calculus AB, AP Calculus BC (1), Trig & Pre-Calculus or Honors Trig. & Pre-Calc (1), Science Elective (1), Science Electives: Materials Science (1), AP Physics (1), Science Research I, II (1 ea.) AP Chemistry (1), Advanced Technology Ed. Electives: Electronics (1), Power, Energy & Transportation Technologies (1), Technical Drawing & CADD (1), Technological Issues & Impacts (1)			
8 credits possible per year				
Value Added:	5 Transcribed Credits		3 Transcribed Credits	
From:	Rochester Institute of Technology		University of Maryland Baltimore County	
Program:	Engineering		Engineering	
End of Program Test:	Rochester Institute of Technology Exams in Principles of Engineering, Introduction to Engineering Design, Digital Electronics, & Computer Integrated Manufacturing			
Industry:	Project Lead the Way (PLTW)			
Taken:	At the end of the designated course			

COMPLETER: *Heating, Ventilation, Air Conditioning*

CREDITS: 6

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
	Freshman Seminar (.5)			
Completer Program Requirements			HVAC I (3)	HVAC II (3)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Technical Drawing & CADD (1), Electronics (1), Math Elective beyond Alg. II/DA (.5-1), Business Communications & Keyboarding (1), Manufacturing & Construction Technologies (1), Public Speaking (.5), Technological Issues & Impacts (1), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Value Added:	6 Articulated Credits		Up to 1 year toward Apprenticeship	
From:	Community College of Baltimore County, Catonsville		Associate Builders and Contractors	
Program:	Construction Technology			
End of Program Test:	NCCT Academic HVAC			
Industry:	National Center for Construction Education and Research (NCCER)			
Taken:	At the end of HVAC II			

COMPLETER: *Heavy Equipment & Truck Technology*

CREDITS: 6

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
	Freshman Seminar (.5)			
Completer Program Requirements			Heavy Equipment & Truck Technology I (3)	Heavy Equipment & Truck Technology II (3)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Technical Drawing & CADD (1), Power, Energy & Transportation (1) OR Electronics (1), Math Elective beyond Alg. II/DA (.5-1), Agricultural Mechanical Technology (1), Business Principles & Practices (1), Business Communications & Keyboarding (1), Materials Science (1), AP Physics (1), Public Speaking (.5), Technological Impacts & Issues (1), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Value Added:	Up to 8 Articulated Credits			
From:	Pennsylvania College of Technology			
Program:	Diesel Technology: Heavy Construction Equipment: Technician, Operator or CAT Emphasis; or Electric Power Generation Technology			
End of Program Test:	Heavy Equipment Maintenance and Repair			
Industry:	National Automotive Technicians Education Foundation (NATEF)			
Taken:	At the end of Heavy Equipment & Truck Technology II			

COMPLETER: *Horticulture*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
	Freshman Seminar (.5)			
Completer Program Requirements #Choose .5 credit from these courses)	Intro to Agriscience & Technology (1)	Agricultural Mechanical Technology (1)	#Landscaping (.5) Or #Flower Design (.5-1)	Horticulture (1) Work-Based Learning Experience (.5)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Financial Management Using Software Applications (1), Math elective beyond Alg. II/DA (.5-1), Business Principles & Practices (1), Leadership Development (.5), Marketing I (1)			
8 credits possible per year				
Value Added:	3 Articulated credits			
From:	Community College of Baltimore County, Dundalk			
Program:	Horticulture			

COMPLETER: *Landscaping Design & Construction*

CREDITS: 6

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
	Freshman Seminar (.5)			
Option 1 Completer Program Requirements			Landscaping Design I (3)	Landscaping Design II (3)
Option 2 Completer Program Requirements		Landscaping (.5)	Landscaping Design I & Construction I (3) OR II (3)	Work-Based Learning Experience (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Technical Drawing & CADD (1), Landscaping (.5), Accounting I (1), Business Principles & Practices (1), Horticulture (1), Intro to Agriscience & Technology (1), Leadership Development (.5), Marketing I (1), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Value Added:	3 Articulated Credits			
From:	Community College of Baltimore County, Dundalk			
Program:	Horticulture, Landscape Design and Installation, Turf and Landscape Maintenance			

COMPLETER: *Manufacturing & Machine Technologies*

CREDITS: 6

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
	Freshman Seminar (.5)			
Completer Program Requirements			Manufacturing & Machine Technologies I (3)	Manufacturing & Machine Technologies II (3)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Manufacturing & Construction Technologies (1), Math Elective beyond Alg. II/DA (.5-1), Business Communications & Keyboarding (1), Honors Calculus, AP Calculus AB, Adv. AP Calculus BC (1), Chemistry II 91), Issues in American Society (.5), Public Speaking (.5), Technical Drawing & CADD (1), Technological Issues & Impacts (1), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Value Added:	17 Articulated Credits			
From:	Community College of Baltimore County, Catonsville			
Program:	Computer Automated Manufacturing and Industrial Technology			
End of Program Test:	Measurement, Materials, and Safety and Job Planning Bench Work and Layout			
Industry:	NIMS (National Institute for Metalworking Skills)			
Taken:	During Manufacturing and Machine Technologies I			

