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

Sample Four-Year Plan Starting in Odd Year

BBL COR EGL MTH	1013 1002 1013 1134 3	Odd Year) Old Testament Survey Gateway Seminar English I: Composition Calculus I Elective	BBL EGL MTH	1023 1023 1144 2 3	Calculus II Whole Person Wellness Elective Elective	
10	tal Hour	5 15	Total Hours 15			
Second	d Year Fa	all (Even Year)	Secon	Second Year Spring (Odd Year)		
CS	1113	Introduction to Computing	HST	2023	Integrated Humanities II	
HST	2013	Integrated Humanities I	MTH	2123	Vector Calculus	
MTH	2111	Problem-Solving Seminar	MTH	3153	Foundations of Geometry	
MTH	2114	Linear Algebra & Differential Eq.		3	Elective	
MTH	3103	Foundations of Mathematics		3	Elective	
To	tal Hour	s 14	Total Hours 15			
Third Y	ear Fall	(Odd Year)	Third Year Spring (Even Year)			
MTH	4143	Real Analysis†	BBL	2013	Essentials of Evangelical Theology	
PHY	2114	General Physics I (Nat.Sci.(NS)Elective)	MTH	3183	Probability & Statistics (or MTH 3173)	
MTH	3113	Selected Topics	MTH	4123	Abstract Algebra†	
		Arts & Humanities (AH) Elective	PHY	2124	General Physics II (NS Elective/lab)	
_	3	Social/Behavioral Sci. (SBS) Elective		3		
Total Hours 16		s 16	То	tal Hour	s 16	
Fourth	Year Fa	ll (Even Year)	Fourth	ı Year Sn	oring (Odd Year)	
BBL		Essentials of Christian Formation	GSC	4133	~ ·	
	3	SBS or AH Elective (see above)	MTH	4501		
	4	Elective		3		
		Elective		4	Elective	
	3	Elective		3	Elective	
Total Hours 15			To	tal Hour	s 14	

Total Hours for Four Years: 120

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)

Revised: 2/19/2021 F. Blume

[†] 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.

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

Sample Four-Year Plan Starting in Odd Year

Eirct V	oar Fall	(Odd Year)	Eirct V	aar Spri	ng (Even Year)
First Year Fall (Odd Year) BBL 1013 Old Testament Survey			BBL	1023	New Testament Survey
COR	1013	Gateway Seminar	EGL	1023	•
EGL	1013	English I: Composition	MTH	1144	, , ,
MTH	1134	Calculus I	ECN	2123	MacroEconomics AH or SBS Elective
ECN	2113	MicroEcon. Social Behavioral Science(SBS)Elective	LCIV	2123	Whole Person Wellness Elective
	tal Hour		To	∠ tal Hour	
10	rtai i loui	3 1 3	10	rtai i ioui	313
Secon	d Year F	all (Even Year)	Second Year Spring (Odd Year)		
BBL	2022	Essentials of Christian Formation	HST	2023	Integrated Humanities II
HST	2013	Integrated Humanities I	MTH	2123	Vector Calculus
ATG	2173	Principles of Financial Accounting	MTH	3153	Foundations of Geometry
MTH	2114	Linear Algebra & Differential Eq.	BUS	2193	Business Statistics
MTH	3103	Foundations of Mathematics	FIN	3003	Principles of Finance
To	tal Hour	rs 15	To	tal Hour	rs 15
Third Year Fall (Odd Year)			Third Year Spring (Even Year)		
MTH	4143	Real Analysis†	BBL	2013	Essentials of Evangelical Theology
PHY	2114	General Physics I (Nat.Sci.(NS)Elective)	MTH	3183	Probability & Statistics (or MTH 3173)
MTH	3113	Selected Topics	MTH	4123	Abstract Algebra†
FIN	4283	Intermediate Corporate Finance	PHY	2124	General Physics II (NS Elective/lab)
BUS	3113	Spreadsheet Analytics	ECN	3133	Money and Banking
То	tal Hour	rs 16	То	tal Hour	rs 16
Fourth Year Fall (Even Year)		Fourth	ո Year Տր	oring (Odd Year)	
MTH	2111	Problem-Solving Seminar	GSC	4133	Faith and Science
CS	1113	Introduction to Computing	MTH	4501	Mathematics Capstone
FIN	3063	Investments		3	Intercultural Engagement Elective
	3	SBS or AH Elective (see above)		4	Elective
	4	Elective		3	Elective
_			_		

Total Hours for Four Years: 120

Total Hours 14

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)

