

SECONDARY EDUCATION - PHYSICS (AAT)

Award: Associate of Arts in Teaching

No. of credits required: 62-64

For more information: *Contact Admissions, 443-412-2109.*

Program Description

The A.A.T. degree program prepares students for transfer into a four-year college or university education program. High school preparation should include four units of English, three units of math of which two should be algebra, and three units of science.

Students must have a qualifying score on Praxis CORE or an equivalent assessment in order to earn an A.A.T. degree. Students should plan to take Praxis CORE, which includes core English and math competencies, near completion of 45 credit hours. Information can be obtained from the Test and Assessment Center or the academic division. Passing scores on Praxis, SAT, GRE, or ACT may be substituted in place of Praxis CORE, but may not be accepted by all transfer institutions.

Program Goals

Upon completion of the Teacher Education A.A.T. degree programs, students will be able to

1. Demonstrate professional teaching behavior including effective communication.
2. Discuss the development of education/curriculum and select instructional techniques appropriate for a variety of students.
3. Describe influences on growth and development, as well as theories of learning.
4. Make decisions in accordance with legal and ethical standards.
5. Summarize past and present practices pertaining to education.

Transfer Information

This program requires the successful completion of Praxis CORE and at least a 2.75 GPA. Because the program courses are chosen to fulfill predetermined outcomes, the entire program will transfer to any four-year state or private college in Maryland; however, students are not guaranteed admission to any four-year institution and must apply to and meet the criteria required by that particular institution. Additionally, courses in the program will transfer to private and public colleges nationwide.

Past graduates of this program have transferred to four-year state colleges and universities in Maryland and to private and public colleges nationwide. To facilitate transfer, students should consult with an academic advisor early in their studies at HCC and before selecting elective courses.

Employment Information

According to the United States Department of Labor, Bureau of Labor Statistics, nearly 1.1 million secondary school public teachers will be needed by 2018.

Diversity Requirement

To satisfy the diversity requirement: Associate degree students must complete one 3-credit diversity course (D). It is recommended that

students select one of the 3-credit (GB), (GH), (GI) course electives from those that also appear on the approved list of diversity course graduation requirements.

Degree Requirements

Recommended Course Sequence

Course	Title	Credits
First Semester		
CHEM 111	General Chemistry I (GL)	4
EDUC 101	Introduction to Education ¹	3
ENG 101	English Composition (GE)	3
MATH 203	Calculus I (GM)	4
PSY 101	General Psychology (GB)	3
Credits		17
Second Semester		
CHEM 112	General Chemistry II A (GL)	4
CMST 101	Speech Fundamentals (GI)	3
MATH 204	Calculus II (GM)	4
PHYS 203	General Physics: Mechanics and Particle Dynamics (GS)	3
PSY 207	Educational Psychology	3
Credits		17
Third Semester		
EDUC 217	Introduction to Special Education ^{1,2}	3
MATH 208	Elementary Differential Equations	3
PHYS 204	General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (GL)	4
Arts/Humanities Elective (GH) (https://catalog.harford.edu/general-education/#arts-humanities)		3
Physical Education Elective		1
Credits		14
Fourth Semester		
PHYS 205	General Physics: Electrodynamics, Light Relativity and Modern Physics	4
PSY 216	Adolescent Psychology	3
Behavioral/Social Science Elective (GB) (https://catalog.harford.edu/general-education/#behavioral-social-science)		3
Arts/Humanities Elective (GH) (https://catalog.harford.edu/general-education/#arts-humanities)		3
General Elective		1-3
Credits		14-16
Total Credits		62-64

¹ Students are required to participate in a thirty-hour field placement experience in addition to time spent in EDUC 101 Introduction to Education and EDUC 217 Introduction to Special Education. Field placement experiences take place sometime during regular school hours, generally between 8:00 a.m. and 3:30 p.m. A criminal record check will be conducted prior to students being placed in a school setting.

² The EDUC 217 Introduction to Special Education course required by Harford Community College is a necessary requirement of the College's A.A.T. degree, but is not sufficient to meet all special education or inclusion course requirements for four-year teacher education programs. Students may be required to take additional special education or inclusion courses as a part of the requirements for a baccalaureate degree and teacher education certification at four-year institutions.

General Education Degree Requirements

Note: The following codes identify courses which satisfy the General Education Degree Requirements:

Behavioral/Social Science (GB)

English Composition (GE)

Arts/Humanities (GH)

Interdisciplinary and Emerging Issues (GI)

Biological/Physical Laboratory Science (GL)

Mathematics (GM)

Biological/Physical Science (GS)