

Major: **Mathematics**
(Applied Mathematics and Statistics Option)

Degree: **Bachelor of Science**

<u>First Semester</u>		<u>Hrs.</u>	<u>Second Semester</u>		<u>Hrs.</u>
UI100	First Year Seminar	3	EN140	Rhet.& Crit. Think.	3
EN100	English Comp. I	3		University Studies	3
	University Studies	3		University Studies	3
	University Studies	3	MA223	Elem Prob&Statistics	3
MA140	Anal. Geom. & Calc.I	5	MA145	Anal.Geom.& Calc.II	4
		—	WP002	Writing Skills Test	—
		17			16
<u>Third Semester</u>		<u>Hrs.</u>	<u>Fourth Semester</u>		<u>Hrs.</u>
MA240	Anal. Geom. & Calc. III	3	MA350	Differential Equations I	3
MA138	Discrete Math. I	3	MA250	Foundations Math.	3
	University Studies	3	MA345	Linear Algebra	3
	University Studies	3		University Studies	3
	University Studies	3		University Studies	3
	University Studies	3			—
		18			15
<u>Fifth Semester</u>		<u>Hrs.</u>	<u>Sixth Semester</u>		<u>Hrs.</u>
MA334	Computer Programming	3	MA524	Prob. & Stat. II	3
MA523	Prob. & Stat. I	3	UI3xx	University Studies	3
MA546	Advanced Calculus I	3		Elective	2
UI3xx	University Studies	3		Elective	3
	Elective 3	3		Elective	3
		—	WP003	75 Hour Writing Test	—
		15			14
<u>Seventh Semester</u>		<u>Hrs.</u>	<u>Eighth Semester</u>		<u>Hrs.</u>
MA580	Exp. Design & Var. Analysis	3	MA544	Numerical Methods	3
UI4xx	University Studies	3	MA448	Mathematics Seminar	1
	Elective	3		Elective	3
	Elective	3		Elective	3
	Elective	3		Elective	2
		—			—
		15			12

The above example is just one of many ways that courses may be selected from the Theoretical, Applied, and Advanced Components