

BS, Public Health Science (General Education)

Be sure to consult the [PHSC Curriculum page](#) for details and course offerings.

Graduation Planning: Your Roadmap to Degree Completion

This is a sample 8 semester plan for a student with Math eligibility of MATH120 or higher.

Year 1: University Requirements FSAW and FSMA: attempt by 30 credits earned, pass with "C-" or higher by 60 credits Major Benchmark 1 CHEM131/132 pass with "C-" or higher by the end of two (2) semesters into the major	<table><tr><th colspan="2">Fall</th></tr><tr><th>Course Numbers</th><th>Credits</th></tr><tr><td>ENGL101 (FSAW)</td><td>3</td></tr><tr><td>MATH120 (FSMA)</td><td>3</td></tr><tr><td>BSCI170 (DSNS)</td><td>3</td></tr><tr><td>SPHL100</td><td>3</td></tr><tr><td>UNIV100</td><td>1</td></tr><tr><td>Elective</td><td>3</td></tr><tr><td></td><td></td></tr><tr><td>Total semester credits:</td><td>16</td></tr></table>	Fall		Course Numbers	Credits	ENGL101 (FSAW)	3	MATH120 (FSMA)	3	BSCI170 (DSNS)	3	SPHL100	3	UNIV100	1	Elective	3			Total semester credits:	16	<table><tr><th colspan="2">Spring</th></tr><tr><th>Course Numbers</th><th>Credits</th></tr><tr><td>CHEM131 (DSNL)</td><td>3</td></tr><tr><td>CHEM132</td><td>1</td></tr><tr><td>History and Social Science (DSHS)</td><td>3</td></tr><tr><td>Humanities (DSHU)</td><td>3</td></tr><tr><td>BSCI180</td><td>1</td></tr><tr><td>Elective</td><td>3</td></tr><tr><td></td><td></td></tr><tr><td>Total semester credits:</td><td>14</td></tr></table>	Spring		Course Numbers	Credits	CHEM131 (DSNL)	3	CHEM132	1	History and Social Science (DSHS)	3	Humanities (DSHU)	3	BSCI180	1	Elective	3			Total semester credits:	14	Total Credits by the end of this year: 30
Fall																																											
Course Numbers	Credits																																										
ENGL101 (FSAW)	3																																										
MATH120 (FSMA)	3																																										
BSCI170 (DSNS)	3																																										
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Elective	3																																										
Total semester credits:	14																																										
Year 2: Major Benchmark 2 CHEM231/232 pass with "C-" or higher by the end of four (4) semesters into the major	<table><tr><th colspan="2">Fall</th></tr><tr><th>Course Numbers</th><th>Credits</th></tr><tr><td>CHEM231</td><td>3</td></tr><tr><td>CHEM232</td><td>1</td></tr><tr><td>History and Social Science (DSHS) w/Big Question (SCIS)</td><td>3</td></tr><tr><td>Scholarship in Practice (DSSP) (outside major)</td><td>3</td></tr><tr><td>Oral Communication (FSOC)</td><td>3</td></tr><tr><td>Elective</td><td>3</td></tr><tr><td></td><td></td></tr><tr><td>Total semester credits:</td><td>16</td></tr></table>	Fall		Course Numbers	Credits	CHEM231	3	CHEM232	1	History and Social Science (DSHS) w/Big Question (SCIS)	3	Scholarship in Practice (DSSP) (outside major)	3	Oral Communication (FSOC)	3	Elective	3			Total semester credits:	16	<table><tr><th colspan="2">Spring</th></tr><tr><th>Course Numbers</th><th>Credits</th></tr><tr><td>BSCI223 (SCIS)</td><td>4</td></tr><tr><td>HLTH366</td><td>3</td></tr><tr><td>EPIB301</td><td>3</td></tr><tr><td>Humanities (DSHU) w/ Diversity (DVUP or DVCC)</td><td>3</td></tr><tr><td>Elective</td><td>3</td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td>Total semester credits:</td><td>16</td></tr></table>	Spring		Course Numbers	Credits	BSCI223 (SCIS)	4	HLTH366	3	EPIB301	3	Humanities (DSHU) w/ Diversity (DVUP or DVCC)	3	Elective	3					Total semester credits:	16	Total Credits by the end of this year: 62
Fall																																											
Course Numbers	Credits																																										
CHEM231	3																																										
CHEM232	1																																										
History and Social Science (DSHS) w/Big Question (SCIS)	3																																										
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Humanities (DSHU) w/ Diversity (DVUP or DVCC)	3																																										
Elective	3																																										
