

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	1134	Calculus I
	___3	Elective
Total Hours 15		

First Year Spring (Even Year)

BBL	1023	New Testament Survey
EGL	1023	English II: Literary Analysis/Research
MTH	1144	Calculus II
	___2	Whole Person Wellness Elective
	___3	Elective
Total Hours 15		

Second Year Fall (Even Year)

CS	1113	Introduction to Computing
HST	2013	Integrated Humanities I
MTH	2114	Linear Algebra & Differential Eq.
MTH	3103	Foundations of Mathematics
	___3	Social/Behavioral Sci. (SBS) Elective
Total Hours 16		

Second Year Spring (Odd Year)

HST	2023	Integrated Humanities II
MTH	2123	Vector Calculus
MTH	___3	Mathematics Elective
	___3	Elective
	___3	Elective
Total Hours 15		

Third Year Fall (Odd Year)

MTH	2111	Problem-Solving Seminar
MTH	4143	Real Analysis [†]
PHY	2114	General Physics I
	___3	Arts & Humanities (AH) Elective
	___3	Elective
Total Hours 14		

Third Year Spring (Even Year)

BBL	2013	Essentials of Evangelical Theology
MTH	3183	Probability & Statistics (or MTH 3173)
MTH	4123	Abstract Algebra [†]
PHY	2124	General Physics II
	___3	Elective
Total Hours 16		

Fourth Year Fall (Even Year)

BBL	2022	Essentials of Christian Formation
MTH	___3	Mathematics Elective
	___3	SBS or AH Elective (see above)
	___4	Elective
	___3	Elective
Total Hours 15		

Fourth Year Spring (Odd Year)

GSC	4133	Faith and Science
MTH	4501	Mathematics Capstone
	___3	Intercultural Engagement Elective
	___4	Elective
	___3	Elective
Total Hours 14		

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 (Upon request)	MTH 4113	Selected Topics (Upon request)
MTH 3143	Topics in Mathematics Education (Fall, even yrs.)	MTH 4220-3	Mathematics Research (Every)
MTH 3153	Foundations of Geometry (Spring, ODD)	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	1134	Calculus I
	___3	Elective
Total Hours 15		

First Year Spring (Odd Year)

BBL	1023	New Testament Survey
EGL	1023	English II: Literary Analysis/Research
MTH	1144	Calculus II
	___2	Whole Person Wellness Elective
	___3	Elective
Total Hours 15		

Second Year Fall (Odd Year)

HST	2013	Integrated Humanities I
MTH	2114	Linear Algebra & Differential Eq.
MTH	3103	Foundations of Mathematics
	___3	Social/Behavioral Sci. (SBS) Elective
	___3	Elective
Total Hours 16		

Second Year Spring (Even Year)

HST	2023	Integrated Humanities II
MTH	2123	Vector Calculus
MTH	4123	Abstract Algebra†
	___3	Elective
	___3	Elective
Total Hours 15		

Third Year Fall (Even Year)

CS	1113	Introduction to Computing
MTH	2111	Problem-Solving Seminar
PHY	2114	General Physics I
	___3	Arts & Humanities (AH) Elective
	___3	Elective
Total Hours 14		

Third Year Spring (Odd Year)

BBL	2013	Essentials of Evangelical Theology
MTH	3183	Probability & Statistics (or MTH 3173)
PHY	2124	General Physics II
MTH	___3	Mathematics Elective
	___3	Elective
Total Hours 16		

Fourth Year Fall (Odd Year)

BBL	2022	Essentials of Christian Formation
MTH	4143	Real Analysis†
MTH	___3	Mathematics Elective
	___3	SBS or AH Elective (see above)
	___3	Elective
Total Hours 14		

Fourth Year Spring (Even Year)

GSC	4133	Faith and Science
MTH	4501	Mathematics Capstone
	___3	Intercultural Engagement Elective
	___3	Elective
	___3	Elective
	___2	Elective
Total Hours 15		

Total Hours for Four Years: 120

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MTH 3143	Topics in Mathematics Education (Fall, even yrs.)	MTH 4220-3	Mathematics Research (Every)
MTH 3153	Foundations of Geometry (Spring, ODD)	MTH 4310	Mathematics Internship (Every)

Bachelor of Science in Mathematics (B.S.) with an Emphasis in Actuarial Science

Sample Four-Year Plan Starting in Odd Year

First Year Fall (Odd Year)

