

MATHEMATICS

Bachelor of Science

Curriculum Guide

▪ FIRST YEAR

First Semester

ENGL	111	College Writing I	3
MATH	121	Precalculus	5
RELT	141	Christian Beliefs	3
CPTR	226	Computer Science I	4
			<u>15</u>

Total

Second Semester

ENGL	112	College Writing II	3
MATH	184	Calculus I	4
HIST*	157	West and the World	3
CPTR	227	Computer Science II	4
RELB		Religion Elective	3
			<u>17</u>

Total

▪ SECOND YEAR

First Semester

MATH	052	Calculus II	4
CPTR	220	Microcomputer Applications	3
PHYS*	251	College Physics	4.5
MATH	340	Discrete Mathematics	3
REL		Religion Elective	3
			<u>17.5</u>

Total

Second Semester

MATH	286	Calculus III	4
COMM	105	Public Speaking	2
HHPA	155	Concepts of Wellness	2
PHYS*	252	College Physics II	4.5
MATH	352	Linear Algebra	3
			<u>15.5</u>

Total

▪ THIRD YEAR

First Semester

MATH [^]	385	Differential Equations	3
MATH	3++	or 300-400 level Math Elective	
MATH [^]	491	Advanced Calculus	3
PSYC*	105	Introduction to Psychology (recommend)	3
HHPA		Activity Elective	1
		Electives	6
			<u>16</u>

Total

Second Semester

MATH [^]	351	Abstract Algebra	3
RELT*	305	Christian Ethics	3
BIOL	377	Origins (recommended)	3
		Electives	6
			<u>15</u>

Total

▪ FOURTH YEAR

First Semester

ENGL*	235	Approaches to Lit: British and American	3
MATH [^]	486	Numerical Analysis	3
MATH	3++	or 300-400 Level Math Elective	
MATH [^]	492	Complex Variables	3
HHMT*	305	Arts and Ideas	2
HHPA		Activity Elective	1
		Elective	4
			<u>16</u>

Total

Second Semester

MATH	331	Statistics and Probability	3
PHIL**	335	Introduction to Philosophy	2
		Social Science Elective	3
		Electives	5
			<u>16</u>

Total

128 hours are required for graduation. 40 hours must be upper division (300 level or above).

* Other courses may also meet this requirement. See the Union College Bulletin 2010.

[^] Alternate year course.

This sample guide is intended only to show you how a program might be arranged. Course schedules may change and it is possible that your courses will not be taken exactly in the order shown. Your academic advisor will help you design a program around your educational needs and goals.