Total semester credits:	16																																										
Year 3: Selected major course prerequisites: HLTH366: 45+ credits and (HLTH130, HLTH230, PSYC100, SOCY100, SOCY105, or ANTH260) BSCI222: (BSCI170 and (BSCI171 or BSCI180), CHEM131/132 and CHEM231/232 or BSCI160 and (BSCI161 or BSCI180))	<table><tr><th colspan="2">Fall</th></tr><tr><th>Course Numbers</th><th>Credits</th></tr><tr><td>BSCI201</td><td>4</td></tr><tr><td>EPIB315 (FSAR)</td><td>3</td></tr><tr><td>MIEH300</td><td>3</td></tr><tr><td>PHSC Option #1</td><td>3</td></tr><tr><td>Elective</td><td>3</td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td>Total semester credits:</td><td>16</td></tr></table>	Fall		Course Numbers	Credits	BSCI201	4	EPIB315 (FSAR)	3	MIEH300	3	PHSC Option #1	3	Elective	3					Total semester credits:	16	<table><tr><th colspan="2">Spring</th></tr><tr><th>Course Numbers</th><th>Credits</th></tr><tr><td>BSCI 202</td><td>4</td></tr><tr><td>PHSC450 (DVUP)</td><td>3</td></tr><tr><td>Professional Writing (FSPW)</td><td>3</td></tr><tr><td>PHSC Option #2</td><td>3</td></tr><tr><td>Elective</td><td>3</td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td>Total semester credits:</td><td>16</td></tr></table>	Spring		Course Numbers	Credits	BSCI 202	4	PHSC450 (DVUP)	3	Professional Writing (FSPW)	3	PHSC Option #2	3	Elective	3					Total semester credits:	16	Total Credits by the end of this year: 94
Fall																																											
Course Numbers	Credits																																										
BSCI201	4																																										
EPIB315 (FSAR)	3																																										
MIEH300	3																																										
PHSC Option #1	3																																										
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Total semester credits:	16																																										
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PHSC450 (DVUP)	3																																										
Professional Writing (FSPW)	3																																										
PHSC Option #2	3																																										
Elective	3																																										
Total semester credits:	16																																										
Year 4: Selected major course prerequisites: KNES320: BSCI201 and BSCI202 PHSC415: 60+ credits and BSCI201 and BSCI202 PHSC497: Final term and FSPW (Professional Writing) and PHSC450	<table><tr><th colspan="2">Fall</th></tr><tr><th>Course Numbers</th><th>Credits</th></tr><tr><td>PHSC415</td><td>3</td></tr><tr><td>HLSA300</td><td>3</td></tr><tr><td>BSCI222</td><td>4</td></tr><tr><td>PHSC Option #3</td><td>3</td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td>Total semester credits:</td><td>13</td></tr></table>	Fall		Course Numbers	Credits	PHSC415	3	HLSA300	3	BSCI222	4	PHSC Option #3	3							Total semester credits:	13	<table><tr><th colspan="2">Spring</th></tr><tr><th>Course Numbers</th><th>Credits</th></tr><tr><td>PHSC497 (DSSP)</td><td>3</td></tr><tr><td>KNES320</td><td>4</td></tr><tr><td>PHSC Option #4</td><td>3</td></tr><tr><td>Elective</td><td>3</td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td>Total semester credits:</td><td>13</td></tr></table>	Spring		Course Numbers	Credits	PHSC497 (DSSP)	3	KNES320	4	PHSC Option #4	3	Elective	3							Total semester credits:	13	Total Credits by the end of this year: 120
Fall																																											
Course Numbers	Credits																																										
PHSC415	3																																										
HLSA300	3																																										
BSCI222	4																																										
PHSC Option #3	3																																										
Total semester credits:	13																																										
Spring																																											
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PHSC497 (DSSP)	3																																										
KNES320	4																																										
PHSC Option #4	3																																										
Elective	3																																										
Total semester credits:	13																																										