BBL	1013	Old Testament Survey
COR	1002	Gateway Seminar
ECN	2113	Principles of Micro (SocialBehav Elective)
EGL	1013	English I: Composition
MTH	1134	Calculus I
Total Hours 15		

First Year Spring (Even Year)

BBL	1023	New Testament Survey
ECN	2123	Principles of Macroeconomics
EGL	1023	English II: Literary Analysis/Research
MTH	1144	Calculus II
	___2	Whole Person Wellness Elective
Total Hours 15		

Second Year Fall (Even Year)

ATG	2173	Principles of Financial Accounting
CS	1113	Introduction to Computing
HST	2013	Integrated Humanities I
MTH	2114	Linear Algebra & Differential Eq.
MTH	3103	Foundations of Mathematics
Total Hours 16		

Second Year Spring (Odd Year)

BUS	2193	Business Statistics
HST	2023	Integrated Humanities II
MTH	2123	Vector Calculus
MTH	___3	Mathematics Elective
	___3	Elective
Total Hours 15		

Third Year Fall (Odd Year)

BUS	3113	Spreadsheet Analytics
FIN	3003	Principles of Finance
MTH	2111	Problem-Solving Seminar
MTH	4143	Real Analysis†
PHY	2114	General Physics I (NtScience Elective)
Total Hours 14		

Third Year Spring (Even Year)

BBL	2013	Essentials of Evangelical Theology
ECN	3133	Money and Banking
MTH	3183	Probability & Statistics (or MTH 3173)
MTH	4123	Abstract Algebra†
PHY	2124	General Physics II
Total Hours 16		

Fourth Year Fall (Even Year)

BBL	2022	Essentials of Christian Formation
FIN	3063	Investments
MTH	___3	Mathematics Elective
	___3	Arts & Humanities (AH) Elective
	___3	Elective
Total Hours 14		

Fourth Year Spring (Odd Year) – Major Field Exam

FIN	4283	Intermediate Corporate Finance
GSC	4133	Faith and Science
MTH	4501	Mathematics Capstone
	___3	Intercultural Engagement Elective
	___3	SB or AH elective
	___2	Elective
Total Hours 15		

Total Hours for Four Years: 120

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MTH 3143	Topics in Mathematics Education (Fall, even yrs.)	MTH 4220-3	Mathematics Research (Every)
MTH 3153	Foundations of Geometry (Spring, ODD)	MTH 4310	Mathematics Internship (Every)

Bachelor of Science in Mathematics (B.S.)

with an Emphasis in Actuarial Science

Sample Four-Year Plan Starting in Even Year

First Year Fall (Even Year)

BBL	1013	Old Testament Survey
COR	1002	Gateway Seminar
ECN	2113	Principles of Micro (SocialBehavior Elect)
EGL	1013	English I: Composition
MTH	1134	Calculus I
		Total Hours 15

First Year Spring (Odd Year)

BBL	1023	New Testament Survey
ECN	2123	Principles of Macroeconomics
EGL	1023	English II: Literary Analysis/Research
MTH	1144	Calculus II
	___2	Whole Person Wellness Elective
		Total Hours 15

Second Year Fall (Odd Year)

ATG	2173	Principles of Financial Accounting
HST	2013	Integrated Humanities I
MTH	2114	Linear Algebra & Differential Eq.
MTH	3103	Foundations of Mathematics
	___3	Elective
		Total Hours 16

Second Year Spring (Even Year)

BUS	2193	Business Statistics
HST	2023	Integrated Humanities II
MTH	2123	Vector Calculus
MTH	4123	Abstract Algebra†
	___3	Intercultural Engagement Elective
		Total Hours 15

Third Year Fall (Even Year)

BUS	3113	Spreadsheet Analytics
CS	1113	Introduction to Computing
FIN	3003	Principles of Finance
MTH	2111	Problem-Solving Seminar
PHY	2114	General Physics I (NtScience Elective)
	___2	Elective
		Total Hours 16

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ECN	3133	Money and Banking
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MTH	___3	Mathematics Elective
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		Total Hours 16

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FIN	3063	Investments
MTH	4143	Real Analysis†
MTH	___3	Mathematics Elective
	___3	Arts & Humanities (AH) Elective
		Total Hours 14

Fourth Year Spring (Even Year) – Major Field Exam

FIN	4283	Intermediate Corporate Finance
GSC	4133	Faith and Science
MTH	4501	Mathematics Capstone
	___3	SB or AH Elective
	___3	Elective
		Total Hours 13

Total Hours for Four Years: 120

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