

PUBLIC HEALTH SCIENCE AREA OF CONCENTRATION WITHIN HEALTH SCIENCES A.S. (TRANSFER)

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Program Description

Prepares students to further their career goals in Public Health Science. This program of study prepares students to transfer to a four-year institution. It requires completion of general education courses and selected Public Health and Science courses.

A grade of "C" or better must be earned in PSYC 101, SOCY 101, MATH 175, BSCI 150, BSCI 201, and all Concentration Courses in the Public Health Science program.

Program Learning Outcomes

- Define the role of Public Health in the broader context of education in public sectors.
- Describe the science of human health and disease across the lifespan.
- Identify health-related needs and describe interventional approaches to promote and protect health.
- Examine socio-economic, behavioral, biological, and environmental factors that contribute to health and disease.

Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (<https://frederick-public.courseleaf.com/general-education-core/#cultural>).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must earn a grade of "C" or better in PSYC 101, SOCY 101, MATH 175, BSCI 150, BSCI 201, and all Concentration Courses in the Public Health Science program.

Code	Title	Credits
English		
ENGL 101	English Composition	3
Mathematics		
MATH 175	Applied Calculus ¹	3
Social & Behavioral Sciences		
Social & Behavioral Sciences Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#social-behavioral) - Required course(s) below:		3
PSYC 101	General Psychology	
or SOCY 101	Introduction to Sociology	
Social & Behavioral Sciences Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#social-behavioral)		3
Arts & Humanities		
Arts Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#arts)		3
Humanities Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#humanities)		3
Communication Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#communication)		3
Biological & Physical Sciences		
BSCI 150	Principles of Biology I	4
BSCI 201	Anatomy and Physiology I	4
General Education Elective		
PHED 165	Fitness for Living (required)	
Physical Education, Health, or Nutrition Requirement		
PHED 165	Fitness for Living (satisfies this requirement)	
Concentration Courses		
PBHL 170	Foundations of Public Health	3
BSCI 202	Anatomy and Physiology II	4
BSCI 240	Genetics (Spring)	4
BSCI 263	Elements of Microbiology (Fall)	4
CHEM 101	General Chemistry I	4
CHEM 150	Essentials of Organic Chemistry and Biochemistry ²	4
or CHEM 201	Organic Chemistry I	
PBHL 240	Introduction to Health Behaviors	3
Electives ³		2
Total Credits		60

1

MATH 175 has a prerequisite of MATH 145 or MATH 145S

2

CHEM 201 has a prerequisite of CHEM 102

3

Select electives in consultation with an advisor

Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

Guided Pathway to Success (GPS)

Suggested schedules map your path to degree completion.

Students should meet with an advisor each semester to carefully select and sequence courses based on their specific academic goals and interests. Visit Jefferson Hall or call 301.846.2471 for advising.

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Recommended First Semester		Credits
ENGL 101	English Composition ¹	3
MATH 175	Applied Calculus ^{1,2}	3
Arts Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#arts)		3
BSCI 150	Principles of Biology I	4
PBHL 170	Foundations of Public Health	3
Credits		16
Recommended Second Semester		Credits
BSCI 201	Anatomy and Physiology I	4
COMM 102	Interpersonal Communication	3
Elective ³		2
Social & Behavioral Sciences Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#social-behavioral) - Required course(s) below:		3
PSYC 101 or SOCY 101	General Psychology or Introduction to Sociology	
CHEM 101	General Chemistry I	4
Credits		16
Recommended Third Semester		Credits
BSCI 202	Anatomy and Physiology II	4
CHEM 150 or CHEM 201	Essentials of Organic Chemistry and Biochemistry ⁴ or Organic Chemistry I	4
PBHL 240	Introduction to Health Behaviors	3
Humanities Elective (Gen Ed Course List) (https://frederick-public.courseleaf.com/general-education-core/#humanities)		3
Credits		14
Recommended Fourth Semester		Credits
BSCI 240	Genetics (Spring)	4
BSCI 263	Elements of Microbiology (Fall)	4
PHED 165	Fitness for Living	3
Social & Behavioral Sciences Elective - Recommended Course(s) below:		3
SOCY 101	Introduction to Sociology	
Credits		14
Total Credits		60

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Take this course within the first 24 credits

2

MATH 175 has a prerequisite of MATH 145 or MATH 145S

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Select electives in consultation with an advisor

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CHEM 201 has a prerequisite of CHEM 102

Part-time Students

Part-time students should complete courses in the order listed on the pathway. Please contact program manager for questions about part-time status.

Students who take fewer than 15 credits each semester or who require developmental English or Math coursework will need additional semesters to complete their degrees. Summer term and January session classes may help students to make faster progress.

Pathway Legend

Milestone - courses with the Milestone notation should be taken within the recommend credit range to stay on track for program completion.

Fall, Spring, Summer - courses with a Fall, Spring, or Summer notation indicate the course is offered in the specified semester only.