

Degree Pathway

A.S. in Health Sciences – General Health Sciences Concentration Catalog Year 2024-25

General Health Sciences (GHS) is one of five concentrations available for students pursuing the A.S. in Health Sciences. The program prepares students for transfer to colleges offering a wide variety of B.S. options in many different aspects of health care. Students who plan to apply for an A.A.S. degree in Nursing should see the additional information provided at the end of this degree map.

Queensborough Community College (QCC) has partnered with [Molloy University](#) to provide students with a pathway that starts with an [A.S. in Health Sciences](#) at QCC and leads to a [B.S. in Interdisciplinary Studies](#) at Molloy. This A.S. degree can be also used to transfer to many different regional programs. QCC is developing partnerships with several of these programs including the following: [B.S. in Applied Gerontology \(SUNY Farmingdale\)](#), B.S. in [Health Promotion & Wellness](#) (SUNY Farmingdale), Health Sciences ([CUNY York](#), [SUNY Stony Brook](#)), [Nutrition Science](#) (SUNY Farmingdale), and [Public Health](#) (St. Francis College).

Students are strongly recommended to choose their A.S. major elective courses according to the requirements of the program to which they plan to apply. A table detailing recommended electives for B.S.-level transfer programs is included below for those programs that either have an articulation with QCC or are in the process of developing an articulation.

The number of credits you take each year will determine when you graduate. To graduate on time, you are strongly encouraged to enroll in at least 30 credits toward your degree during each academic year, including fall and spring semesters and winter and summer sessions. This Degree Pathway is designed for students who place into **developmental English and math**. An additional pathway is available for students who place into ENGL-101 and MA-119. Please see the [degree website](#) or your advisor for more information.

Courses in **Bold Text** are prerequisites for later courses and should be taken where indicated in the sequence.

Semester #1

Courses	Credits	Prerequisites or Corequisites ¹
ENGL-101 English Composition I (Required Core 1A - English Composition)	3	Pre/corequisite: Must satisfy developmental requirement in English or be co-enrolled in BE-102
ENGL-99 Developing Competence in College Reading, Writing, & Study Skills	0 (4 eq.)	Corequisite: ENGL-101
MA-119 College Algebra (Required Core 1B: Mathematical and Quantitative Reasoning)	3	Pre/corequisite: Must satisfy developmental requirement in math or be co-enrolled in MA-10 ALP
MA-10 ALP Elementary Algebra	0 (2 eq.)	Corequisite: MA-119
BI-150 Organization and Delivery of Health Care	2	None
Total credits for semester	8 + (6 eq.)	

Semester #2

Courses	Credits	Prerequisites or Corequisites ¹
ENGL-102 English Composition II (Required Core 1A: English Composition)	3	ENGL-101 or placement
MA-336 Statistics - If taken in semester #1, select major elective from below	3	MA-119 (C or better)
BI-302 Anatomy and Physiology II ² (Additional Flexible Core Course)	4	BI-301
Major Elective Courses ⁴ - choose from table below	5	See table below
Total credits for semester	15	

Summer Session

Courses	Credits	Prerequisites and Corequisites ¹
BI-302 Anatomy and Physiology II ³ (Additional Flexible Core Course)	4	Prerequisite: BI-301
One course from Flexible Core 2A, 2B, or 2C ⁵	3	Check individual courses for prerequisites and corequisites
Total credits for semester	7	

Semester #3

Courses	Credits	Prerequisites or Corequisites ¹
Major Elective Courses ⁴ – Choose from table below	7	See table below
PHIL-140 Medical Ethics ³ (Flexible Core 2D)	3	Complete developmental English or co-enroll in ENGL-101
One course from Flexible Core 2A, 2B or 2C ⁵	3	Check individual courses for prerequisites and corequisites
One course from Flexible Core 2A, 2B or 2C ⁴⁵	3	Check individual courses for prerequisites and corequisites
Total credits for semester	16	

