

## Degree Pathway

### A.S. in Health Sciences – Catalog Year 2022-23

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 the calendar year, including fall and spring semesters and winter and summer sessions. This Degree Pathway is designed for students who place into **ENGL-101 and MA-119**. An additional pathway is available for students who must complete developmental math or English. Please see the degree website or your advisor for more information.

Students who follow the recommended schedule below will enroll in all required coursework for an application for the A.A.S. in Nursing. Students who plan to apply to the nursing program are **strongly recommended** to visit the [Nursing Admissions Website](#) for additional requirements, the application procedure, and deadlines.

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

#### Fall Semester #1

Courses	Credits	Prerequisites and Corequisites <sup>1</sup>
<b>ENGL-101 English Composition I</b> (Required Core 1A: English Composition)	3	Prerequisite: Complete developmental requirements in English
<b>MA-119 College Algebra or MA-336 Statistics<sup>2,3</sup></b> (Required Core 1B: Mathematical and Quantitative Reasoning)	3	Prerequisite: Complete developmental requirements in math
<b>MA-121 Elementary Trigonometry<sup>3</sup></b> (for students who will take physics)	0-1	Prerequisite: Complete developmental requirements in math
<b>BI-301 Anatomy and Physiology I<sup>2</sup></b> (Required Core 1C: Life & Physical Sciences)	4	Prerequisite: Complete developmental requirements in English
<b>BI-150 Organization and Delivery of Health Care</b>	2	None
PSYC-101 Psychology <sup>2</sup> (Flexible Core 2E)	3	Pre/corequisite: Complete developmental requirements in English or co-enroll in ENGL-101
<b>Total credits for semester</b>	<b>15-16</b>	

## Spring Semester #1

Courses	Credits	Prerequisites and Corequisites <sup>1</sup>
<b>ENGL-102 English Composition II</b> (Required Core 1A: English Composition)	3	Prerequisite: ENGL-101 or placement
<b>MA-336 Statistics</b> or Major Elective <sup>4</sup>	3	Prerequisite for MA-336: MA-119 (C or better)
<b>BI-302 Anatomy and Physiology II<sup>2</sup></b> (Additional Flexible Core Course)	4	Prerequisite: BI-301
Major Elective Course(s) <sup>4</sup>	4	Check individual courses for prerequisites and corequisites
<b>Total credits for semester</b>	<b>14</b>	

## Fall Semester #2

Courses	Credits	Prerequisites and Corequisites <sup>1</sup>
Major Elective Courses <sup>4</sup>	7	Check individual courses for prerequisites and corequisites
PHIL-140 Medical Ethics <sup>2</sup> (Flexible Core 2D)	3	Pre/corequisite: Complete developmental requirements in English or co-enroll in ENGL-101
One course from Flexible Core 2A, 2B, or 2C <sup>5</sup>	3	Check individual courses for prerequisites and corequisites
One course from Flexible Core 2A, 2B, or 2C <sup>5</sup>	3	Check individual courses for prerequisites and corequisites
<b>Total credits for semester</b>	<b>16</b>	

## Spring Semester #2

Courses	Credits	Prerequisites and Corequisites <sup>1</sup>
Major Elective Courses <sup>4</sup>	8-9	Check individual courses for prerequisites and corequisites
One course from Flexible Core 2A, 2B, or 2C <sup>5</sup>	3	Check individual courses for prerequisites and corequisites
Free Elective	3	Check individual courses for prerequisites and corequisites
<b>Total credits for semester</b>	<b>14-15</b>	
<b>Total credits required for A.S in Health Sciences</b>	<b>60</b>	

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. 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.
3. MA-121 is required for students who choose to take Physics as a major elective.
4. All Health Science Students must complete one of five possible concentrations. **Students should consult with an advisor or health science faculty member to choose major elective courses that will meet the requirements for one of the concentrations.** See the list of major elective courses for each 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

Concentrations – All Health Science students must complete one of the concentrations described below.

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

Courses	Credits	Prerequisites and Corequisites
<i>Complete at least 6 credits from the following courses:</i>		
BI-201 General Biology	4	Prerequisite: Complete developmental requirements in English
BI-202 General Biology II	4	Prerequisite: BI-201
BI-311 Microbiology	4	Prerequisite: BI-202 or BI-302
BI-403 Medical Terminology	2	None
BI-520 Introduction to Public Health	3	Prerequisite: Complete developmental requirements in English
BI-550 Field Internship in Health Sciences	2	Prerequisite: Departmental Permission
CH-127 Introductory General Chemistry or CH-151 General Chemistry I	4.5	Prerequisite: CH-127 – none 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	Prerequisite: CH-128 – CH-120, CH-127, or CH-151 CH-152 – CH-151
MA-121 Elementary Trigonometry	1	Corequisite: MA-119
PH-101 Principles of Physics or PH-301 College Physics I	4	Prerequisite: PH-101 – none PH-301 – MA-119 and MA-121 or MA-114
PH-302 College Physics II	4	Prerequisite: PH-301 (C or better)
<i>Complete at least 3 credits from the following courses:</i>		
BU-201 Business Organization and Management	3	Prerequisite: None
BU-917 Healthcare Information Management	3	Prerequisite: None
CS-100 Introduction to Computers and Programming	3	Prerequisite: None
HE-102 Health, Behavior and Society	2	Prerequisite: None
HE-103 Fundamentals of Human Nutrition	3	Prerequisite: None
IS-151 Health of the Nation	2	Prerequisite: None
<i>Complete at least 3 credits from the following courses:</i>		
PSYC 230 Abnormal Psychology	3	Prerequisite: PSYC-101
PSYC-220 Human Growth & Development	3	Prerequisite: PSYC-101
SOCY-101 Sociology	3	Pre/corequisite: Complete developmental requirements in English or co-enroll in ENGL-101
SP-211 Speech Communication	3	None

