



Harford County Public Schools Weighted Honors and Identified Rigorous Approved Courses

The courses noted are current weighted courses and courses approved for addition in the 2018-2019 school year. Weighted Honors and Identified Rigorous Courses contain a “W” in the fifth character of the course number signifying a weighted grade can be earned for this credit. Please contact the school counseling office with questions regarding specific course information or see the [Courses](#) section of the Student Education Planning Guide for descriptions.

ALL HARFORD COUNTY PUBLIC HIGH SCHOOLS COURSES

BUSINESS EDUCATION

Business and Entrepreneurship Capstone/Dual Enrollment (BE45)

CAREER TECHNICAL EDUCATION

Maryland Fire and Rescue Institute Program (CT67)

ENGLISH

Honors English I (EN01W)

Honors English II (EN02W)

MATHEMATICS

Algorithm Development for Applications (MA18W) (new in 2018-2019)

Differential Equations (MA38W)

Honors Algebra II (MA07W)

Honors Precalculus (MA10W)

Honors Trigonometry (MA09W)

SCIENCE

Anatomy and Physiology (SC13W)

Biochemistry (SC14W)

Forensic Science (SC21W)

Honors Biology (SC02W)

Honors Chemistry (SC04W)

Honors Earth and Environmental Systems (SC01W) (new in 2018-2019)*

Honors Integrated Physics and Chemistry (SC64W)

Honors Physics (SC06W)

Microbiology (SC12W)

~~Zoology (SC17W)~~ *Note: This course will no longer be weighted beginning in the 2018-2019 school year. Beginning in the 2018-2019 school year, the course number will be SC17.*

*Note: The Earth Science course will remain available in 2017-2018 with no honors designation. In the 2018-2019 school year, Earth and Environmental Systems course will replace Earth Science in the new sequence and an honors designation will be available.

Note: Weighted Honors and Identified Rigorous courses are additional opportunities for students to receive a weighted grade for earned credit in these approved courses. HCPS continues to offer Advanced Placement (AP) courses at all high schools and International Baccalaureate (IB) courses at Edgewood High School which also receive a weighted grade for earned credit.



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SOCIAL STUDIES

College Sociology (SS30W)

Honors American Government (SS01W)

Honors US History (SS05W) (new in 2018-2019)

Honors World History (SS02W) (new in 2018-2019)

WORLD LANGUAGES

World Language Level IV

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MAGNET AND SPECIALIZED PROGRAMS COURSES

ACADEMY OF HEALTH PROFESSIONS (Harford Technical HS)

Structure and Functions of the Human Body (CT55W)
Certified Nursing Assistant (CT59W)
Allied Health Internship (CT63W)
Clinical Internship (CT96W)

ACADEMY OF FINANCE (Edgewood HS)

Business Economics/Professional Economics (BE31W)
Financial Planning/Applied Finance (BE34W)

BIOMEDICAL SCIENCE (Bel Air HS and Havre de Grace HS)

Biomedical Innovations PLTW (CT76W)
Human Body Systems PLTW (CT74W)
Medical Interventions PLTW (CT75W)
Principles of Biomedical Sciences PLTW (CT73W)

CTE COURSES (Harford Technical HS)

Animal Science II (CT16W)
Animal Science III (CT17W)
Brick and Block Masonry II (CT32W)
Carpentry II (CT35W)
Certified Clinical Medical Assistant (CA03W) (new in 2018-2019)
Certified Welding II (CT29W)
Computer Aided Design and Drafting II (CT47W)
Computer Aided Machining and High Performance Manufacturing II (CT26W)
Electricity II (CT38W)
Foundations of Medicine and Health Science (CT27W) (new in 2018-2019)
Health Occupations II (CT65W)
Health Occupations III (CT66W)
Heating, Air Conditioning and Refrigeration Technology II (CT44W)
Licensed Cosmetology III
Physical Rehabilitation (CA04W)

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CYBER SECURITY (Harford Technical HS)

Introduction to Networks ~~Networking for Home and Small Business~~ (CT18W) (new title in 2018-2019)

Routing and Switching Essentials Working at a Small to Medium Business or ISP (CT30W)
Security Plus (CT45W) (new title in 2018-2019)

ENGINEERING/TECHNOLOGY/PROJECT LEAD THE WAY (Aberdeen HS and C. Milton Wright HS)

Aerospace Engineering PLTW (CT39W)
Civil Engineering and Architecture PLTW (CT48W)
Computer Integrated Manufacturing (CA02W)
Digital Electronics PLTW (CT36W)
Engineering Design and Development (CT52W)
Environmental Sustainability (CA01W)
Principles of Engineering (CT33W)

HOMELAND SECURITY (Joppatowne HS)

S.T.A.R.S Courses I and II (CT81W)
S.T.A.R.S. Courses II and IV (CT82W)
Internship/Capstone Experience HSEP (CT83W)

NATURAL RESOURCES AND AGRICULTURAL SCIENCES (North Harford HS)

Animal Management and Sciences NRAS (CT92W)
Comparative Anatomy and Physiology of Farm Animals NRAS (CT89W)
Edible, Ornamental, and Environmental Plants NRAS (CT93W)
Plant Propagation and Production NRAS (CT90W)
Research and Applications in NRAS (Capstone NRAS) (CT95W)
S.T.A.R.S Courses I and II (CT81W)
S.T.A.R.S. Courses II and IV (CT82W)
Wetlands and Aquatics NRAS (CT94W)
Wildlife Management and Sciences NRAS (CT91W)

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SCIENCE AND MATH ACADEMY (Aberdeen HS)

Astrophysics SMA (SC37W)
Bacteriology SMA (SC46W)
Biochemistry SMA (SC48W)
Biotechnology SMA (SC36W)
Computer Aided Drafting and Design SMA (TE46W)
Cryptology SMA (MA36W)
Design Engineering SMA (TE52W)
Ecology SMA (SC42W)
Forensic Chemistry SMA (SC39W)
Functional Kinesiology SMA (SC41W)
Genetics SMA (SC40W)
Linear Algebra SMA (MA31W)
Materials Science SMA (SC43W)
Mathematical Logic SMA (MA32W)
Microcontrollers SMA (TE53W)
Organic Chemistry SMA (SC33W)
Plant Physiology SMA (SC47W)
Pre-Engineering SMA (TE33W)
Robotics SMA (TE30W)
SRT I, II, III, IV (TE21W, TE22W, TE23W, TE24W)

TEACHER ACADEMY OF MARYLAND

Foundations of Curriculum and Instruction (FC19W)
Human Growth and Development through Adolescence (FC17W)
Teaching as a Profession (FC18W)
Teacher Academy of Maryland Internship (FC21W)

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