Harford County Public Schools and Harford Community College Dual Course Credit Guide

Table of Contents (click to go to page)

Business Education (continues on page 3)			
HCC Course Number and Title	**HCPS Course #**	**HCPS Credit**	**HCPS course Equivalent**
HCC ECON 101 Macroeconomics	BE31W05	1	"Business Pathway Completer" Business and Entrepreneurship Capstone via Dual Enrollment.
HCC ACCT 101 Accounting Principles I	BE46W05	1	"Business Pathway Completer" Business and Entrepreneurship Capstone via Dual Enrollment.
HCC ACCT 102 Accounting Principles II	BE47W06	1	"Business Pathway Completer" Business and Entrepreneurship Capstone via Dual Enrollment.
HCC BA 101 Introduction to Business	BE48W05	1	"Business Pathway Completer" Business and Entrepreneurship Capstone via Dual Enrollment.
HCC BA 110 Introduction to Entrepreneurship	BE49W15	1	"Business Pathway Completer" Business and Entrepreneurship Capstone via Dual Enrollment.
HCC BA 203 Principles of Marketing	BE50W05	1	"Business Pathway Completer" Business and Entrepreneurship Capstone via Dual Enrollment.
HCC ECON 102 Microeconomics	BE51W05	1	"Business Pathway Completer" Business and Entrepreneurship Capstone via Dual Enrollment.
HCC ACCT 108 Computerized Accounting	BE53W05	1	"Business Pathway Completer" Business and Entrepreneurship Capstone via Dual Enrollment.
HCC BA 103 Public Relations	BE54W05	1	"Business Pathway Completer" Business and Entrepreneurship Capstone via Dual Enrollment.

Business Education (continued)

HCC Course Number and Title	HCPS Course #	HCPS Credit	HCPS course Equivalent
HCC BA 109 Principles of Management	BE55W05	1	"Business Pathway Completer" Business and Entrepreneurship Capstone via Dual Enrollment.
HCC BA 130 Introduction to Supply Chain Management	BE56W05	1	"Business Pathway Completer" Business and Entrepreneurship Capstone via Dual Enrollment.
HCC ECON 106 Consumer Economics and Personal Finance	BE58W05	1	"Business Pathway Completer" Business and Entrepreneurship Capstone via Dual Enrollment.
HCC FIN 100 Personal Finance	BE59W05	1	"Business Pathway Completer" Business and Entrepreneurship Capstone via Dual Enrollment.
HCC ISS 105 Introduction to Cybersecurity	BE60W05	1	"Business Pathway Completer" Business and Entrepreneurship Capstone via Dual Enrollment.
HCC OS 116 Communication Technologies	BE61W05	1	"Business Pathway Completer" Business and Entrepreneurship Capstone via Dual Enrollment.
HCC OS 129 Introduction to Office Procedures and Management	BE62W05	1	"Business Pathway Completer" Business and Entrepreneurship Capstone via Dual Enrollment.

Return to Top

Career Technology Education			
HCC Course Number and Title	**HCPS Course #**	**HCPS Credit**	**HCPS course Equivalent**
HCC ENGT 101 Introduction to Engineering Technology	CA49W01	1	CA43W Advanced Technological Applications; Fulfills CTE Program of Study (Applicable students 2025 cohort & beyond only)
HCC ENGT 110 3D Printing in Additive Manufacturing	CA45W01	1	CA43W Advanced Technological Applications; Fulfills CTE Program of Study (Applicable students 2025 cohort & beyond only)
HCC ENGT 106 Introduction to Additive Manufacturing	CA44W01	1	CA43W Advanced Technological Applications; Fulfills CTE Program of Study (Applicable students 2025 cohort & beyond only)
HCC ENGT 115 Optimizing Print Files	CA46W01	1	CA43W Advanced Technological Applications; Fulfills CTE Program of Study (Applicable students 2025 cohort & beyond only)
HCC ENGT 225 Quality Control & Metrology for Additive Manufacturing	CA47W01	1	CA43W Advanced Technological Applications; Fulfills CTE Program of Study (Applicable students 2025 cohort & beyond only)
HCC ENGT 230 Additive Manufacturing Capstone	CA48W01	1	CA43W Advanced Technological Applications; Fulfills CTE Program of Study (Applicable students 2025 cohort & beyond only)
HCC DSCI 102 Intro Statistics with Programming Apps	CA17W52 CA17W53	1	Elective
HCC CIS 111 Programming I: C/C++	BE78W32 BE78W33	1	Elective

