

**FIRST SEMESTER BLUEPRINT**  
**DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY**

When planning your first semester...

- Students should register for a minimum of 14 credits and no more than 16.
- All First-Year students are required to take First Year Seminar their first term. This is a required course, and each section focuses on a different topic for students to explore.
- Science labs meet approximately three hours once a week. As you arrange your class schedule, consider the meeting times of labs first, then design the rest of your schedule around them.
- Students who have earned AP, CLEP, or IB credit should refer to the information provided here: [AP, CLEP, IB Credit](#).
- You can view the most up-to-date version of the schedule of classes by accessing [The View](#).

The Chemistry and Biochemistry department will host two pre-registration advising sessions via Zoom in the days leading up to new student registration. Sessions will be held from 5-6 pm (EDT) on June 4 at <https://messiah.zoom.us/j/96990717784> and from 7-8 pm (EDT) on June 5 at <https://messiah.zoom.us/j/95643535424>. You are encouraged to log into these sessions to discuss any questions you might have about the registration process, and the choice of your courses for your first semester at Messiah University.

The First Semester Blueprint is your guide to course registration in your first semester. Click on your major to view the recommended courses (developed by your faculty) for your first semester at Messiah.

[Biochemistry \(B.A.\), \(B.S.\), and \(B.S.\) ACS certified](#)  
[Chemistry \(B.A.\), \(B.S.\), and \(B.S.\) ACS certified](#)  
[Chemistry with Secondary Teaching Certification \(B.A.\)](#)

**Biochemistry (B.A.), (B.S.) and (B.S.) ACS certified**

Students <b>MUST</b> register for the following courses:		<u>Credits</u>
IDFY 101	First Year Seminar	3
BIOL 170	Cellular Foundations of Life <b>AND</b>	4
BIOL 170L	Lab: Cellular Foundations of Life	0
CHEM 105*	General Chemistry I <b>AND</b>	4
CHEM 105L*	Lab: General Chemistry I	0
<b>*Please review the <a href="#">Guidelines for Chemistry Courses</a></b>		
Students should <b>CONSIDER</b> registering for the following combination:		
MATH 111	Calculus I <b>AND</b>	4
MATH 111L	Lab: Calculus I <b>AND</b>	0
MATH 103	Supplemental Calculus I	1
<a href="#">Please review the Guidelines for Calculus Courses</a>		

<b>Select</b> from the following <b>General Education</b> options to complete your schedule:	<u>Credits</u>
COMM 105 (24GE: Oral Communication)	3
ENGL 110 (24GE: Written Communication)	3
History** (24GE: History)	3
<a href="#">Language Course</a> (24GE: Language, CHIN, FREN, GERM, SPAN)	3
PHIL 101 (24GE: Philosophy/Religion)	3

<b>Recommended total credits your first semester:</b>	<b>14-16 credits</b>
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\*\*Search [The View](#) by attribute type(s) noted above

Specific major-related questions may be directed to Dr. Roseann K. Sachs, Department Chair of Chemistry and Biochemistry, [rsachs@messiah.edu](mailto:rsachs@messiah.edu), or 717-796-1800 ext. 2043.

**Chemistry (non-teaching)**

Students <b>MUST</b> register for the following courses:		<u>Credits</u>
IDFY 101	First Year Seminar	3
CHEM 105*	General Chemistry I	4
CHEM 105L*	Lab: General Chemistry I	0
<b>*Please review the <a href="#">Guidelines for Chemistry Courses</a></b>		
Students <b>SHOULD</b> register for the following combination:		
MATH 111	Calculus I <b>AND</b>	4
MATH 111L	Lab: Calculus I <b>AND</b>	0
MATH 103	Supplemental Calculus I	1
<a href="#">Please review the Guidelines for Calculus Courses</a>		

<b>Select</b> from the following <b>General Education</b> options to complete your schedule:	<u>Credits</u>
COMM 105 (24GE: Oral Communication)	3
ENGL 110 (24GE: Written Communication)	3
History** (24GE: History)	3
<a href="#">Language Course</a> (24GE: Language: CHIN, FREN, GERM, SPAN)	3
PHIL 101 (24GE: Philosophy/Religion)	3

<b>Recommended total credits your first semester:</b>	<b>14-16 credits</b>
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**Chemistry with Secondary Teaching Certification (B.A.)**

Students <b>MUST</b> register for the following courses:		<u>Credits</u>
IDFY 101	First Year Seminar	3
CHEM 105*	General Chemistry I	4
CHEM 105L*	Lab: General Chemistry I	0
<b>*Please review the <a href="#">Guidelines for Chemistry Courses</a></b>		
<b>AND</b> the following combination:		
MATH 111	Calculus I <b>AND</b>	4
MATH 111L	Lab: Calculus I <b>AND</b>	0
MATH 103	Supplemental Calculus I	1
<b><a href="#">Please review the Guidelines for Calculus Courses</a></b>		

<b>Select</b> from the following <b>General Education</b> options to complete your schedule:	<u>Credits</u>
COMM 105 (24GE: Oral Communication)	3
ENGL 110 (24GE: Written Communication)	3
History** (24GE: History)	3
<a href="#">Language Course</a> (24GE: Language: CHIN, FREN, GERM, SPAN)	3
PHIL 101 (24GE: Philosophy/Religion)	3

<b>Recommended total credits your first semester:</b>	<b>15-16 credits</b>
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