MATHEMATICS (Applied Concentration) – B.S. – 2021-22

To the student: Please make sure you are using the correct check sheet based on your enrollment year. YOU are responsible for making sure you are on the correct check sheet and completing all program requirements accurately and on time.

Min Total Hours Required: 120
Total Lib Arts Hrs Req'd: 60
Min overall GPA for mjr accept & grad: 2.0
Other: Min major GPA of 2.0

Other: Min major GPA of 2.0
Other: No grade less than C- in major

Residence Requirements:	
31 Hrs at RWC	
15 Hrs in Major at RWC	
Of last 31 Hrs, 24 at RWC	

Name:			

Shared Core		SHr	Grd
FYSE 1000	First Year Seminar	2	
COMP 1010	Prin Writing	3	Min C-
PHST 1300	Personal Wellness	1	
BIBL 1010	Encounter the OT	3	
BIBL 1020	Engaging the NT	3	
ECON 1050	Personal Financial Success	1	
HIST 1400	Western History Global Cont	3	
SRSE 4100	Senior Seminar	2	

Choice Core		SHr	Grd
COMP 1020	Writing & Research	3	
PHIL 2202	Philosophical Ethics	3	
LITR 1010	Intro Literature	3	
COMM 1105	Fund of Oral Communication	3	
	Behavioral Science	3	
	Social Science	3	
N/A	Lab Science	N/A	N/A
N/A	Mathematics	N/A	N/A
	Fine Arts	4	

Foreign Language		SHr	Grd
	Foreign Language◆	3	
	Foreign Language◆	3	
	Foreign Language◆	3	

Honors program students will have substitutions for several Gen Ed courses

♦Or proficiency as outlined in the College catalog

Major Require	ements: 53 Hours	SHr	Grd
MATH 2070	Discrete Math	3	
MATH 2281	Calculus I	4	
MATH 2282	Calculus II	4	
MATH 2283	Calculus III	4	
MATH 3110	Linear Algebra	3	
MATH 4990	Seminar	1	
Applied Mathe	ematics Concentration (18 Hrs)		
MATH 3210	Differential Equations	3	
MATH 4200	Real Analysis	3	
Plus four of the			
MATH 3400	Probability & Statistics	3	
MATH 3710	Numerical Analysis	3	
MATH 3720	Mathematical Mthds for Sci	3	
MATH 4710	Mathematical Modeling	3	
MATH 4500	Internship	3-6	
	ourses (16 Hrs)		
CSCI 2010	Computer Science I	4	
PHYS 2001	Physics for Engrs/Scntsts I	3,1	
&			
PHYS 2002	Physics for Engrs/Scntsts II	3,1	
&			
PHYS 2003	Modern Physics	3,1	
& L			

Recommended Electives:

- Additional courses in computer science, physics, mathematics, or other natural sciences
- Work toward a minor or a second major in a quantitative field. (Recommended fields would include: computer science, physics, chemistry, biology, psychology, finance and economics.)

Other Elective Credits to Reach 120 Hours	SHr	Grd