



# Academic & Career **PATHWAYS**

## Associate in Science (A.S.)

### Chemistry Emphasis – Advising Guide

The Associate in Science (A.S.) chemistry degree program prepares students to transfer to a four-year college or university to major in chemistry. Requirements vary at each four-year college or university, students should check with the school they plan to transfer to or an advisor to make sure they're taking the appropriate courses.

<b>Semester 1</b>		
Course	Credits	Action Items
^CHEM 111 (Program Requirement)	5	<ul style="list-style-type: none"> <li>Meet with academic advisor to build a degree plan in starfish</li> <li>Complete Civics exam with 70% or higher</li> </ul>
HIST 120, HIST 121, or POLS 136 (General Education Requirement/Civics)	3	
^ENGL 101 (General Education Requirement)	3	
^MATH 180 (General Education Requirement)	5	
<b>Total Credits</b>	<b>16</b>	
<b>Semester 2</b>		
^ENGL 102 (General Education Requirement)	3	<ul style="list-style-type: none"> <li>Research &amp; contact transfer institutions</li> </ul>
^COMM 100 (General Education Requirement)	3	
^CHEM 112 (Program Requirement)	5	
^MATH 190 (Program Requirement)	5	
<b>Total Credits</b>	<b>16</b>	
<b>Semester 3</b>		
^MATH 210 (Program Requirement)	5	<ul style="list-style-type: none"> <li>Apply for admission at transfer institution</li> <li>Apply for scholarships at transfer institution</li> </ul>
^CHEM 221 (Program Requirement)	5	
^PHYS 220 (Program Requirement)	5	
<b>Total Credits</b>	<b>15</b>	
<b>Semester 4</b>		
^PHYS 221 (Program Requirement)	5	<ul style="list-style-type: none"> <li>Apply for graduation</li> </ul>
^CHEM 222 (Program Requirement)	5	
Choose any transfer course (a MOTR course) 100 level or higher (General Education Requirement)	3 – 5*	
<b>Total Credits</b>	<b>13-15</b>	
<b>Credits Required</b>		<b>60*</b>
<p><i>*The A.S. degree requires a minimum of 60 credits to graduate. When selecting courses from multiple options, please consider the number of credits for the course in your planning.</i></p>		



**METROPOLITAN**  
COMMUNITY COLLEGE



**SCIENCE, TECHNOLOGY,  
ENGINEERING & MATH**

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This Pathway Map is an advising tool designed for full-time students on the A.S. degree and identifies the course taking recommendations for timely degree completion. Please be aware that all pathway maps can be modified to fit the individual needs of students. Course substitutions are completely acceptable and a list of all course options for the A.S. degree can be found <https://mcckc.edu/programs/as/>.

All students are encouraged to meet with their academic advisor to develop an individualized completion plan that best meets their goals, interests, and objectives.

^Course requires a prerequisite or appropriate placement, see catalog for additional information.