

# SAMPLE MATHEMATICS (EGSC) FOUR-YEAR CURRICULUM

**Total Credits: 124**

FIRST YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
WR or University Seminar	University Seminar**	MATH 20610 - Linear Algebra	MATH 20630 - Introduction to Math Reasoning	MATH 30710 - Algebra	MATH 30750 - Real Analysis	Math Elective*	Math Elective*
MATH 10550	MATH 10560	MATH 20550 - Calculus 3	MATH 20750 - Ordinary Diff. Eqns	Math Elective*	Engineering Elective***	Math Elective*	Math Elective*
CHEM 10171	CHEM 10172 OR 10122	Philosophy or Theology	Foreign Language	AME 20221- Mechanics I	Engineering Elective***	Engineering Elective***	Elective
University Requirement	University Requirement	Foreign Language	Elective	Philosophy or Theology	AME 20231 - Thermodynamics	Elective	Elective
PHYS 10310	PHYS 10320	Science Elective	Philosophy or Theology	Foreign Language	Literature or Fine Arts	Elective	
First Year Experience	First Year Experience						

\*One of these math electives must be at the 4xxxx level

\*\* The required University Seminar course will satisfy one university requirement (history, social science, fine arts, literature, theology, or philosophy). This course will NOT satisfy a major requirement.

\*\*\*Students are required to complete one of two sequences: Thermal Option, or Structures and Design Option

Note also that the ordering of the required math courses can be modified somewhat, check pre-requisite listings online to see alternate orderings.