English			
HCC Course Number and Title	**HCPS Course #**	**HCPS Credit**	**HCPS course Equivalent**
HCC ENG 101 English Composition and Literature	EN03W82	1	EN03* English III
HCC ENG 101 English Composition and Literature	EN04W82	1	EN04* English IV
HCC ENG 102 English Composition and Literature	EN04W51	1	EN04* English IV**
HCC ENG 201 World Lit 800BC-1600AD	EN50W01	1	EN04* English IV**
HCC ENG 203 Eng Lit: Survey Eng Lit I	EN50W11	1	EN04* English IV**
HCC ENG 205 Am Lit: Colonial Civil War	EN50W21	1	EN04* English IV**
HCC ENG 214 Great Writers: Lives/Works	EN50W31	1	EN04* English IV**
HCC ENG 219 American Women Writers	EN50W41	1	EN04* English IV**
HCC ENG 233 African American Lit	EN50W51	1	EN04* English IV**

Credit for HCC English 101 must be documented prior to enrollment in these courses

Family & Consumer Sciences			
HCC Course Number and Title	**HCPS Course #**	**HCPS Credit**	**HCPS course Equivalent**
HCC SDEV 100 Career and Life Planning	CT8605	1	CT86* Career Development Preparation and Transition (Except Harford Tech)
HCC EDUC 103 The Young Child	FC10W02	1	CA60* Child Growth & Development
HCC EDUC 104 Materials & Curriculum for Early Childhood	FC12W02	1	CA61* Learning Environment for Preschoolers
HCC EDUC 110 Infant and Toddler Curriculum	FC14W02	1	CA63W CDA Internship 2
HCC EDUC 215 School-Age Child Care	FC15W03	1	CA63W CDA Internship 2

Fine Arts			
HCC Course Number and Title	**HCPS Course #**	**HCPS Credit**	**HCPS course Equivalent**
HCC Art 109 Sculpture I	AR3305	0.5	Fine Art 0.5 Credit
HCC Art 115 Ceramics I	AR3405	0.5	Fine Art 0.5 Credit
HCC Art 101 Fundamentals of 2D Design	AR3505	0.5	Fine Art 0.5 Credit
HCC ART 103 Graphic Design I	AR3705	0.5	Fine Art 0.5 Credit
HCC ART 107 Fundamentals of 3-D Design	AR3805	0.5	Fine Art 0.5 Credit
HCC ART 219 Sculpture II	AR4105	0.5	Fine Art 0.5 Credit
HCC ART 221 Studio Drawing: Illustration	AR4405	0.5	Fine Art 0.5 Credit
HCC ART 214 Painting II	AR4705	0.5	Fine Art 0.5 Credit
HCC ART 220 Ceramics II	AR4805	0.5	Fine Art 0.5 Credit
HCC ART 120 Digital Foundations I	AR4905	0.5	Fine Art 0.5 Credit
HCC ART 208 Digital Foundations II	AR5005	0.5	Fine Art 0.5 Credit
HCC ART 207 Graphic Design II	AR5405	0.5	Fine Art 0.5 Credit
HCC ART 233 Portfolio Workshop	AR5705	0.5	Fine Art 0.5 Credit
HCC PHOT 101 Black and White Photography I	AR6705	0.5	Fine Art 0.5 Credit
HCC PHOT 102 Black and White Photography II	AR6806	0.5	Fine Art 0.5 Credit
HCC PHOT 105 Photojournalism	AR6905	0.5	Fine Art 0.5 Credit
HCC PHOT 131 Digital Photography I	AR7005	0.5	Fine Art 0.5 Credit
HCC PHOT 202 Alternative Photography Processes	AR7105	0.5	Fine Art 0.5 Credit
HCC PHOT 206 Studio Lighting	AR7205	0.5	Fine Art 0.5 Credit
HCC PHOT 231 Digital Photography II	AR7305	0.5	Fine Art 0.5 Credit
HCC MUS 103 Music Theory I	MU6305	0.5	Fine Art 0.5 Credit
HCC MUS 104 Music Theory II	MU6405	0.5	Fine Art 0.5 Credit
HCC MUS 124 Vocal Performance Workshops	MU6505	0.5	Fine Art 0.5 Credit
HCC MUS 125 Vocal Performance Workshops	MU6605	0.5	Fine Art 0.5 Credit

