

Degree Map

A.S. in Health Sciences – Medical Imaging Concentration

Catalog Year 2025-26

Medical Imaging is one of five concentrations available for students pursuing the A.S. in Health Sciences. The program prepares students for transfer to colleges offering B.S. programs in different fields of medical imaging.

Medical imaging professionals are allied health care practitioners who carry out, manage, or teach imaging procedures of internal organs, such as sonography, echocardiography, mammography, X-ray, vascular imaging, magnetic resonance imaging (MRI), computed tomography (CT), and nuclear medicine technology. Specialized technologists produce high quality images for diagnostic purposes, such as the detection of a lesion or abnormal tissue including tumors, or assist physicians during treatments, such as a biopsy or aspiration. Medical imaging professionals may be involved in the treatment of patients of all age groups, ranging from newborns to the elderly. Career opportunities extend beyond the technical aspect of the field: graduates may progress as lead technologists who supervise and implement policies and procedures or become educators in their field of expertise. Further information, including job availability in the New York area and salaries, is available at these pages in Career Coach: [Nuclear Medicine Technologists](#), [Diagnostic Medical Sonographers](#), [Radiologic Technologists and Technicians](#).

Queensborough Community College (QCC) has partnered with [Molloy University](#) and [SUNY Downstate Health Sciences University](#) to provide students with pathways that start with an [A.S. in Health Sciences](#) at QCC and lead to a [B.S. in Nuclear Medicine Technology](#) at Molloy University or a [B.S. in Diagnostic Medical Imaging](#) at SUNY Downstate. Additional regional schools that offer a B.S. in medical imaging fields include St. John's University ([Radiologic Sciences](#)), LIU Post ([Radiologic Technology](#)), and Manhattanville College ([Radiologic Technology](#)). 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 the recommended electives for the B.S.-level transfer programs is included below.

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 map is designed for students who place into **developmental English and math**. An additional degree map 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	Prerequisite: ENGL-101 or placement
MA-336 Statistics - If taken in semester #1, select major elective from below	3	Prerequisite: MA-119 (C or better)
BI-301 Anatomy and Physiology I ³ (Required Core 1C: Life & Physical Sciences)	4	Prerequisite: Complete developmental requirements in English
PSYC-101 Psychology ³ (Flexible Core 2E)	3	Complete developmental English or co-enroll in ENGL-101
Major Elective Courses ⁴ - choose from table below	3	See table below
Total credits for semester	16	

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 ⁴	3	Check individual courses for prerequisites and corequisites
Total credits for semester	7	

Semester #3

Courses	Credits	Prerequisites or Corequisites ¹
Major Elective Courses – Choose from table below	6	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 ⁴	3	Check individual courses for prerequisites and corequisites
One course from Flexible Core 2A, 2B or 2C ⁴	3	Check individual courses for prerequisites and corequisites
Total credits for semester	15	

Semester #4

Courses	Credits	Prerequisites or Corequisites ¹
Major Elective Courses – Choose from table below to total 20 elective credits	11	See table below
Free Electives to total 60 credits	3	Check individual courses for prerequisites and corequisites
Total credits for semester	14	
Total credits required for A.S in Health Sciences⁵	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 as a major elective. If taken, MA-121 counts 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 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.

Medical Imaging Concentration Electives – Complete 20 credits from the following list as indicated:

Courses	Credits	Prerequisites or Corequisites
BI-403 Medical Terminology	2	None
BI-520 Introduction to Public Health	4	Complete developmental requirements in English
BI-550 Field Internship in Health Sciences	2	Departmental Permission
CH-127 Introductory General Chemistry or CH-151 General Chemistry I	4.5	For CH-151: MA-119 and MA-121 or placement in MA-440 or higher
CH-128 Introductory Organic Chemistry or CH-152 General Chemistry II	4.5	CH-120 or CH-127 or CH-151
CS-100 Introduction to Computers and Programming	3	Complete developmental requirements in Mathematics
HE-110 Cardiopulmonary Resuscitation	1	None
IS-151 The Health of the Nation	2	None
MA-121 Elementary Trigonometry	1	Corequisite: MA-119
PH-101 Principles of Physics or PH-301 College Physics I	4	For PH-101: none; For PH-301: MA-114 or MA-119 and MA-121
PH-302 College Physics II	4	PH-301 with grade of C or better
SP-211 Speech Communication	3	None

Requirements for New York City area Medical Imaging programs

Requirement	Molloy University ¹	SUNY Downstate ²	LIU Post	Manhattanville	St. John's
Degree(s) earned	B.S. in Nuclear Medicine Technology	B.S. in Diagnostic Medical Imaging	B.S. in Diagnostic Medical Sonography	B.S. in Radiologic Technology	B.S. in Radiologic Sciences
Program website	Click Here	Click Here	Click Here	Click Here	Click Here
Credits required after transfer	60	60	64	61	68
Minimum GPA for admission to B.S.	2.5	3.0	2.75	2.75	unpublished
Volunteer hours required prior to admission	none	20	6	none	none
<i>Required QCC major electives for admission to the program</i>					
BI-403 Medical Terminology	+	+	-	X	-
BI-520 Introduction to Public Health	+	+	-	-	-
BI-550 Field Internship in Health Sciences	+	X	-	-	-
CH-127 Introductory General Chemistry or CH-151 General Chemistry I	X (CH-127)	X (CH-127)	+ (CH-151)	+	-
CH-128 Introductory Organic Chemistry or CH-152 General Chemistry II	X (CH-128)	+ (CH-128)	+ (CH-152)	-	-
CS-100 Introduction to Computers and Programming	+	+	+	-	-
IS-151 The Health of the Nation	+	+	-	-	-
MA-121 Elementary Trigonometry	X	X	+	-	X
PH-101 Principles of Physics	+	-	-	+	-
PH-301 College Physics I	X	X	+	-	X
PH-302 College Physics II	X	+	+	-	+
PSYC-220 Human Growth and Development	-	-	-	X	-
SP-211 Speech Communication	+	+	-	-	X

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

Notes:

1. Molloy University: This represents an existing articulation agreement between QCC and Molloy College.
2. SUNY Downstate Medical Center: This represents an existing articulation agreement between QCC and the Downstate Medical College.