

**Mathematics**  
**Bachelor of Science in Mathematics (B.S.) <041T>**  
 Catalog Year 2016-17

First Semester				Second Semester			
ENGL	101	Composition and Rhetoric ( <i>GEF 1</i> )	3.00	ENGL	102	Composition and Rhetoric ( <i>GEF 1</i> )	3.00
WVUE	191	First Year Seminar	1.00	MATH	156	Calculus II ( <i>GEF 8</i> )	4.00
MATH	155	Calculus I ( <i>GEF 3</i> )	4.00	CS	122	Computer Science II	4.00
CS	121	Computer Science I	4.00	<i>GEF</i>	<i>4</i>	Society and Connections	3.00
		Elective	3.00			Elective	1.00
			<b>15.00</b>				<b>15.00</b>
Third Semester				Fourth Semester			
MATH	283	Intro to Concepts of Math	3.00	MATH	261	Elementary Differential Equations	4.00
MATH	251	Multivariable Calculus	4.00			Technical Elective ( <i>GEF 8</i> ) <sup>(3)</sup>	4.00
PHYS	111	General Physics ( <i>GEF 2B</i> )	4.00	MATH		Elective (300 or 400 level)	3.00
<i>GEF</i>	<i>5</i>	Human Inquiry and the Past	3.00			Elective	3.00
			<b>14.00</b>			Elective	3.00
							<b>17.00</b>
Fifth Semester				Sixth Semester			
ENGL	305	Technical Writing	3.00	MATH	341	Intro to Alg. Structures	3.00
<i>GEF</i>	<i>6</i>	The Arts and Creativity	3.00	MATH	441	Applied Linear Algebra	3.00
MATH	448	Probability and Statistics	3.00	<i>GEF</i>	<i>7</i>	Global Studies and Diversity	3.00
		Technical Elective <sup>(1)</sup>	3.00			Technical Elective <sup>(1)</sup>	3.00
		Elective	3.00			Elective	3.00
			<b>15.00</b>				<b>15.00</b>
Seventh Semester				Eighth Semester			
MATH	451	Intro. to Real Analysis 1	3.00	MATH	452	Intro. to Real Analysis 2	3.00
<i>GEF</i>	<i>8</i>	Focus	3.00	MATH	496	Senior Thesis	2.00
MATH		Elective (300 or 400 level)	3.00			Technical Elective <sup>(1)</sup>	3.00
		Technical Elective <sup>(1)</sup>	3.00			Elective	3.00
		Elective	3.00			Elective	3.00
			<b>15.00</b>				<b>14.00</b>

**Total hours necessary to earn the B.S. degree = 120.00**

Notes: <sup>(1)</sup> **Technical Electives** may be chosen from the approved list.

**Mathematics**  
**Bachelor of Science in Mathematics (B.S.) <041T>**  
 Business Track  
 Catalog Year 2016-17

First Semester				Second Semester			
ENGL	101	Composition and Rhetoric ( <i>GEF 1</i> )	3.00	ENGL	102	Composition and Rhetoric ( <i>GEF 1</i> )	3.00
WVUE	191	First Year Seminar	1.00	MATH	156	Calculus II ( <i>GEF 8</i> )	4.00
MATH	155	Calculus I ( <i>GEF 3</i> )	4.00	CS	122	Computer Science II	4.00
CS	121	Computer Science I	4.00	<i>GEF</i>	<b>4</b>	Society and Connections	3.00
		Elective	3.00			Elective	1.00
			<u>15.00</u>				<u>15.00</u>
Third Semester				Fourth Semester			
MATH	283	Intro to Concepts of Math	3.00	MATH	261	Elementary Differential Equations	4.00
MATH	251	Multivariable Calculus	4.00	MATH	441	Applied Linear Algebra	4.00
ACCT	201	Principles of Accounting I	3.00	ACCT	202	Principles of Accounting II	3.00
<i>GEF</i>	<b>2B</b>	Science & Technology	4.00			Technical Elective ( <i>GEF 8</i> ) <sup>(1)</sup>	3.00
			<u>14.00</u>			Elective	3.00
							<u>17.00</u>
Fifth Semester				Sixth Semester			
MATH	448	Probability and Statistics	3.00	BCOR	370	Managing Individuals Teams	3.00
ECON	202	Principles of Macroeconomics	3.00	MATH	341	Intro to Alg. Structures	3.00
ENGL	305	Technical Writing	3.00	<i>GEF</i>	<b>6</b>	The Arts and Creativity	3.00
<i>GEF</i>	<b>5</b>	Human Inquiry and the Past	3.00	ECON	201	Principles of Microeconomics	3.00
		Technical Elective <sup>(1)</sup>	3.00			Elective	3.00
			<u>15.00</u>				<u>15.00</u>
Seventh Semester				Eighth Semester			
FIN	325	Financial Management I	3.00	FIN	326	Financial Management II	3.00
<i>GEF</i>	<b>7</b>	Global Studies and Diversity	3.00	MATH	496	Senior Thesis	2.00
MATH		Elective (300 or 400 level)	3.00	MATH		Elective (300 or 400 level)	3.00
		Technical Elective <sup>(1)</sup>	3.00			Technical Elective <sup>(1)</sup>	3.00
		Elective	3.00	<i>GEF</i>	<b>8</b>	Focus	3.00
			<u>15.00</u>				<u>14.00</u>