Mathematics (Continues on page 9)			
HCC Course Number and Title	**HCPS Course #**	**HCPS Credit**	**HCPS course Equivalent**
HCC CSI 131 Computer Science I	MA17W05	0.5	CSI 131/132 together can fulfill one mathematics credit; Students must still earn one credit in Algebra I and one credit in Geometry.
HCC CSI 132 Computer Science II	MA17W06	0.5	CSI 131/132 together can fulfill one mathematics credit; Students must still earn one credit in Algebra I and one credit in Geometry.
HCC MATH 101 College Algebra	MA25W01	1	MA07* Algebra II (Prerequisite: MA02 Algebra I and MA04 Geometry)
HCC MATH 103 Trigonometry	MA09W15	1	MA09W* Honors Trigonometry (Prerequisite: MA07 Algebra II)
HCC MATH 109 Precalculus	MA10W02	1	MA10W* Honors Precalculus (Prerequisite: MA09 Honors Trigonometry)
HCC MATH 203 Calculus I	MA21W12	1	MA127* AP Calculus AB (Prerequisite: HCPS MA10 Honors Precalculus)
HCC MATH 204 Calculus II	MA22W13	1	MA147* AP Calculus BC (Prerequisite: HCC Math 203 Calculus I or HCPS MA13 AP Calculus AB)
HCC MATH 206 Calculus III	MA99W13	1	MA99W* Calculus III (Prerequisite: Calculus II or AP Calculus BC)
HCC MATH 210 Discrete Structures	MA23W18	1	1 math credit (Prerequisite: Calculus I or AP Calculus AB)
HCC Math 216 Introduction to Statistics	MA24W12	1	MA167* AP Statistics (Prerequisite: MA07 Algebra II)
HCC MATH 217 Linear Algebra	MA31W12	1	MA31* Linear Algebra (Prerequisite: Calculus I or AP Calculus AB)

Mathematics (continued)			
HCC Course Number and Title	**HCPS Course #**	**HCPS Credit**	**HCPS course Equivalent**
HCC MATH 208 Elementary Differential Equations	MA38W12	1	MA38W* Differential Equations (Prerequisite: Calculus II or AP Calculus BC)
HCC MATH 111 Introduction to Finite Mathematics	MA48W01	1	1 math credit (Prerequisite: HCPS MA07 Algebra II)

Return to Top

Physical Education and Health

HCC Course Number and Title	HCPS Course #	HCPS Credit	HCPS course Equivalent
HCC Fitness Walk 230	PE0365	0.5	PE03* Wellness Walking
HCC PE 229 Advanced Weight Training	PE0686	0.5	PE06* Weight Training I
HCC PE 228 Weight Training	PE0786	0.5	PE07* Weight Toning
HCC Health 101 Contemporary Health Issues	HE0388	0.5	Elective *Note: This course does not meet the HCPS Health graduation requirement.

Science			
HCC Course Number and Title	**HCPS Course #**	**HCPS Credit**	**HCPS course Equivalent**
HCC BIO 119 Biology for Health Professionals	CA32W01	1	Elective
HCC ES 105/106 Earth Science/Earth Science Laboratory	SC01W61	1	SC01W* Honors Earth and Environmental Systems
HCC CHEM 111 General Chemistry I	SC04W81	1	SC04W* Honors Chemistry
HCC PHYS 101 Introductory Physics I	SC06W81	1	SC06W* Honors Physics
HCC PHYS 201 General Physics I: Mechanics	SC07W81	1	SC28* AP Physics C: Mechanics
HCC BIO 205 Microbiology	SC12W85	1	SC12W* Microbiology
HCC BIO 203 Anatomy and Physiology I	SC13W81	1	SC13W* Anatomy and Physiology
HCC ASTR 151 Introduction to Astronomy	SC16W56	1	SC16* Astronomy
HCC BIO 107 General Zoology	SC17W85	1	SC17* Zoology
HCC BIO 110 Introduction to Plant Sciences	SC18W85	1	SC18* Botany
HCC FS 100 Basic Forensic Science	SC21W05	1	SC21W* Forensic Science
HCC SCI 105/106 Physical Science I/Physical Science Course Observations and Investigations: Matter	SC64W81	1	SC64W* Honors Integrated Physics and Chemistry

