Bachelor of Science (B.S.) Degree with Major in Mathematics

Sample Four-Year Plan Starting in Odd Year

First Year Fall (Odd Year)
BBL 1013 Old Testament Survey
COR 1002 Gateway Seminar
EGL 1013 English I: Composition
MTH 1163 Calculus I (Mathematics Elective)
___3 Elective
Total Hours 14

First Year Spring (Even Year)
BBL 1023 New Testament Survey
EGL 1023 English II: Literary Analysis/Research
MTH 1173 Calculus II
___3 Elective
___3 Elective
Total Hours 15

Second Year Fall (Even Year)
HST 2013 Integrated Humanities I
MTH 2111 Problem-Solving Seminar
MTH 2113 Calculus III
MTH 3103 Foundations of Mathematics
___2 Whole Person Wellness Elective
___3 Elective
Total Hours 15

Second Year Spring (Odd Year)
HST 2023 Integrated Humanities II
MTH 2123 Vector Calculus
___3 Elective
___3 Elective
___3 Elective
Total Hours 15

Third Year Fall (Odd Year)
MTH 4123 Abstract Algebra†
PHY 2213 General Physics I (Nat. Sci. Elective)
PHY 2211 General Physics I Lab
MTH 3113 Selected Topics
MTH 3183 Probability & Statistics (or MTH 3173)
___3 Social/Behavioral Sci. (SBS) Elective
Total Hours 16

Third Year Spring (Even Year)
BBL 2013 Essentials of Evangelical Theology
MTH 3133 Linear Alg. & Differential Eq.
MTH 3153 Foundations of Geometry†
PHY 2313 General Physics II (Nat. Sci. Elective)
PHY 2311 General Physics II Lab
___3 Arts & Humanities (AH) Elective
Total Hours 16

Fourth Year Fall (Even Year)
BBL 2022 Essentials of Christian Formation
EN 1173 Intro. to Programming for Engineers
___3 SBS or AH Elective (see above)
___3 Elective
___3 Elective
Total Hours 14

Fourth Year Spring (Odd Year)
GSC 4133 Faith and Science
MTH 4143 Real Analysis†
___3 Intercultural Engagement Elective
___3 Elective
___3 Elective
Total Hours 15

Total Hours for Four Years: 120

† Note: The order of alternate year courses will differ depending on whether a student begins his/her studies at JBU in an odd or even year.

Mathematics Electives

MTH 3101 Mathematics Teaching Practicum (Upon request)
MTH 3113 Selected Topics (Fall, odd)
MTH 3143 Topics in Mathematics Education (Fall, even)
MTH 3153 Foundations of Geometry (Spring, odd)

MTH 3173 Math. Modeling & Simulation (Upon request)
MTH 4220-3 Mathematics Research (Every)
MTH 4310 Mathematics Internship (Every)

Bachelor of Science (B.S.) Degree with Major in Mathematics

Sample Four-Year Plan Starting in Even Year

First Year Fall (Even Year)
BBL	1013	Old Testament Survey
COR	1002	Gateway Seminar
EGL	1013	English I: Composition
MTH	1163	Calculus I (Mathematics Elective)
	___3	Elective

Total Hours 14

First Year Spring (Odd Year)
BBL	1023	New Testament Survey
EGL	1023	English II: Literary Analysis/Research
MTH	1173	Calculus II
	___3	Elective
	___3	Elective

Total Hours 15

Second Year Fall (Odd Year)
EN	1173	Intro. to Programming for Engineers
HST	2013	Integrated Humanities I
MTH	2113	Calculus III
	___3	Social/Behavioral Sci. (SBS) Elective
	___3	Elective

Total Hours 15

Second Year Spring (Even Year)
HST	2023	Integrated Humanities II
MTH	2123	Vector Calculus
MTH	3153	Foundations of Geometry†
	___3	Elective
	___3	Elective

Total Hours 15

Third Year Fall (Even Year)
MTH	2111	Problem-Solving Seminar
MTH	3103	Foundations of Mathematics
MTH	3183	Probability & Statistics (or MTH 3173)
PHY	2213	General Physics I (Nat. Sci. Elective)
PHY	2211	General Physics I Lab
	___2	Whole Person Wellness Elective
	___3	Arts & Humanities (AH) Elective

Total Hours 16

Third Year Spring (Odd Year)
BBL	2013	Essentials of Evangelical Theology
MTH	3133	Linear Alg. & Differential Eq.
PHY	2313	General Physics II (Nat. Sci. Elective)
PHY	2311	General Physics II Lab
MTH	4143	Real Analysis†
	___3	Elective

Total Hours 16

Fourth Year Fall (Odd Year)
BBL	2022	Essentials of Christian Formation
MTH	4123	Abstract Algebra†
MTH	3113	Selected Topics
	___3	SBS or AH Elective (see above)
	___3	Elective

Total Hours 14

Fourth Year Spring (Even Year)
GSC	4133	Faith and Science
	___3	Intercultural Engagement Elective
	___3	Elective
	___3	Elective
	___3	Elective

Total Hours 15

Total Hours for Four Years: 120

† Note: The order of alternate year courses will differ depending on whether a student begins his/her studies at JBU in an odd or even year.

Mathematics Electives

MTH 3101	Mathematics Teaching Practicum (Upon request)	MTH 3173	Math. Modeling & Simulation (Upon request)
MTH 3113	Selected Topics (Fall, odd)	MTH 4220-3	Mathematics Research (Every)
MTH 3143	Topics in Mathematics Education (Fall, even)	MTH 4310	Mathematics Internship (Every)
MTH 3153	Foundations of Geometry (Spring, odd)		