

## Associate of Science – Health Sciences

Name: \_\_\_\_\_ ID#: \_\_\_\_\_ Date: \_\_\_\_\_

The Associate of Science degree with an emphasis in Health Sciences is designed for students who plan to pursue admission into the Associate Degree in Nursing (ADN), Virtual Associate Degree in Nursing (VADN), Medical Laboratory Technician (MLT), Occupational Therapy Assistant (OTA), Practical Nursing (PN), or Surgical Technology (ST) programs at MACC. The degree is also designed for students who intend to transfer to a four-year college or university to pursue a degree in fields such as Nursing, Dental Hygiene, Dietetics, Health Science, or Radiology.

Taken	Course	Semester	Hours
<b>First Semester</b>			
	BIO101	Biology	4
	LAL101	^Composition I	3
	MTH140** <u>or</u> higher	^College Algebra <u>or</u> higher	3
	PSY101	General Psychology	3
	HSC101	Introduction to Health Professions	1
			<b>14</b>
<b>Second Semester</b>			
	BIO205	Human Anatomy	4
	LAL102	^Composition II	3
	PHY120 <u>or</u> PHY121	^Foundations of Chemistry <u>or</u> ^General Chemistry I	4-5
	PSY205	^Human Lifespan Development	3
			<b>14-15</b>
<b>Third Semester</b>			
	BIO209	^Physiology	4
	BIO135	Human Nutrition	3
	HSC171	Medical Terminology	3
	HST105 <u>or</u> HST106 <u>or</u> PSC105	American History to 1865 <u>or</u> American History from 1865 <u>or</u> Introduction to American Government	3
	PHI152 <u>or</u> PHI153	Introduction to Ethics <u>or</u> Bioethics	3
			<b>16</b>
<b>Fourth Semester</b>			
	BIO206	^Microbiology	4
		Elective*	3
		Humanities	3
	SOC101	Sociology	3
	SPK101 <u>or</u> SPK120	Public Speaking <u>or</u> Interpersonal Communications	3
			<b>16</b>
Minimum Required Hours for Degree			<b>60</b>

\*Reference the following pages when selecting general education courses and elective courses that are required for admission to specific health science programs.

^Please refer to the college catalog and course descriptions for pre/co-requisite and placement information. You can only register for these courses if you have met the prerequisite, placed into the course and/or enroll in the co-requisite course(s).

Additional Graduation Requirement - Missouri law, included in Senate Bill 807, requires every college student pursuing an associate's or bachelor's degree at a public institution to pass the Missouri Higher Education Civics Achievement Examination with at least a 70 percent to graduate. The rule will apply to the incoming class of first-time college students in the fall of 2019 and all students thereafter.

### MACC Health Science Program Information

Associate Degree in Nursing (ADN) General Education Course Information	Virtual Accelerated Degree in Nursing (VADN) General Education Course Information
<p>**The program requires MTH140 or higher. If the math requirement is not met prior to entry, you must have a placement score or assessment measure that places you directly into MTH140 or higher, passed MTH042 with a "C" or higher, or have completed MTH095 or equivalent.</p> <p>Students seeking admission into the ADN program may complete the required general education coursework with a "C" or above prior to the date of entry into the program. These courses are not pre-requisites; however, it is beneficial to complete as many of the courses as possible while waiting for admission into the program.</p> <p><b>BIO205 Human Anatomy w/ Lab</b>  <b>BIO206 Microbiology w/ Lab</b>  <b>BIO209 Physiology w/ Lab</b>  <b>HST105 American History to 1865</b> <u>or</u>  <b>HST106 American History from 1865</b> <u>or</u>  <b>PSC105 Introduction to American Government</b>  <b>LAL101 Composition I</b>  <b>LAL102 Composition II</b>  <b>**MTH140 College Algebra or higher</b>  <b>PSY101 General Psychology</b>  <b>PSY205 Human Lifespan Development</b>  <b>SOC101 Sociology</b>  <b>SPK101 Public Speaking</b> <u>or</u>  <b>SPK120 Interpersonal Communications</b></p>	<p>Students seeking admission into the VADN program must complete the required general education coursework listed below with a "C" or above prior to the date of entry into the program.</p> <p><b><u>Required for Admission (23 credit hours):</u></b>  <b>BIO205 Human Anatomy w/ Lab</b>  <b>BIO209 Physiology w/ Lab</b>  <b>LAL101 Composition I</b>  <b>MTH140 College Algebra or higher</b>  <b>PSY101 General Psychology</b>  <b>PSY205 Human Lifespan Development</b>  <b>SOC101 Sociology</b></p> <p><b><u>Additional courses that may be taken prior to the start of the program:</u></b>  <b>BIO206 Microbiology</b>  <b>HST105 American History to 1865</b> <u>or</u>  <b>HST106 American History from 1865</b> <u>or</u>  <b>PSC105 Introduction to American Government</b>  <b>LAL102 Composition II</b>  <b>SPK101 Public Speaking</b> <u>or</u>  <b>SPK120 Interpersonal Communications</b></p>