Return to Top

Social Studies			
HCC Course Number and Title	**HCPS Course #**	**HCPS Credit**	**HCPS course Equivalent**
HCC Political Science 101 American National Government/HCC Political Science 102 State and Local Government	SS01W81	1	SS01W* Honors American Government: Political Science 101/102 in combination; Fulfills Graduation Requirement (or Elective) for Grades 11-12 only who have not yet met state requirement
HCC History 110 World History II	SS02W81	1	SS02W* Honors World History
HCC Hist 109 World History I	SS03W81	1	Elective
HCC Hist 103 History of the United States I	SS06W81	1	Elective
HCC History 104 United States History II	SS05W81	1	SS05* US History
HCC GEOG 102 Human Geography	SS21W81	1	SS217*AP Human Geography
HCC GEOG 101 Physical Geography	SS16W81	1	SS16* World Geography
HCC HIST 101 History of Western Civilization I	SS37W81	1	Elective
HCC HIST 102 History of Western Civilization II	SS04W81	1	SS047* AP European History
HCC HIST 207 African American History	SS10W81	1	SS10*African American History
HCC PS 203 Comparative Politics and Governments	SS23W81	1	SS237* AP Comparative Government
HCC CJ 101 Introduction to Criminal Justice	SS14W81	1	SS14* Law in America
HCC PSY 101 General Psychology	SS09W81	1	SS097* AP Psychology
HCC SOC 101 Introduction to Sociology	SS30W61	1	SS30W* College Sociology
HCC ECON 101 Macroeconomics	SS35W81	1	SS357* AP Macroeconomics
HCC ECON 102 Microeconomics	SS34W81	1	SS347* AP Microeconomics

Return to Top

World Languages			
HCC Course Number and Title	**HCPS Course #**	**HCPS Credit**	**HCPS course Equivalent**
HCC FR 101 Elementary French I	FL0181	1	FL01* French I
HCC FR 102 Elementary French II	FL0281	1	FL02* French II
HCC FR 201 Intermediate French I	FL0381	1	FL03* French III
HCC FR 202 Intermediate French II	FL04W81	1	FL04W* French IV
HCC SPAN 101 Elementary Spanish I	FL0781	1	FL07* Spanish I
HCC SPAN 102 Elementary Spanish II	FL0881	1	FL08* Spanish II
HCC SPAN 201 Intermediate Spanish I	FL0981	1	FL09* Spanish III
HCC SPAN 202 Intermediate Spanish II	FL10W81	1	FL10W* Spanish IV
HCC GER 101 Elementary German I	FL1381	1	FL13* German I
HCC GER 102 Elementary German II	FL1481	1	FL14* German II
HCC GER 201 Intermediate German I	FL1581	1	FL15* German III
HCC GER 202 Intermediate German II	FL16W81	1	FL16W* German IV
HCC ASL 102 201 American Sign Language II and American Sign Language III	FL4781	1	World Language Credit

Academy Of Finance			
(Edgewood High School)			
HCC Course Number and Title	**HCPS Course #**	**HCPS Credit**	**HCPS course Equivalent**
HCC ECON 101 Macroeconomics	BE31W05	1	"Business Pathway Completer" Business and Entrepreneurship Capstone via Dual Enrollment.

Interactive Media Production (IMP)

(Bel Air High School, North Harford High School, Patterson Mill High School, Swan Creek School)

HCC Course Number and Title	HCPS Course #	HCPS Credit	HCPS course Equivalent
HCC CMST 101 Speech Fundamentals (GI)	CA38W32	1	Elective
HCC MC 210 Introduction to Social Media (GI)	CA39W32	1	Elective
HCC MC 105 Introduction to Journalism (GH)	CA40W32	1	Elective
HCC MC 103 Television Studio Production	CA41W32	1	Elective
HCC MC 102 Audio Production	CA42W32	1	Elective
HCC MC 101 Introduction to Electronic Media	CA43W32	1	Elective
HCC ART 120 Digital Foundations I	CA44W32	1	Elective
HCC ART 107 Fundamentals of 3-D Design	CA45W32	1	Elective
HCC ART 101 Fundamentals of 2D Design	CA46W32	1	Elective
HCC IM 110 Introduction to Interactive Media	CA50W32	1	Elective
HCC IM 160 Interactive Studio Workshop	CA51W32	1	Elective