Semester #4

Courses	Credits	Prerequisites or Corequisites ¹
Major Elective Courses⁴ – Choose from table below to total 20 elective credits	12-13	See table below
Free Electives to total 60 credits	2-3	Check individual courses for prerequisites and corequisites
Total credits for semester	15	
Total credits required for A.S in Health Sciences	60	

Notes:

1. Prerequisites for a course must be passed before taking the course. Corequisites must be passed before taking the course or taken in the same term as the course.
2. MA-121 is required for students who choose to take PH-301 or CH-151 as a major elective.
3. Certain required courses also fulfill core requirements (1B, 1C, 2D, 2E, and one additional Flexible Core course). If students do not take those courses to satisfy the specified areas of the common core, they will still have to complete those courses (as additional credits) to fulfill degree requirements.
4. Students should consult with an advisor or health science faculty member to choose major elective courses. See the list of major elective courses for the General Health Sciences concentration below.
5. Students must complete one course from each of the flexible core categories (2A, 2B, 2C, 2D, and 2E) and one additional course from any one of the categories. PHIL-140 will fulfill 2D. PSYC-101 will fulfill 2E. BI-302 will fulfill one additional Flexible Core course.

All students must complete two (2) WI designated classes to fulfill degree requirements.

General Health Sciences Concentration – Complete **20 credits** from the following list as indicated below

Courses	Credits	Prerequisites or Corequisites
Complete one of the following courses:		
BI-201 General Biology I ¹	4	Complete developmental requirements in English
BI-311 Microbiology	4	BI-202 or BI-302
BI-356 Principles of Genetics	4	BI-201 (C or better)
BI-520 Introduction to Public Health	4	Complete developmental requirements in English
CH-127 Intro General Chemistry ¹ or CH-151 General Chemistry I ^{1,2}	4.5	For CH-127: none For CH-151: MA-119 and MA-121 or placement in MA-440 or higher
PH-101 Principles of Physics ^{1,2} or PH-301 College Physics I ^{1,2}	4	For PH-101: none For PH-301: MA-119 and MA-121 or MA-114
Complete one of the following courses:		
BI-425 Pathophysiology	3	BI-302 or BI-421
BI-503 General Epidemiology	3	BI-201
BU-201 Business Organization and Management	3	None
BU-917 Healthcare Information Management	3	None
CS-100 Introduction to Computers and Programming ¹	3	None
HE-103 Fundamentals of Human Nutrition ¹	3	None

(Continued on next page)

Complete one of the following courses:		
PSYC-230 Abnormal Psychology	3	PSYC-101
PSYC-220 Human Growth & Development	3	PSYC-101
SOCY-101 Sociology ¹	3	Complete developmental requirements in English or co-enroll in ENGL-101
SP-211 Speech Communication ¹	3	None
Complete additional courses from the following list to reach a total of 20 credits:		
BI-201 General Biology I ¹	4	Complete developmental requirements in English
BI-202 General Biology II	4	BI-201
BI-311 Microbiology	4	BI-202 or BI-302
BI-356 Principles of Genetics	4	BI-201 (C or better)
BI-403 Medical Terminology	2	None
BI-425 Pathophysiology	3	BI-302 or BI-421
BI-503 General Epidemiology	3	BI-201
BI-520 Introduction to Public Health	4	Complete developmental requirements in English
BI-550 Field Internship in Health Sciences	2	Departmental Permission
BU-201 Business Organization and Management	3	None
BU-917 Healthcare Information Management	3	None
CH-127 Intro General Chem ¹ or CH-151 General Chem I ^{1,2}	4.5	For CH-127: none; For CH-151: MA-119 and MA-121 or placement in MA-440 or higher
CH-128 Intro Organic Chem ¹ or CH-152 General Chem II ^{1,2}	4.5	For CH-128: CH-120, CH-127, or CH-151; For CH-152: CH-151
CS-100 Introduction to Computers and Programming ¹	3	None
HE-102 Health, Behavior and Society	2	None
HE-103 Fundamentals of Human Nutrition ¹	3	None
HE-110 Cardiopulmonary Resuscitation	1	None
IS-151 Health of the Nation	2	None
MA-121 Elementary Trigonometry	1	Corequisite: MA-119
PH-101 Principles of Physics ^{1,2} or PH-301 College Physics I ^{1,2}	4	For PH-101: none For PH-301: MA-119 and MA-121 or MA-114
PH-302 College Physics II ²	4	PH-301 (C or better)
PSYC-230 Abnormal Psychology	3	PSYC-101
PSYC-220 Human Growth & Development	3	PSYC-101
SOCY-101 Sociology ¹	3	Complete developmental requirements in English or co-enroll in ENGL-101
SP-211 Speech Communication ¹	3	None