Revised: 2/19/2021 F. Blume

Total Hours 14

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

Sample Four-Year Plan Starting in Even Year

First Year Fall (Even Year)				First Year Spring (Odd Year)			
BBL	1013	Old Testament Survey	BBL	1023	New Testament Survey		
COR	1002	Gateway Seminar	EGL	1023	English II: Literary Analysis/Research		
EGL	1013	English I: Composition	MTH	1144	Calculus II		
MTH	1134	Calculus I	ECN	2123	MacroEconomics AH or SBS Elective		
ECN	2113	MicroEcon. Social Behavioral Science(SBS)Elective		2	Whole Person Wellness Elective		
Tot	tal Hours	s 15	Tot	Total Hours 15			
Secon	d Year F	all (Odd Year)	Secon	Second Year Spring (Even Year)			
HST	2013	Integrated Humanities I	HST	2023	Integrated Humanities II		
MTH	2114	Linear Algebra & Differential Eq.	MTH	2123	Vector Calculus		
ATG	2173	Principles of Financial Accounting	BUS	2193	Business Statistics		
	3	Elective	FIN	3003	Principles of Finance		
	3	Elective		3	Elective		
To	tal Hour	rs 16	То	Total Hours 15			
Third `	Year Fall	(Even Year)	Third Year Spring (Odd Year)				
CS	1113	Introduction to Computing	BBL	2013	Essentials of Evangelical Theology		
MTH	2111	Problem-Solving Seminar	MTH	3183	Probability & Statistics (or MTH 3173)		
MTH	3103	Foundations of Mathematics	PHY	2124	General Physics II (NS Elective/lab)		
PHY	2114	General Physics I (Nat.Sci.(NS)Elective)	MTH	3153	Foundations of Geometry		
FIN	3063	Investments	BUS	3113	Spreadsheet Analytics		
To	tal Hour	rs 14	То	tal Hour	rs 16		
Fourth Year Fall (Odd Year)			Fourth	ı Year Sp	oring (Even Year)		
BBL	2022	Essentials of Christian Formation	GSC	4133	Faith and Science		
MTH	4143	Real Analysis†	MTH	4123	Abstract Algebra†		
MTH	3113	Selected Topics	MTH	4501	Mathematics Capstone		
FIN	4283	Intermediate Corporate Finance	ECN	3133	Money and Banking		
	3	SBS or AH Elective (see above)		3	Intercultural Engagement Elective		
				2	Elective		

Total Hours for Four Years: 120

Total Hours 15

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)

Revised: 2/19/2021 F. Blume

Total Hours 14

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

Sample Four-Year Plan Starting in Even Year

First Year Fall (Even Year)			First Year Spring (Odd Year)			
BBL	1013	Old Testament Survey	BBL	1023	New Testament Survey	
COR	1002	Gateway Seminar	EGL	1023	English II: Literary Analysis/Research	
EGL	1013	English I: Composition	MTH	1144	Calculus II	
MTH	1134	Calculus I		2	Whole Person Wellness Elective	
	3	Elective		3	Elective	
Tot	al Hours	: 15	Total Hours 15			
Secon	d Year F	all (Odd Year)	Second Year Spring (Even Year)			
HST	2013	Integrated Humanities I	HST	2023	Integrated Humanities II	
MTH	2114	Linear Algebra & Differential Eq.	MTH	2123	Vector Calculus	
	3	Social/Behavioral Sci. (SBS) Elective		3	Elective	
	3 3	Elective		3	Elective	
	3	Elective		3	Elective	
То	tal Hour	s 16	Total Hours 15			
Third \	ear Fall	(Even Year)	Third Year Spring (Odd Year)			
CS	1113	Introduction to Computing	BBL	2013	Essentials of Evangelical Theology	
MTH	2111	Problem-Solving Seminar	MTH	3183	Probability & Statistics (or MTH 3173)	
MTH	3103	Foundations of Mathematics	PHY	2124	General Physics II (NS Elective/lab)	
PHY	2114	General Physics I (Nat.Sci.(NS)Elective)	MTH	3153	Foundations of Geometry	
	3	Arts & Humanities (AH) Elective		3	Elective	
То	tal Hour	s 14	Total Hours 16			
Fourth Year Fall (Odd Year)			Fourth Year Spring (Even Year)			
BBL	2022	Essentials of Christian Formation	GSC	4133	Faith and Science	
MTH	4143	Real Analysis†	MTH	4123	Abstract Algebra†M	
MTH	3113	Selected Topics	MTH	4501	Mathematics Capstone	
	3	SBS or AH Elective (see above)		3	Intercultural Engagement Elective	
	3	Elective		3	Elective	
				2	Elective	
Total Hours 14			To	tal Hour	s 15	

Total Hours for Four Years: 120

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)

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