Return to Top

P-Tech (Continues on page 17)			
(Joppatowne High School)			
HCC Course Number and Title	**HCPS Course #**	**HCPS Credit**	**HCPS course Equivalent**
HCC BIO Fundamentals of Biology	CA90W32 CA90W33	1	Science Elective
HCC CIS 104 Computer Operating Systems	BE63W01	1	Dual enrollment of BE57, BE63, and BE 64 constitute for 1 high school credit in CT30
HCC CIS 210 Fundamentals of Network Security	BE64W01	1	Dual enrollment of BE57, BE63, and BE 64 constitute for 1 high school credit in CT30
HCC CADD 265 Solidworks	BE65W01 BE65W02 BE65W03	1	TE11* Advanced Design Applications
HCC CIS 115 Fundamentals of Programming	BE76W32 BE76W33	1	Elective
HCC CIS 119 Programming I: Java	BE79W32	1	Elective
HCC CIS 135 Introduction to Networks	CA35W32	1	Elective
HCC CIS 203 Computer Systems & Procedures	BE74W32	1	Elective
HCC CIS 211 MS Windows Server Operating System	BE73W32 BE73W33	1	Elective
HCC CIS 214 Programming II: Java	BE80W33	1	Elective
HCC CIS 272 Cooperative Education: CIS (Internship)	BE68W32	1	Elective
HCC CIS 273 Cooperative Education: CIS (Internship)	BE75W32	1	Elective
HCC CIS 274 Cooperative Education: CIS (Internship)	BE67W32	1	Elective
HCC ISS 111 Cisco 1	CA37W32	1	Elective
HCC ISS 112 Cisco 2	BE77W32	1	Elective

P-Tech (continued) (Joppatowne High School)			
HCC Course Number and Title	**HCPS Course #**	**HCPS Credit**	**HCPS course Equivalent**
HCC ISS 213 Cisco 3	BE72W32 BE72W33	1	Elective
HCC ISS 213 Cisco 3	CA48W32	1	Elective
HCC ISS 220 Strategic Infrs. Security	CA36W32	1	Elective
HCC ISS 221 Net. Def. & Countermeasures	BE70W32	1	Elective
HCC ISS 222 Computer Forensics (Online)	BE69W32	1	Elective
HCC PHIL 221 Business Ethics	CA91W32	1	Elective
HCC ENG 209 Technical Writing	EN60W01	1	Elective (Does not meet HCPS English Graduation Requirement)

Return to Top

Harford Technical High School Programs			
HCC Course Number and Title	**HCPS Course #**	**HCPS Credit**	**HCPS course Equivalent**
HCC EXCS 201 Fitness Assessment and Program Design	CA33W01	1	CT63* Allied Health Internship
HCC EXCS 283 Exercise Science Internship	CA34W09	1	Elective
HCC ISS 112 Cisco 2	CA47W32	1	Elective
HCC CIS 102 Introduction to Information Sciences	BE57W01	1	Dual enrollment of BE57, BE63, and BE64 constitute for 1 high school credit in CT30
HCC CIS 104 Computer Operating Systems	BE63W01	1	Dual enrollment of BE57, BE63, and BE 64 constitute for 1 high school credit in CT30
HCC CIS 210 Fundamentals of Network Security	BE64W01	1	Dual enrollment of BE57, BE63, and BE 64 constitute for 1 high school credit in CT30
HCC CADD 265 Solidworks	BE65W01 BE65W02 BE65W03	1	TE11* Advanced Design Applications
HCC ISS 213 Cisco 3	BE72W32 BE72W33	1	Elective

Return to Top

Information Technology Oracle Academy (ITOA) (Havre de Grace High School)			
HCC Course Number and Title	**HCPS Course #**	**HCPS Credit**	**HCPS course Equivalent**
HCC DSCI 101 Introduction to Data Science	CA19W51	1	Elective
HCC DSCI 102 Intro Statistics with Programming Apps	CA18W52	1	Elective
HCC CIS 110 Introduction to UNIX/Linux	BE82W01	1	Elective
HCC CIS 201 Assembly Programming Language	BE71W32	1	Elective
HCC CIS 217 Introduction to Web Programming	BE44W02	1	Elective
HCC CIS 221 Programming II: C/C++	BE81W32	1	Elective
HCC CIS 229 Python Programming Language	BE83W01	1	Elective
HCC CSI 130 Introduction to Concepts in Computer Science	CA80W01	1	Elective