COMPLETER: *Masonry*

CREDITS: 6

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
	Freshman Seminar (.5)			
Completer Program Requirements			Masonry I (3)	Masonry II (3)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Technical Drawing & CADD (1), Manufacturing & construction Technologies (1), Accounting I (1), Electronics (1), Agricultural Mechanical Technology (1), Business Principles & Practices (1), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Value Added: From: Program:	Up to 1 year toward Apprenticeship Associated Builders & Contractors	6 Articulated Credits Community College of Baltimore County, Catonsville Construction Technology		
End of Program Test: Industry: Taken:	NCCT Academic Masonry Level I National Center for Construction Education and Research (NCCER) At the end of Masonry II			

COMPLETER: *Welding Technology*

CREDITS: 6

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
	Freshman Seminar (.5)			
Completer Program Requirements			Welding Technology I (3)	Welding Technology II (3)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Technical Drawing & CADD (1), Manufacturing & Construction Technologies (1), Math Elective beyond Alg. 11/DA (.5-1), Electronics (1), Business Principles & Practices (1), Business Communications & Keyboarding (1), Financial Management Using Software Applications (1), Power, Energy & Transportation Technologies (1), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Value Added: From:	Up to 1 year toward Apprenticeship Associate Builders & Contractors	American Welding Society (AWS) Certification		
End of Program Test: Industry: Taken:	NCCT Academic Welding National Center for Construction Education and Research (NCCER) At the end of Welding II			

COMPLETER: *Wildlife & Natural Resources*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
	Freshman Seminar (.5)			
Completer Program Requirements	Intro to Agriscience & Technology (1)	Agricultural Mechanical Technology (1)	Wildlife Management (.5)	Environmental Conservation (1) Work-Based Learning Experience (.5)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Financial Management Using Software Applications (1), Math Elective Beyond Alg. II/Data Analysis (.5-1), AP Biology (1), AP Prob. & Stats. (1), Technological Issues & Impacts (1), Business Principles & Practices (1), Ecology (.5), Issues in American Society (.5), Leadership Development (.5), Science Research I or Honors Science Research I (1)			
8 credits possible per year				
Value Added: From: Program:	2 Articulated credits Allegany College of Maryland Forest Technology			

CAREER MAJORS

CAREER MAJOR: *Environmental Health*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)		Health II (.5) Issues in American Society (.5)	Ecology (1) Public Speaking (.5) Sociology (.5) Biology II or Honors Biology II (1)	Chemistry II or Honors Chemistry II (1) Business Law (1) AP Environmental Studies (1) Science Research I or Honors Science Research I (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Living with Biotechnology (.5), AP Biology (1), AP Chemistry (1), AP Psychology (1), Environmental Conservation (1), Leadership Development (.5), Psychology I or Honors Psychology I (1), Science Research II or Honors Science Research II (1), Technological Issues & Impacts (1), World Geography (.5), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Related Completers:	Allied Health Careers, Emergency Service Technology			

CAREER MAJOR: *Life Science*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)	Living with Biotechnology (.5)	Horticulture (1)	Biology II (1) Ecology (1) Chemistry II or Honors Chemistry II (1)	Science Research I or Honors Science Research I (1) Human Anatomy & Physiology or Honors Human Anatomy & Physiology (1) Science Lab Aide (.5-1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Health II (.5), Veterinary Science (1), AP Probability & Stat. (1), AP Biology (1), AP Environmental Studies (1), Honors Calculus, AP Calculus AB, Environmental conservation (1), Trig & Pre-Calc. or Honors Trig. & Pre-Calc (1), Materials Science (1), AP Physics (1), Wildlife Management (15), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Related Completers:	Allied Health Careers, Animal & Veterinary Science, Horticulture, Wildlife & Natural Resources			

CAREER MAJOR: *Mathematics*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)			Alg. II/DA (1) AP Probability & Stats. (1) Trig. & Pre-Calc. or Hon. Trig. & Pre-Calc. (1) Honors Principles of Engineering 910	Honors Calculus, AP Calculus AM, AP Calculus BC (1) Science Research I or Honors Science Research I (10) Materials Science (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Graphic communications (1), Electronics (1), Chemistry II or Honors Chemistry II (1), Technical Drawing & CADD (1), Work-Based Learning Experience (.5)			
8 credits possible per year				
Related Completers:	Computer Technology			

CAREER MAJOR: *Physical Science*

CREDITS: 4

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	World Language (1)	World Language (1)		
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	Freshman Seminar (.5)			
Career Major (4 minimum credits)			Materials Science (1) Earth & Space Science or Honors Earth & Space Science (1) Honors Principles of Engineering (1)	Science Research I or Honors Science Research I (1) Math elective beyond Alg. II/DA (.5-1) Science Lab Aide (.5-1) Chemistry II or Honors Chemistry II (1)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Electronics (1), Power energy & Transportation Technologies (1), AP Chemistry (1), AP Physics (1), AP Probability & Stat. (1), Honors Calculus, AP Calculus AB, AP Calculus BC (1), Trigonometry & Pre-Calculus or Honors Trigonometry & Pre-Calculus (1), World Geography (.5), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Related Completers:	Allied Health Careers, Animal & Veterinary Science, Horticulture, Wildlife & Natural Resources			