Notes:

1. Some elective courses can be used to satisfy areas of the Flexible Core. In that case, those courses may not also be used to satisfy a concentration requirement.
2. Students should select CH-151/152 or CH-127/128 depending on the requirements of the program they wish to transfer to after graduation. Please see a departmental advisor for more information.
3. Students should select PH-101 or PH-301/302 depending on the requirements of the program they wish to transfer to after graduation. Please see a departmental advisor for more information.

Requirements for New York City area Health Science programs offering admission to QCC college graduates.

Courses	Molloy University	CUNY York College	SUNY Stony Brook	SUNY Farmingdale	SUNY Farmingdale	SUNY Farmingdale	St. Francis College
Degree Earned	BS Interdiscip Studies	BS Health Sciences	B.S. Health Sciences	BS Applied Gerontology	BS Nutrition	BS Health Pro & Well	BS Public Health
Program Website	Click here	Click here	Click here	Click here	Click here	Click Here	Click here
Minimum GPA for admission to B.S. program		2.5	2.0				2.0
<i>Required QCC major electives for admission to the program</i>							
BI-201 General Biology	+	-	+	-	X	+	+
BI-202 General Biology II	+	-	+	-	X	-	+
BI-311 Microbiology	+	+	-	-	X	X	+
BI-356 Principles of Genetics	-	-	-	-	-	-	+
BI-403 Medical Terminology	-	X	-	-	-	-	-
BI-425 Pathophysiology	-	+	-	-	-	-	+
BI-503 General Epidemiology	-	X	-	-	-	-	+
BI-520 Introduction to Public Health	-	X	-	-	-	X	X
BI-550 Field Internship in Health Sciences	-	X	-	-	-	-	-
BU-201 Business Organization and Management	+	+	+	X	-	-	X
BU-917 Healthcare Information Management	-		-	-	-	-	+
CH-127 Intro General Chemistry or CH-151 General Chem I	+	+ (CH-151)	+(CH-151)	-	X (CH-151)	X	+
CH-128 Intro Organic Chemistry or CH-152 General Chem II	+	+ (CH-152)	+(CH-152)	-	X (CH-152)	-	+
CS-100 Introduction to Computers and Programming	+	-	+	X	-	-	X
HE-102 Health, Behavior and Society	-	X	-	-	-	X	-
HE-103 Fundamentals of Human Nutrition	+	X	+	X	X	X	X
HE-110 Cardiopulmonary Resuscitation	-	-	-	-	-	-	-
IS-151 Health of the Nation	-	-	-	-	-	-	-
MA-121 Elementary Trigonometry	-	+	-	-	-	-	+
PH-101 Principles of Physics or PH-301 College Physics I	+	+ (PH-301)	-	-	-	-	+
PH-302 College Physics II	-	+	-	-	-	-	+
PSYC-220 Human Growth & Development	+	-	+	X	-	-	+
PSYC 230 Abnormal Psychology	+	-	+	X	-	-	+
SOCY-101 Sociology	+	-	+	X	X	X	+
SP-211 Speech Communication	+	-	+	X	-	X	X

Legend: X recommended for admission + part of a list of possible elective choices – not recommended

1. SUNY Stony Brook requires Anatomy 1 and 2, as well as an additional 8 credits of natural science coursework (biology, chemistry, or physics).