Total hours necessary to earn the B.S. degree = **120.00**

Notes: <sup>(1)</sup> Technical Electives may be chosen from the approved list.

**Mathematics**  
**Bachelor of Science in Computer Engineering (B.S.C.S.) <041T>**  
 Classic Track  
 Catalog Year 2016-17

First Semester				Second Semester			
ENGL	101	Composition and Rhetoric ( <i>GEF 1</i> )	3.00	ENGL	102	Composition and Rhetoric ( <i>GEF 1</i> )	3.00
WVUE	191	First Year Seminar	1.00	MATH	156	Calculus II ( <i>GEF 8</i> )	4.00
MATH	155	Calculus I ( <i>GEF 3</i> )	4.00	CS	122	Computer Science II	4.00
CS	121	Computer Science I	4.00	<i>GEF</i>	<i>4</i>	Society and Connections	3.00
		Elective	3.00			Elective	1.00
			<u>15.00</u>				<u>15.00</u>
Third Semester				Fourth Semester			
MATH	283	Intro to Concepts of Math	3.00	MATH	261	Elementary Differential Equations	4.00
MATH	251	Multivariable Calculus	4.00			Technical Elective ( <i>GEF 8</i> ) <sup>(3)</sup>	4.00
PHYS	111	General Physics ( <i>GEF 2B</i> )	4.00	MATH		Elective (300 or 400 level)	3.00
<i>GEF</i>	<i>5</i>	Human Inquiry and the Past	3.00			Elective	3.00
			<u>14.00</u>			Elective	3.00
							<u>17.00</u>
Fifth Semester				Sixth Semester			
ENGL	305	Technical Writing	3.00	MATH	341	Intro to Alg. Structures	3.00
<i>GEF</i>	<i>6</i>	The Arts and Creativity	3.00	MATH	441	Applied Linear Algebra	3.00
MATH	448	Probability and Statistics	3.00	<i>GEF</i>	<i>7</i>	Global Studies and Diversity	3.00
		Technical Elective <sup>(1)</sup>	3.00			Technical Elective <sup>(1)</sup>	3.00
		Elective	3.00			Elective	3.00
			<u>15.00</u>				<u>15.00</u>
Seventh Semester				Eighth Semester			
MATH	451	Intro. to Real Analysis 1	3.00	MATH	452	Intro. to Real Analysis 2	3.00
<i>GEF</i>	<i>8</i>	Focus	3.00	MATH	496	Senior Thesis	2.00
MATH		Elective (300 or 400 level)	3.00			Technical Elective <sup>(1)</sup>	3.00
		Technical Elective <sup>(1)</sup>	3.00			Elective	3.00
		Elective	3.00			Elective	3.00
			<u>15.00</u>				<u>14.00</u>

Total hours necessary to earn the B.S. degree = **120.00**

Notes: <sup>(1)</sup> Technical Electives may be chosen from the approved list.