Note: Some PHSC major courses overlap with UMD General Education requirements. **

Total Degree Credits: 120

BS, Public Health Science - Degree Requirements

Grade/ Status
Key: IP= In progress
Rpt= repeated or must
AP/IB/AA repeat / fulfilled

Consult the [PHSC Curriculum page](#) for details and specific course offerings by term.

GENERAL EDUCATION REQUIREMENTS

AA verified? ☐

Category	Credits	Course	Grade/ Status	Complete
GenEd: FUNDAMENTAL STUDIES (9 credits)				
[FSAW] Academic Writing	3			☐
[FSPW] Professional Writing (Pre-Req: 60+ credits)	3			☐
[FSOC] Oral Communication	3			☐
[FSMA] Mathematics		FSAR is fulfilled by PHSC major required course MATH120		
[FSAR] Analytic Reasoning		FSAR is fulfilled by PHSC major required course EPIB315		
GenEd: DISTRIBUTIVE STUDIES (15 credits)				
[DSHU] Humanities 1	3			☐
[DSHU] Humanities 2	3			☐
[DSHS] History and Social Science 1 (Choose 1 from ANTH260, HLTH130, HLTH230, PSYC100, SOC100, or SOC105)	3			☐
[DSHS] History and Social Science 2	3			☐
[DSNS] & [DSNL] Natural Science & Natural Science with Lab		DSNS & DSNL are fulfill with PHSC major requirements BSCI170 and CHEM131/132		
[DSSP] Scholarship in Practice 1 (outside major; must not fulfill any PHSC major requirements, including Options)	3			☐
[DSSP] Scholarship in Practice 2 (in major)		DSSP in major is fulfilled by PHSC major required course PHSC497		
GenEd: BIG QUESTION (formerly I-Series) and DIVERSITY (0-6 credits)				
[SCIS] Big Questions 1 (formerly i-Series, can also fulfill a Distributive Studies category)	0-3			☐
[SCIS] Big Questions 2 - formerly i-Series		SCIS 2 is fulfilled by PHSC major required course BSCI223		
[DVUP] or [DVCC] Understanding Plural Societies or Cultural Competency (can also fulfill a Distributive Studies category)	0-3			☐
[DVUP] Understanding Plural Societies 2		DVUP is fulfilled by PHSC major required course PHSC450		
Notes on your checklist				
PHSC Benchmarks				
1st semester in major				
* Benchmark 1 * Complete CHEM131 and CHEM132 with grades of "C-" or higher by the end of two semesters into the major.				
** Benchmark 2 ** Complete CHEM231 and CHEM232 with grades of "C-" or higher by the end of four semesters into the major.				
(for advisor use only)				
FSMA/FSAW:				
Created by				
Updated by				

updated 8.21.26 RDS

PHSC MAJOR REQUIREMENTS**PHSC: SCIENTIFIC FOUNDATIONS**

Course Number [Gen Ed]	Course Titles (Prerequisites)	Credits	Alt Course	Grade/ Status	Complete
MATH120 [FSMA]	Calculus (Pre-Req: MATH120 eligibility)	3			☐
BSCI170 [DSNS]	Principles of Molecular & Cellular Biology (Pre-Req: MATH 120 eligibility)	3			☐
BSCI180 or 171 [DSNL]	Principles Biology Laboratory (Pre-Req: MATH 120 eligibility and BSCI170 or BSCI160 for BSCI180)	1			☐
BSCI201	Human Anatomy and Physiology I (Pre-Req: BSCI170)	4			☐
BSCI202	Human Anatomy and Physiology II (Pre-Req: BSCI201)	4			☐
BSCI222	Principles of Genetics (Pre-Req: BSCI170 & BSCI180 and CHEM131/132 and CHEM231/232)	4			☐
BSCI223 [SCIS]	General Microbiology (Pre-Req: BSCI170 & BSCI180)	4			☐
* CHEM131	Chemistry I - Fundamentals of General Chemistry (Pre-Req: MATH 120 eligibility)	3			☐
* CHEM132 [DSNL]	General Chemistry I Laboratory (Pre-Req: MATH 120 eligibility)	1			☐
** CHEM231	Organic Chemistry I (Pre-Req: C- in CHEM131 and 132)	3			☐
** CHEM232	Organic Chemistry Laboratory I (Pre-Req: C- in CHEM131 and 132)	1			☐

PHSC: PUBLIC HEALTH SCIENCE FOUNDATIONS

Course Number [Gen Ed]	Course Titles	Credits	Alt Course	Grade/ Status	Complete
SPHL100	Foundations of Public Health	3			☐
EPIB301	Epidemiology for Public Health Practice (Pre-Req: 45+ credits)	3			☐
EPIB315 [FSAR]	Biostatistics for Public Health Practice (Pre-Req: 45+ credits; EPIB301)	3			☐
HLTH366	Behavioral and Community Issues in Public Health (Pre-Req: 45+ credits; ANTH260, HLTH130, HLTH230, PSYC100, SOC100, or SOC105)	3			☐
HLSA300	Introduction to Health Policy and Services (Pre-Req: 60+ credits; SPHL100 completed or concurrent)	3			☐
KNES320	Physiology of Exercise (Pre-Req: BSCI201 and BSCI202)	4			☐
MIEH300	A Public Health Perspective: Introduction to Environmental Health (Pre-Req: 60+ credits; CHEM131/132; SPHL100 completed or concurrent)	3			☐
PHSC450 [DVUP]	Addressing Social and Structural Inequities Through Public Health (Pre-Req: 60+ credits; MIEH300 and SPHL100)	3			☐
PHSC415	Essentials of Public Health Biology: The Cell, The Individual, and Disease (Pre-Req: 60+ credits; BSCI201, BSCI202)	3			☐
PHSC497 [DSSP]	Public Health Science Capstone (Pre-Req: 100+ credits; FSPW and PHSC450)	3			☐

PUBLIC HEALTH SCIENCE OPTIONS (12 credits)

	Credits	Course	Grade/ Status	Complete
PHSC OPTION #1		300-400 level courses chosen from approved PHSC options.		☐
PHSC OPTION #2		See past and current offerings at go.umd.edu/phsclasses		☐
PHSC OPTION #3				☐
PHSC OPTION #4				☐