

# HEALTH RELATED STUDIES, A.S.

**Major Code:** 1451

The Health-Related Studies degree will prepare students for transfer into bachelor's degree programs that prepare graduates to work in the health care industry. The curriculum provides a strong foundation in the sciences including courses in the areas of biology, anatomy and physiology, and chemistry. Most transfer institutions have unique entrance requirements (information that should be acquired as soon as possible). The Health-Related Studies program offers a degree of flexibility that allows students to satisfy the different entrance requirements at the various transfer institutions, as well as to obtain entry-level positions in some laboratories.

The Health-Related Studies program includes course offerings that articulate with higher-division institutions in all of the following career options: nuclear medicine, physical therapy, health information management, health services management, physician assistant, diagnostic medical sonography (ultrasound), occupational therapy, respiratory care, medical technology, cytotechnology, cardiovascular perfusion, addiction counseling sciences, emergency medical services, mental health technology, occupational and environmental health, and science-intensive pre-professional fields (medical, dental, chiropractic, veterinarian).

## Student Learning Outcomes

Upon successful completion of this program, students will be able to:

- Apply selected biologic and chemical concepts to biological problems.
- Solve scientific problems using algebra, trigonometry, and statistics.
- Display both written and oral communication skills using scientific terminology.
- Collaborate and cooperate as a group member in a culturally diverse scientific environment.
- Use available research tools including, but not limited to, the internet to find answers to scientific questions.
- Critically evaluate and integrate scientific literature, principles, and concepts.
- Practice safe laboratory techniques, including adherence to all safety rules and regulations.

## Curriculum Requirements

A minimum of 60 credits is required for degree completion.

Code	Title	Credits
BIOL 120	General Biology I	4
BIOL 121	General Biology II	4
BIOL 150	Human Anatomy + Physiology I	4
BIOL 151	Human Anatomy + Physiology II	4
CHEM 121	General College Chemistry I	4
CHEM 122	General College Chemistry II	4
Additional Required Science		
Select a minimum of two courses of the following:		6-8
BIOL 135	Myology I	
BIOL 136	Myology II	

BIOL 137	Neurology	
BIOL 285	General Microbiology	
BIOL 300	Biol Normal & Neoplastic Cells	
BIOL 301	Pathophysiology	
BIOL 302	Epidemiology	
BIOL 405	Basic Immunology	
CHEM 241	Organic Chemistry I	
CHEM 242	Organic Chemistry II	
PHYS 107	Introductory Physics I	
PHYS 108	Introductory Physics II	
PHYS 127	General Physics I	
PHYS 128	General Physics II	
COMM 105	Research & Communication	3
COMP 102	Writing About Literature	3
MATH 103	College Algebra w/ Trig	3
MATH 141	Statistics	3
PSYC 101	Introduction to Psychology	3
GNED 100	First Year Experience	2
SUNY General Education Electives as Advised		10
SUNY General Education Diversity, Equity, Inclusion and Social Justice as Advised		3
<b>Total Credits</b>		<b>60-62</b>

## Suggested Course Sequence

Course	Title	Credits
<b>Year 1</b>		
<b>Fall</b>		
BIOL 120	General Biology I	4
CHEM 121	General College Chemistry I	4
MATH 103	College Algebra w/ Trig (or higher in the algebra sequence after placement and consultation with the academic program)	3
COMM 105	Research & Communication	3
GNED 100	First Year Experience	2
<b>Credits</b>		<b>16</b>
<b>Spring</b>		
BIOL 121	General Biology II	4
CHEM 122	General College Chemistry II	4
MATH 141	Statistics	3
COMP 102	Writing About Literature	3
SUNY General Education Diversity, Equity, Inclusion and Social Justice as advised		3
<b>Credits</b>		<b>17</b>
<b>Year 2</b>		
<b>Fall</b>		
BIOL 150	Human Anatomy + Physiology I	4
PSYC 101	Introduction to Psychology	3
SUNY General Education as advised		3
Select one of the following science courses:		3-4
BIOL 135	Myology I	
BIOL 136	Myology II	
BIOL 285	General Microbiology	
BIOL 300	Biol Normal & Neoplastic Cells	
BIOL 301	Pathophysiology	
BIOL 405	Basic Immunology	
CHEM 241	Organic Chemistry I	
PHYS 107	Introductory Physics I	

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PHYS 127	General Physics I	
<b>Credits</b>		<b>13-14</b>
<b>Spring</b>		
BIOL 151	Human Anatomy + Physiology II	4
SUNY General Education courses as advised		7
Select one of the following science courses:		3-4
BIOL 137	Neurology	
BIOL 285	General Microbiology	
BIOL 300	Biol Normal & Neoplastic Cells	
BIOL 302	Epidemiology	
BIOL 405	Basic Immunology	
CHEM 242	Organic Chemistry II	
PHYS 108	Introductory Physics II	
PHYS 128	General Physics II	
<b>Credits</b>		<b>14-15</b>
<b>Total Credits</b>		<b>60-62</b>