

**FIRST SEMESTER BLUEPRINT
DEPARTMENT OF BIOLOGICAL SCIENCES**

When planning your first semester...

- Students should register for a minimum of 12 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.
- BIOL 170 is only taught in the fall. You will delay completing some of your major courses for a year if you do not complete this course in the fall.
 - **Note: AP Biology does not meet your required Biology course.**
- 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 Biological Sciences department will host two pre-registration advising sessions via Zoom on June 9 at 10:00 a.m. and 4:00 p.m. (EDT). The sessions will be available so that students/families with questions they wish to discuss with Dr. Lindquist prior to course registration on June 10 may do so.

<https://messiah.zoom.us/j/98242229722>

Meeting ID: 982 4222 9722

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.

[Biology \(B.S.\) Biomedical Concentration](#)

[Biology \(B.S.\) Organismal and General Concentrations](#)

[Biology with Teaching Certification \(B.S.\)](#)

[Biopsychology \(B.S.\)](#)

[Environmental Science \(B.S.\)](#)

[Molecular Biology \(B.S.\)](#)

[Sustainability Studies Community Development Concentration \(B.A.\)](#)

[Sustainability Studies Conservation and Agriculture Concentration \(B.A.\)](#)

Biology majors – Biomedical (BMED) (non-teaching)

Students MUST register for the following courses:		<u>Credits</u>
IDFY 101	First Year Seminar	3
BIOL 170	Cellular Foundations of Life AND	4
BIOL 170L	Lab: Cellular Foundations of Life	0
Select Pathway: Mathematics First or Chemistry First		
CHEM 105*	EITHER General Chemistry I AND	4
CHEM 105L*	Lab: General Chemistry I	0
MATH 108*	OR Intuitive Calculus with Applications	3
*Please review the Biological Sciences Guidance on Mathematics-First and Chemistry-First Pathways		
In some cases, MATH 102 is a recommended preparatory course in the first semester for later success in CHEM 105 and MATH 108.		

Select from the following General Education options to complete your schedule:	<u>Credits</u>
COMM 105 (24GE: Oral Communication)	3
PSYC 101 ** (24GE: Social Science Ways of Knowing)	3
Language Course (24GE: Language, CHIN, FREN, GERM, SPAN)	3
WELL 1xx ** (24GE: Holistic Wellness)	1
History** (24GE: History)	3

Recommended total credits your first semester:	12-15 credits
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**Search [The View](#) by attribute type(s) noted above

Specific major-related questions may be directed to Dr. Erik Lindquist or Dr. John Harms, deptbiology@messiah.edu.

Biology majors – Organismal and General Concentration (ORGA & GENR) (non-teaching)

Students MUST register for the following courses:		<u>Credits</u>
IDFY 101	First Year Seminar	3
BIOL 170	Cellular Foundations of Life AND	4
BIOL 170L	Lab: Cellular Foundations of Life	0
MATH 108*	Intuitive Calculus with Applications	3
*Please review the Biological Sciences Guidance on Mathematics-First and Chemistry-First Pathways		

Select from the following General Education options to complete your schedule:	<u>Credits</u>
COMM 105 (24GE: Oral Communication)	3
PSYC 101** (24GE: Social Science Ways of Knowing)	3
Language Course (24GE: Language, CHIN, FREN, GERM, SPAN)	3
WELL 1xx ** (24GE: Holistic Wellness)	1

Recommended total credits your first semester:	14 credits
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Biology with Teaching Certification (B.S.)

Students MUST register for the following courses:		<u>Credits</u>
IDFY 101	First Year Seminar	3
BIOL 170	Cellular Foundations of Life AND	4
BIOL 170L	Lab: Cellular Foundations of Life	0
Select Pathway: Mathematics First or Chemistry First		
CHEM 105*	EITHER General Chemistry I AND	4
CHEM 105L*	Lab: General Chemistry I	0
MATH 108	OR Intuitive Calculus with Applications	3
*Please review the Biological Sciences Guidance on Mathematics-First and Chemistry-First Pathways		

Select from the following General Education options to complete your schedule:	<u>Credits</u>
COMM 105 (24GE: Oral Communication)	3
Language Course (24GE: Language, CHIN, FREN, GERM, SPAN)	3
WELL 1xx **(24GE: Holistic Wellness)	1
History** (24GE: History)	3
Recommended total credits your first semester:	12-15 credits

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Biopsychology (B.S.)

Students MUST register for the following courses:		<u>Credits</u>
IDFY 101	First Year Seminar	3
Select Pathway: Mathematics-First or Chemistry-First		
CHEM 105*	EITHER General Chemistry I AND	4
CHEM 105L*	Lab: General Chemistry I	0
MATH or STAT	OR Mathematical Science*	3
*Please review the Biological Sciences Guidance on Mathematics-First and Chemistry-First Pathways . In some cases, MATH 102 is recommended as a preparatory course in the first semester for later success in CHEM 105.		
ONE of the following combinations:		
Bioscience Track (Biological Sciences Department Advising)		
BIOL 170+	Cellular Foundations of Life AND	4
BIOL 170L+	Lab: Cellular Foundations of Life	0
OR		
Allied-Health Track (Psychology, Criminal Justice & Sociology Department Advising)		
BIOL 185	Human Anatomy and Physiology I AND	4
BIOL 185L	Lab: Human Anatomy and Physiology I	0
*If you are considering a medically related profession, you should register for BIOL 170/170L.		
Students SHOULD register for the following course:		
PSYC 101	Introduction to Psychology	3

Select from the following General Education options to complete your schedule:	<u>Credits</u>
COMM 105 (24GE: Oral Communication)	3
History** (24GE: History)	3
Language Course (24GE: Language; CHIN, FREN, GERM, SPAN)	3
WELL 1xx** (24GE: Holistic Wellness)	1

Recommended total credits your first semester:	12-15 credits
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Environmental Science (B.S.)

Students MUST register for the following courses:		<u>Credits</u>
IDFY 101	First Year Seminar	3
BIOL 170	Cellular Foundations of Life AND	4
BIOL 170L	Lab: Cellular Foundations of Life	0
STAT 269*	Introductory Statistics	3
*Please review the Biological Sciences Guidance on Mathematics-First and Chemistry-First Pathways . In some cases, MATH 102 is recommended as a preparatory course for CHEM 105 in a later semester.		

Select from the following General Education options to complete your schedule:	<u>Credits</u>
COMM 105 (24GE: Oral Communication)	3
History** (24GE: History)	3
Language Course (24GE: Language, CHIN, FREN, GERM, SPAN)	3
WELL 1xx ** (24GE: Holistic Wellness)	1

Recommended total credits your first semester:	12-15 credits
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Molecular Biology (B.S.)

Students MUST register for the following courses:		<u>Credits</u>
IDFY 101	First Year Seminar	3
BIOL 170	Cellular Foundations of Life AND	4
BIOL 170L	Lab: Cellular Foundations of Life	0
Select Pathway: Mathematics-First or Chemistry-First		
CHEM 105*	EITHER General Chemistry I AND	4
CHEM 105L*	Lab: General Chemistry I	0
MATH 108	OR Intuitive Calculus with Applications	3
*Please review the Biological Sciences Guidance on Mathematics-First and Chemistry-First Pathways . In some cases, MATH 102 is a recommended preparatory course in the first semester for later success in CHEM 105 and MATH 108.		

Select from the following General Education options to complete your schedule:	<u>Credits</u>
COMM 105 (24GE: Oral Communication)	3
History** (24GE: History)	3
Language Course (24GE: Language, CHIN, FREN, GERM, SPAN)	3
Social Science** (24GE: Social Science Ways of Knowing)	3
*If you are pre-med, you should register for PSYC 101 in this category.	
WELL 1xx** (24GE: Holistic Wellness)	1

Recommended total credits your first semester:	12-15 credits
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Sustainability Studies Community Development Concentration (B.A.)**Sustainability Studies Conservation and Agriculture Concentration (B.A.)**

Students MUST register for the following courses:		<u>Credits</u>
IDFY 101	First Year Seminar	3
SUST 140	Intro. to Ecology and Sustainability AND	3
SUST 140L	Lab: Ecology and Sustainability	0
Students SHOULD register for the following course:		
Language Course	(CHIN, FREN, GERM, SPAN)	3

Select from the following General Education options to complete your schedule:	<u>Credits</u>
COMM 105** (24GE: Oral Communication)	3
History** (24GE: History)	3
PHIL 101 or RELI 229** (24GE: Philosophy/Religion)	3

Recommended total credits your first semester:	12-15 credits
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