Medical Laboratory Technician (MLT) General Education Course Information	Occupational Therapy Assistant (OTA) General Education Course Information
<p>Students seeking admission into the AAS-MLT program must complete the required general education coursework (minimum of 25 credit hours) listed on the map below with a "C" or above prior to the date of entry into the program.</p> <p><b><u>Required for Admission (25 credit hours):</u></b>  <b>BIO205 Human Anatomy w/ Lab</b>  <b>BIO209 Physiology w/ Lab</b>  <b>HST105 American History to 1865</b> <u>or</u>  <b>HST106 American History from 1865</b> <u>or</u>  <b>PSC105 Introduction to American Government</b>  <b>LAL101 Composition I</b>  <b>MTH140 College Algebra or higher</b>  <b>PHY120 Foundations of Chemistry</b> <u>or</u>  <b>PHY121 General Chemistry I</b>  <b>Directed Electives - A minimum of 3-4 credit hours chosen from any combination of AA elective courses.</b></p>	<p>Students seeking admission into the AAS-OTA program must complete the required general education coursework listed on the map below with a "C" or above prior to the date of entry into the program.</p> <p><b><u>Required for Admission (30-32 credit hours):</u></b>  <b>**BIO205 Human Anatomy w/ Lab</b>  <b>**BIO209 Physiology w/ Lab</b>  <b>HSC171 Medical Terminology</b>  <b>HST105 American History to 1865</b> <u>or</u>  <b>HST106 American History from 1865</b> <u>or</u>  <b>PSC105 Introduction to American Government</b>  <b>LAL101 Composition I</b>  <b>MTH140 College Algebra or higher</b>  <b>PSY101 General Psychology</b>  <b>PSY205 Human Lifespan Development</b>  <b>SPK101 Public Speaking</b> <u>or</u>  <b>SPK120 Interpersonal Communications</b>  <b>Directed Electives:</b>  <b>ITC101 Computer Essentials</b> <u>or</u>  <b>PHI152 Introduction to Ethics</b> <u>or</u>  <b>SKL101 College Orientation</b> <u>or</u>  <b>SOC101 Sociology</b></p> <p><b>**BIO205 Human Anatomy and BIO209 Physiology must be repeated if completed five years or more before the date of entry into the program.</b></p>

<b>Practical Nursing (PN)</b> <b>General Education Course Information</b>	<b>Surgical Technology (ST)</b> <b>General Education Course Information</b>
<p>Students seeking admission into the PN program must complete college-level Human Anatomy/Lab (BIO205) with a “C” or above and Fundamentals of Math (MTH010) or equivalent or higher with a minimum grade of “C” or have a placement score for MTH095 Transitional Algebra or higher. These requirements must be completed prior to the date of entry into the program.</p> <p><b>BIO205 Human Anatomy w/ Lab and MTH010 Fundamentals of Math or equivalent or higher or placement score for MTH095 Transitional Algebra or higher</b></p>	<p>Students seeking admission into the AAS-Surgical Technology program must complete the required general education coursework listed on the map below with a “C” or above prior to the date of entry into the program.</p> <p><b><u>Required for Admission (21 credit hours):</u></b>  <b>BIO205 Human Anatomy w/ Lab</b>  <b>BIO206 Microbiology w/ Lab</b>  <b>BIO209 Physiology w/ Lab</b>  <b>HSC171 Medical Terminology</b>  <b>LAL101 Composition I</b>  <b>MTH140 College Algebra or higher</b></p> <p><b><u>Additional course that may be taken prior to the start of the program:</u></b>  <b>HST105 American History to 1865 <u>or</u></b>  <b>HST106 American History from 1865 <u>or</u></b>  <b>PSC105 Introduction to American Government</b></p>