Bachelor of Science in Mathematics (B.S.) Degree with a Concentration 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
EGL   1013   English I: Composition
MTH   1163   Calculus I (Mathematics Elective)
ECN   2113   MicroEcon. (Soc.&Beh. Sci. 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
ECN   2123   MacroEcon. (Soc.&Beh. Sci. Elective)
    ___3   Elective
    Total Hours 15

Second Year Fall (Even Year)
BBL   2022   Essentials of Christian Formation
HST   2013   Integrated Humanities I
ATG   2173   Principles of Financial Accounting
MTH   2113   Calculus III
MTH   3103   Foundations of Mathematics
    Total Hours 14

Second Year Spring (Odd Year)
HST   2023   Integrated Humanities II
MTH   2123   Vector Calculus
BUS   2193   Business Statistics
FIN   3003   Principles of Finance
    ___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
FIN   4283   Intermediate Corporate Finance
    ___3   Elective
    Total Hours 16

Third Year Spring (Even Year)
BBL   2013   Essentials of Evangelical Theology
MTH   3133   Linear Algebra & Differential Eq.
MTH   3153   Foundations of Geometry†
PHY   2313   General Physics II (Nat. Sci. Elective)
PHY   2311   General Physics II Lab
ECN   3133   Money and Banking
    Total Hours 16

Fourth Year Fall (Even Year)
MTH   2111   Problem-Solving Seminar
EN   1173   Intro. to Programming for Engineers
FIN   3063   Investments
MTH   3183   Probability & Statistics (or MTH 3173)
    ___3   Arts & Humanities Elective
    ___2   Whole Person Wellness Elective
    Total Hours 15

Fourth Year Spring (Odd Year)
GSC   4133   Faith and Science
BUS   3113   Spreadsheet Analytics
MTH   4143   Real Analysis†
    ___3   Intercultural Engagement 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 (Upon request)	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)		

Bachelor of Science in Mathematics (B.S.) Degree with a Concentration 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
EGL	1013	English I: Composition
MTH	1163	Calculus I (Mathematics Elective)
ECN	2113	MicroEcon. (Soc.&Beh. Sci. 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
ECN	2123	MacroEcon. (Soc.&Beh. Sci. 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
ATG	2173	Principles of Financial Accounting
___	3	Elective
		Total Hours 15

Second Year Spring (Even Year)
HST	2023	Integrated Humanities II
MTH	2123	Vector Calculus
BUS	2193	Business Statistics
FIN	3003	Principles of Finance
___	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
FIN	3063	Investments
		Total Hours 14

Third Year Spring (Odd Year)
BBL	2013	Essentials of Evangelical Theology
MTH	3133	Linear Algebra & Differential Eq.
PHY	2313	General Physics II (Nat. Sci. Elective)
PHY	2311	General Physics II Lab
MTH	4143	Real Analysis†
BUS	3113	Spreadsheet Analytics
		Total Hours 16

Fourth Year Fall (Odd Year)
BBL	2022	Essentials of Christian Formation
MTH	4123	Abstract Algebra†
MTH	3113	Selected Topics
FIN	4283	Intermediate Corporate Finance
___	2	Whole Person Wellness Elective
___	3	Arts & Humanities Elective
		Total Hours 16

Fourth Year Spring (Even Year)
GSC	4133	Faith and Science
MTH	3153	Foundations of Geometry†
ECN	3133	Money and Banking
___	3	Intercultural Engagement 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)
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MTH 3153 Foundations of Geometry (Spring, odd)	