

**Public Health Sciences
Associates of Sciences AS: 415
Total Credits: 60
Catalog Edition: 2018-2019**

Program Description

Public health is the science of promoting health, preventing disease, extending life and improving quality of life for populations. The population can be as small as a community or as large as a country. Public health professionals address the impact of genetics, environment and individual behavior on the health of the population. The mission of public health is accomplished through the development and delivery of educational programs, creation of policy, regulation and administration of resources and continuing research. The scope of public health practice is broad encompassing a wide range of disciplines which emerge from the five core areas; behavioral science, epidemiology, biostatistics, administration and environmental health. This degree program is designed to articulate with the BS in Public Health Sciences, University of Maryland School of Public Health. Students may choose to complete this program at either the Shady Grove campus or the main campus in College Park. Students not transferring into the BS in Public Health Sciences are advised to check the requirements of the institution and program to which they intend to transfer.

Program Outcomes

Upon completion of this program a student will be able to:

- Identify and analyze credible sources of health information.
- Describe the biopsychosocial factors which impact human health.
- List and describe controllable and uncontrollable risk factors for disease.
- List and describe the leading causes of morbidity and mortality in the US.
- Analyze the contribution of both controllable and uncontrollable risk factors to the health status of individuals and populations.
- Evaluate the impact of personal/individual choice in achieving and maintaining good health.
- Evaluate the impact of individual choice on the health of the population.

Program Advisor

- **Dr. Maureen Edwards**
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For more information please visit:

<http://cms.montgomerycollege.edu/heespe/>

2018-2019 Program Advising Guide

An Academic Reference Tool for Students

Public Health Sciences
Associates of Science AS: 415

Suggested Course Sequence

This section is available on the catalog website at

<http://catalog.montgomerycollege.edu/content.php?catoid=9&navoid=1840>

First Semester

- [BIOL 150 - Principles of Biology I](#) 4 semester hours (NSLD)
- [ENGL 101 - Introduction to College Writing](#) 3 semester hours *
- [HLTH 160 - The Science and Theory of Health](#) 3 semester hours
- [MATH 150 - Elementary Applied Calculus I](#) 4 semester hours (MATF)

Second Semester

- [BIOL 212 - Human Anatomy and Physiology I](#) 4 semester hours (NSLD)
- [CHEM 131 - Principles of Chemistry I](#) 4 semester hours
- [PSYC 102 - General Psychology](#) 3 semester hours
- English foundation 3 semester hours (ENGF)
- Arts distribution 3 semester hours (ARTD)

Third Semester

- [BIOL 213 - Human Anatomy and Physiology II](#) 4 semester hours
- [CHEM 150 - Essentials of Organic and Biochemistry](#) 4 semester hours
- [COMM 108 - Foundations of Human Communication](#) 3 semester hours (GEEL) OR [COMM 112 - Business and Professional Speech Communication](#) 3 semester hours (GEEL)
- [HLTH 225 - Introduction to Health Behaviors](#) 3 semester hours
- [SOCY 100 - Introduction to Sociology](#) 3 semester hours (BSSD)

Fourth Semester

- [BIOL 210 - Microbiology](#) 4 semester hours
- [BIOL 222 - Principles of Genetics](#) 4 semester hours
- [HLTH 299 - Capstone in Public Health Sciences](#) 1 semester hour
- Humanities distribution (HUMD) 3 semester hours

Total Credit Hours: 60

Advising Notes

* [ENGL 101](#) / [ENGL 101A](#) , if needed for [ENGL 102](#) / [ENGL 103](#) , or elective.

† Choose math according to transfer school.

‡ Consult with departmental adviser before selecting program lectives. Select from the following program electives: [HLTH 121](#) , [HLTH 125](#) , [HLTH 131](#) , [HLTH 150](#) , [HLTH 170](#) , [HLTH 200](#) , [HLTH 212](#) , [HLTH 215](#) , [HLTH 220](#) and [HLTH 230](#) . At least six program elective credits must be at the 200-level.

PUBLIC HEALTH SCIENCES A.S.: 415

Total Credits: 60
Catalog Editions 17-18 through 18-19

Name:

Date:

ID #:

GENERAL EDUCATION: FOUNDATION COURSES	Course	Hours	Grade
English Foundation	EN 102/ ENGL 102	3	
Math Foundation	MA 160/ MATH 150	4	

GENERAL EDUCATION: DISTRIBUTION COURSES	Course	Hours	Grade
Arts Distribution (ARTD)			
Humanities Distribution (HUMD)			
Behavioral & Social Sciences Distribution (BSSD)	PY 102/ PSYC 102	3	
Behavioral & Social Sciences Distribution (BSSD)	SO 101/ SOCY 100	3	
Natural Sciences Distribution with Lab (NSLD)	BI 107/ BIOL 150	4	
Natural Sciences Distribution with Lab (NSLD)	BI 204/ BIOL 212	4	
General Education Elective (GEEL)		3	

PROGRAM REQUIREMENTS	Course	Hours	Grade
ENGL 101 or ENGL 101A (if needed for ENGL 102 or HLTH Elective)*		3	
	BI 203/ BIOL 210	4	
	BI 205/ BIOL 213	4	
	BI 222/ BIOL 222	4	
	CH 101/ CHEM 131	4	
	CH 120/ CHEM 150	4	
	HE 120/ HLTH 160	3	
	HE 200/ HLTH 225	3	
	HLTH 299	1	

Overall GPA of 2.0 is required to graduate

* ENGL 101/ENGL 101A , if needed for ENGL 102 or HLTH Elective.

Total Credits:

If students plan to transfer to a school other than UMCP or the Universities at Shady Grove they should consult the transfer institution for more detailed information on course transfer.

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[Health Enhancement, Exercise Science, & Physical Education Website](#)

Advising Worksheet Contact: [Anthony Solano](#)

Last Modified: July 2018

See an [advisor](#) to submit an [Application for Graduation](#) the semester BEFORE you intend to graduate.

This UNOFFICIAL document is for planning purposes ONLY and completion does not guarantee graduation.

Transfer Opportunities

Montgomery College has partnerships with multiple four-year institutions and the tools to help you transfer. To learn more please visit:

<http://cms.montgomerycollege.edu/Transfer/> or
<http://artsys.usmd.edu/>

University of Maryland -Shady Grove
Campus (MD)

AS Public Health Sciences to B.S. Public Health
Science

Get Involved at MC!

Employers and Transfer Institutions are looking for experience outside the classroom.

MC Student Clubs and Organizations

<https://cms.montgomerycollege.edu/edu/plain.aspx?id=2439>

Related Careers

Some require a Bachelor's degree.

Health Policy Analyst

Health Administration – Program Specialist

Epidemiologist

Career Services

<http://www.montgomerycollege.edu/career>

Career Coach

A valuable online search tool that will give you the opportunity to explore hundreds of potential careers or job possibilities in Maryland and the Washington D.C. metropolitan area.

Get started today on your road to a new future and give it a try. Visit the website listed below:

<https://montgomerycollege.emsicareercoach.com>

Notes: