

FIRST SEMESTER BLUEPRINT
DEPARTMENT OF COMPUTING, MATHEMATICS AND PHYSICS

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.
- Students who have earned AP, 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](#).
- For further assistance, contact Dr. Angela Hare, Interim Department Chair, Computing, Mathematics, Physics, ahare@messiah.edu.

The Department of Computing, Math and Physics will host two pre-registration advising sessions via Zoom in the days leading up to new student registration. Students/families who have questions regarding the material provided in this document should plan to call in for one of these sessions. Sessions will be held from 6:30-7:30 pm (EDT) on Thursday, June 5, and Monday, June 9.

<https://messiah.zoom.us/j/97293965619>

Meeting ID: 972 9396 5619

Passcode: 371766

If you have questions and those times don't work for you, please contact interim department chair Angela Hare at ahare@messiah.edu.

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.

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

[Computer Science](#)

[Computer Science with Secondary Teaching Certification \(B.A.\)](#)

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

[Data Science](#)

[Digital Media with Mobile Application and Game Design concentration \(B.A.\)](#)

[Mathematics \(B.A.\)](#)

[Mathematics with Secondary Teaching Certification \(B.A.\)](#)

[Physics \(B.A.\) and \(B.S.\)](#)

[Physics with Secondary Teaching Certification \(B.A.\)](#)

[Software Development](#)

Actuarial Science (B.S.)

Students MUST register for the following courses:		<u>Credits</u>
IDFY 101	First Year Seminar	3
MATH 103*	Supplemental Calculus I AND	1
MATH 111/111L*	Calculus I AND Lab: Calculus I	4
MATH 196	Mathematics Seminar	2
Please review the Guidelines for Calculus Courses		
<i>*Please register for MATH 103/111/111L even if you are confident you will receive AP credit for these courses. AP scores arrive in early July. If you receive AP credit for MATH 111, you may adjust your schedule and enroll in MATH 112/112L. Information about AP credit is available here.</i>		
Students SHOULD register for the following courses:		
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
ENGL 110 (24GE: Written Communication)	3
WELL 1xx** (24GE: Holistic Wellness)	1

Recommended total credits your first semester:	12-16 credits
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**Search [The View](#) by attribute type(s) noted above

Specific major-related questions may be directed to Dr. Angela Hare at ahare@messiah.edu.

Computer Science (B.S.)**Computer and Information Science with Secondary Teaching Certification (B.A.)**

Students MUST register for the following courses:		<u>Credits</u>
IDFY 101	First Year Seminar	3
CIS 181*	Computer Programming I	3
MATH 180	Discrete Mathematics	3
<i>*If you receive AP credit for CIS 181, you may adjust your schedule and enroll in CIS 284. Information about AP credit is available here.</i>		
Students SHOULD register for the following:		
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
ENGL 110 (24GE: Written Communication)	3
WELL 1xx** (24GE: Holistic Wellness)	1

Recommended total credits your first semester:	12-16 credits
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Cybersecurity (B.S.)

Students MUST register for the following courses:		<u>Credits</u>
IDFY 101	First Year Seminar	3
CIS 160	Intro. to CS and Cybersecurity	3
CIS 181*	Computer Programming I	3
<i>*If you receive AP credit for CIS 181, you may adjust your schedule and enroll in CIS 284. Information about AP credit is available here.</i>		
Students SHOULD register for the following:		
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
ENGL 110 (24GE: Written Communication)	3
WELL 1xx** (24GE: Holistic Wellness)	1

Recommended total credits your first semester:	12-16 credits
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Data Science (B.S.)

Students MUST register for the following courses:		<u>Credits</u>
IDFY 101	First Year Seminar	3
CIS 181	Computer Programming I	3
MATH 103*	Supplemental Calculus I AND	1
MATH 111/111L*	Calculus I AND Lab: Calculus I	4
Please review the Guidelines for Calculus Courses		
<i>*Please register for MATH 103/111/111L even if you are confident you will receive AP credit for these courses. AP scores arrive in early July. If you receive AP credit for MATH 111, you may adjust your schedule and enroll in MATH 112/112L. Information about AP credit is available here.</i>		
Students SHOULD register for the following courses:		
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
ENGL 110 (24GE: Written Communication)	3
WELL 1xx** (24GE: Holistic Wellness)	1

Recommended total credits your first semester:	12-16 credits
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Specific major-related questions may be directed to Dr. Sam Wilcock at swilcock@messiah.edu.

Digital Media with Mobile Application and Game Design Concentration (B.A.)

Students MUST register for the following courses:		<u>Credits</u>
IDFY 101	First Year Seminar	3
CIS 181***	Computer Programming I	3
**If you receive AP credit for CIS 181, you may adjust your schedule and enroll in CIS 284.		
Information about AP credit is available here.		
Students may CONSIDER registering for one of the following courses:		
CIS 160	Intro. to CS and Cybersecurity	3
COMM 203	Basic Video and Editing Techniques	3
Students SHOULD register for the following courses:		
Language Course (CHIN, FREN, GERM, SPAN)		3
COMM 105 Fundamentals of Oral Communication		3

Select from the following General Education options to complete your schedule:	<u>Credits</u>
ENGL 110 (24GE: Written Communication)	3
WELL 1xx** (24GE: Holistic Wellness)	1

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Mathematics (B.A.)**Mathematics with Secondary Teaching Certification (B.A.)**

Students MUST register for the following courses:		<u>Credits</u>
IDFY 101	First Year Seminar	3
MATH 103*	Supplemental Calculus I AND	1
MATH 111/111L*	Calculus I AND Lab: Calculus I	4
MATH 196	Mathematics Seminar	2
+ Please review the Guidelines for Calculus Courses		
*Please register for MATH 103/111/111L even if you are confident that you will receive AP credit for these courses. AP scores arrive in early July. If you receive AP credit for MATH 111, you may adjust your schedule and enroll in MATH 112/112L instead. Information about AP credit is available here.		
Students SHOULD register for the following courses:		
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
ENGL 110 (24GE: Written Communication)	3
WELL 1xx** (24GE: Holistic Wellness)	1

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Physics (B.A.), (B.S.)**Physics with Secondary Teaching Certification (B.A.)**

Students MUST register for the following courses:		<u>Credits</u>
IDFY 101	First Year Seminar	3
MATH 103**	Supplemental Calculus I AND	1
MATH 111/111L**	Calculus I AND Lab: Calculus I	4
+ Please review the Guidelines for Calculus Courses		
*Please register for MATH 103/111/111L even if you are confident that you will receive AP credit for these courses. AP scores arrive in early July. If you receive AP credit for MATH 111, you may adjust your schedule and enroll in MATH 112/112L instead. Information about AP credit is available here.		
Students SHOULD register for:		
CHEM 105 ⁺	General Chemistry I AND	4
CHEM 105L ⁺	Lab: General Chemistry I	0
+ Please review the Guidelines for Chemistry Courses		
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
ENGL 110 (24GE: Written Communication)	3
WELL 1xx** (24GE: Holistic Wellness)	1

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Specific major-related questions may be directed to Dr. Abaz Kryemadhi at akryemadhi@messiah.edu.

Software Development (B.S.)

Students MUST register for the following courses:		<u>Credits</u>
IDFY 101	First Year Seminar	3
CIS 181*	Computer Programming I	3
MATH 180	Discrete Mathematics	3
<i>*If you receive AP credit for CIS 181, you may adjust your schedule and enroll in CIS 284. Information about AP credit is available here.</i>		
Students SHOULD register for:		
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
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