

# Math - B.S.

## Degree Requirements

Total Academic Credits:	120
Min. Cumulative GPA:	2.0
Core Requirements:	52

## Track: Applied & Computational Math

### Curriculum Notes

This sample plan assumes no Advanced Placement or Transfer Credits and Math Placement into MATH 141. Students must complete a credit-bearing English and Mathematics course in the first year of study.

***This sample plan is provided as a guide only.*** Students must meet with Academic and Faculty Advisors each semester for final approval of courses. The Academic Department makes all final decisions on course requirements for degree completion.

### Year One

Fall Semester	Credits	Spring Semester	Credits
ENGL 101 Expository Writing	3	ENGL102 Argument & Research	3
MATH 225 Calculus I	4	MATH 226 Calculus II	4
FRSE 101 Freshman Seminar	3	CHEM 107 General Chemistry I	4
COMM 101 Communications	3	COSC-112 Computer Science I	4
HEED 102 Life & Health	3		
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>

### Year Two

Fall Semester	Credits	Spring Semester	Credits
HIST 114/115 African Amer History	3	MATH 232 Multivariable Calc	4
Math-155 Intro Probability & Stats	4	Social Science Elective	3
MATH 228 Linear Algebra	4	MATH 252 Computational Methods	4
Arts and Humanities Elective	3	COSC-214 Computer Science II	4
COSC-113 Computer Science	3	General Educ Elective	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>18</b>

### Year Three

Fall Semester	Credits	Spring Semester	Credits
MATH-300 Differential Equations	3	MATH-320	3
MATH 305 Prelude to Advan Math	3	PHYS 272 General Physics II	4
PHYS 271 General Physics	3	MATH Elective	3/4
ENGL 361 Technical Writing	3	MATH Elective	3
Social Sciences Elective	3		
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>13/14</b>

## Year Four

<b>Fall Semester</b>	<b>Credits</b>	<b>Spring Semester</b>	<b>Credits</b>
MATH 430 Advanced Calculus 1	3	MATH 470 Complex Analysis	3
COSC 350 Programming Lang	3	Math Elective	3
Math 460 Numerical Analysis I (GER elective)	3	Math Elective	3
		Free Elective( no restrictions)	3
			3
	<b>Total</b>		<b>Total</b>
	12		12