HONORS PROGRAM (SCIENCE/MATH) (HNRT)

### 100 Level Courses

**HNRT 125:** A Liberal Arts Approach to Calculus. 3 credits.
Assumes understanding of basic algebra and functions. Explores various mathematical models and develops concepts and applications of limits and derivatives offered by College of Science. May not be repeated for credit.

**Mason Core:** Quantitative Reasoning

**Registration Restrictions:**
Enrollment limited to students with the Honors College (Business), Honors College (STEM), or Honors College attributes.

**Schedule Type:** Lecture

### 200 Level Courses

**HNRT 225:** Applied Calculus. 3 credits.
Theory and applications of calculus for nonSTEM students. Assumes a previous introductory course in calculus. Topics include exponential models in the life sciences and business, theory of integration and may include improper integrals, infinite series, differential equations, or probability. Offered by College of Science. May not be repeated for credit.

**Registration Restrictions:**
Enrollment limited to students with the Honors College (Business), Honors College (STEM), or Honors College attributes.

**Schedule Type:** Lecture

**HNRT 226:** Topics in Quantitative Analysis. 3 credits.
Studies selected topics of special interest to honors students with suitable preparation. Notes: For students who have taken calculus in high school. HNRT 226 is an alternative to HNRT 125. Offered by College of Science. May not be repeated for credit.

**Recommended Prerequisite:** Calculus in high school.

**Registration Restrictions:**
Enrollment limited to students with the Honors College (STEM), or Honors College attributes.

**Schedule Type:** Lecture

**HNRT 227:** Scientific Thought and Processes I. 4 credits.
Explores and integrates principles of classical and modern science through study of such topics as cosmology, evolution, ecology, mechanics, relativity, quantum physics, and the environment. Notes: Includes a weekly lab session. Offered by College of Science. May not be repeated for credit.

**Mason Core:** Natural Science with Lab

**Registration Restrictions:**
Enrollment limited to students with the Honors College (Business), Honors College (STEM), or Honors College attributes.

**Schedule Type:** Laboratory, Lecture

**HNRT 228:** Scientific Thought and Processes II. 4 credits.
Explores and integrates principles of classical and modern science through study of such topics as cosmology, evolution, ecology, mechanics, relativity, quantum physics, and the environment. Notes: