

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 writing course, and each section focuses on a different topic for students to explore.
- **QuEST** (Qualities Essential for Student Transformation) courses are Messiah University's general education program completed by all students. Specific recommendations for your first semester are included on the blueprint.
- 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 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 MUST register for the following courses:		<u>Credits</u>
IDFY 101	First Year Seminar	3
BIOL 170	Cell and Animal Physiology AND	4
BIOL 170L	Lab: Cell and Animal Physiology	0
CHEM 105*	General Chemistry I AND	4
CHEM 105L*	Lab: General Chemistry I	0
*Please review the Guidelines for Chemistry Courses		
Students should CONSIDER registering for the following combination:		
MATH 111 ¹	Calculus I AND	4
MATH 111L	Lab: Calculus I AND	0
MATH 103	Supplemental Calculus I	1
Please review the Guidelines for Calculus Courses		

Select from the following QuEST options to complete your schedule:	<u>Credits</u>
COMM 105 (Fundamentals of Oral Communication)	3
European History or U.S. History** (QuEST/GenEd: Euro History or U.S. History)	3
Language Course (CHIN, FREN, GERM, SPAN)	3
PHIL 101 (Problems in Philosophy)	3

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

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

¹ MATH 111/111L is intended to be an in-person course for residential and commuter students. Students are advised **NOT** to register for the online asynchronous section of MATH 111/111L (CRNs 1615/1619). These sections are intended for dual-enroll students who are not residential.

Chemistry (non-teaching)

Students MUST 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
*Please review the Guidelines for Chemistry Courses		
Students SHOULD register for the following combination:		
MATH 111 ²	Calculus I AND	4
MATH 111L	Lab: Calculus I AND	0
MATH 103	Supplemental Calculus I	1
Please review the Guidelines for Calculus Courses		

Select from the following QuEST options to complete your schedule:	<u>Credits</u>
COMM 105 (Fundamentals of Oral Communication)	3
European History or U.S. History** (QuEST/GenEd: Euro History or U.S. History)	3
Language Course (CHIN, FREN, GERM, SPAN)	3
PHIL 101 (Problems in Philosophy)	3

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

Students MUST 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
*Please review the Guidelines for Chemistry Courses		
AND the following combination:		
MATH 111 ³	Calculus I AND	4
MATH 111L	Lab: Calculus I AND	0
MATH 103	Supplemental Calculus I	1
Please review the Guidelines for Calculus Courses		

Select from the following QuEST options to complete your schedule:	<u>Credits</u>
COMM 105 (Fundamentals of Oral Communication)	3
European History or U.S. History** (QuEST/GenEd: Euro History or U.S. History)	3
Language Course (CHIN, FREN, GERM, SPAN)	3
PHIL 101 (Problems in Philosophy)	3

Recommended total credits your first semester:	15-16 credits
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