**Health Services Administration Concentration – Complete 20 credits from the following list as indicated below**

Courses	Credits	Prerequisites and Corequisites
BI-403 Medical Terminology	2	None
BI-520 Introduction to Public Health	3	Prerequisite: Complete developmental requirements in English
BI-550 Field Internship in Health Sciences	2	Prerequisite: Departmental Permission
BU-101 Principles of Accounting I	4	Prerequisite: None
BU-201 Business Organization and Management	3	Prerequisite: None
BU-301 Business Law I	3	Prerequisite: Complete developmental requirements in English
BU-917 Healthcare Information Management	3	Prerequisite: None
ECON-101 Introduction to Macroeconomics OR ECON-102 Microeconomics	3	Pre/corequisite: Complete developmental requirements in English or co-enroll in ENGL-101
SOCY-101 Sociology	3	Pre/corequisite: Complete developmental requirements in English or co-enroll in ENGL-101
SP-211 Speech Communication	3	None

**Occupational Therapy Concentration – Complete 20 credits from the following list as indicated below**

Courses	Credits	Prerequisites and Corequisites
<i>Complete at least 8 credits from the following courses:</i>		
BI-201 General Biology	4	Prerequisite: Complete developmental requirements in English
BI-202 General Biology II	4	Prerequisite: BI-201
BI-403 Medical Terminology	2	None
BI-550 Field Internship in Health Sciences	2	Prerequisite: Departmental Permission
BI-551 Field Internship in Health Sciences	2	Prerequisite: Departmental Permission
CH-127 Introductory General Chemistry or CH-151 General Chemistry I	4.5	Prerequisite: CH-127 – none CH-151 – MA-119 and MA-121 or placement in MA-440 or higher
MA-121 Elementary Trigonometry	1	Corequisite: MA-119
PH-101 Principles of Physics or PH-301 College Physics I	4	Prerequisite: PH-101 – none PH-301 – MA-119 and MA-121 or MA-114
<i>Complete at least 6 credits from the following courses:</i>		
PSYC 230 Abnormal Psychology	3	Prerequisite: PSYC-101
PSYC-220 Human Growth & Development	3	Prerequisite: PSYC-101
SOCY-101 Sociology	3	Pre/corequisite: Complete developmental requirements in English or co-enroll in ENGL-101

**Respiratory Care Concentration – Complete 20 credits from the following list as indicated below**

Courses	Credits	Prerequisites and Corequisites
BI-201 General Biology	4	Prerequisite: Complete developmental requirements in English
BI-202 General Biology II	4	Prerequisite: BI-201
BI-311 Microbiology	4	Prerequisite: BI-202 or BI-302
BI-550 Field Internship in Health Sciences	2	Prerequisite: Departmental Permission
BI-551 Field Internship in Health Sciences	2	Prerequisite: Departmental Permission
CH-127 Introductory General Chemistry or CH-151 General Chemistry I	4.5	Prerequisite: CH-127 – none CH-151 – MA-119 and MA-121 or placement in MA-440 or higher
CH-128 Introductory Organic Chemistry	4.5	Prerequisite: CH-120, CH-127, or CH-151
MA-121 Elementary Trigonometry	1	Corequisite: MA-119
PH-101 Principles of Physics or PH-301 College Physics I	4	Prerequisite: PH-101 – none PH-301 – MA-119 and MA-121 or MA-114
PSYC-220 Human Growth & Development	3	Prerequisite: PSYC-101

**Medical Imaging Concentration – Complete 20 credits from the following list as indicated below**

Courses	Credits	Prerequisites and Corequisites
BI-403 Medical Terminology	2	None
BI-520 Introduction to Public Health	3	Prerequisite: Complete developmental requirements in English
BI-550 Field Internship in Health Sciences	2	Prerequisite: Departmental Permission
CH-127 Introductory General Chemistry or CH-151 General Chemistry I	4.5	Prerequisite: CH-127 – none CH-151 – MA-119 and MA-121 or placement in MA-440 or higher
CH-128 Introductory Organic Chemistry	4.5	Prerequisite: CH-120, CH-127, or CH-151
IS-151 Health of the Nation	2	Prerequisite: None
MA-121 Elementary Trigonometry	1	Corequisite: MA-119
PH-101 Principles of Physics or PH-301 College Physics I	4	Prerequisite: PH-101 – none PH-301 – MA-119 and MA-121 or MA-114
PSYC-220 Human Growth & Development	3	Prerequisite: PSYC-101
SP-211 Speech Communication	3	None