**General Studies Requirements (58-62 sh)**

**FIRST-YEAR CORE:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GST 110 - Global Experience</td>
<td>(4 s.h.)</td>
</tr>
<tr>
<td>ENG 110 - College Writing</td>
<td>(4 s.h.)</td>
</tr>
<tr>
<td>MTH 112 or 121 or 212</td>
<td>(4 s.h.)</td>
</tr>
<tr>
<td>HED 111 – Contemporary Wellness</td>
<td>(2 s.h.)</td>
</tr>
</tbody>
</table>

**Experiential Learning Requirement (ELR):** *(One Unit)*

May be met by any one of the following: internships, practicum, co-op, study abroad, student teaching, approved field-based course or documented service, leadership, or individualized learning experience.

**Foreign Language Requirement:**

Students must meet one of the following: (a) complete a language course numbered 122 or higher at Elon, or receive transfer or study abroad credit for the same; (b) place into a language course numbered 200 or above upon arriving at Elon, using a department of foreign languages approved placement instrument; (c) score a 4 or 5 on an AP language exam or similar exam. Each student must take the language placement test by October 1 of his or her first full year at Elon. Students are allowed two tries; the higher score is counted. That score stands and may not be repeated by later testing.

**STUDIES IN THE ARTS AND SCIENCES:**

[Transfer students with at least 18 s.h. of transfer credit must complete 32 hours total in Studies in the Arts & Sciences, but may have as few as 7 hours in one or more of the four Studies in the Arts & Sciences areas.]

- **Expression** *(8 s.h.)*  
  [Eight hours chosen from at least two of the following: literature (in English or foreign languages), philosophy, & fine arts (art, art history, dance, fine arts, music, music theatre, & theatre). At least one course must be literature.]

- **Civilization** *(8 s.h.)*  
  [Eight hours chosen from at least two of the following: history, foreign languages, and religious studies.]

- **Society** *(8 s.h.)*  
  [Eight hours chosen from at least two of the following: economics, geography, human services - HSS 111 only, political science, psychology, & sociology/anthropology.]

- **Science** *(Lab: ) *(8 s.h.)*  
  [Eight hours chosen from one or more of the following: mathematics, science, and computer science *(CSC designation)*. At least one course must be a physical or biological laboratory science.]

**ADVANCED STUDIES** *(Must be outside major.)*

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GST Interdisciplinary Seminar</td>
<td>(4 s.h.)</td>
</tr>
</tbody>
</table>

**Major Requirements**

A minimum of 38-40 s.h. in the following courses is required.

- **MTH 121 (4) - Calculus I**
- **MTH 221 (4) - Calculus II**
- **MTH 321 (4) – Multivariable Calculus & Analytic Geometry**

Complete one of the following concentrations:

**APPLIED MATHEMATICS** *(26-28 sh)*

- **MTH 206 (4) – Discrete Structures**
- **MTH 306 (4) – Applied Matrix Theory**

Choose one from the following:

- **MTH 212 (4) – Statistics in Application**
- **MTH 265 (4) – Applied Mathematical Modeling**
- **MTH/STS 341 (4) – Probability and Statistics**
- **MTH 421 (4) - Differential Equations**
- **MTH 300 / 400 - level course (4)**
- **MTH Course from an allied field approved by the Mathematics Dept. (4)**
- **CSC 130 (4) – Computer Science I**

Choose from the following: A related experiential/capstone experience approved by the department (2-4 sh). Approved options are:

- **MTH/STS 460 (2) - Seminar I**
- **MTH 481 (2-4) Internship in Mathematics**
- **MTH 499 (2-4) Independent Research**

**PURE MATHEMATICS** *(26-28 sh)*

- **MTH 231 (4) – Mathematical Reasoning**
- **MTH 311 (4) – Linear Algebra**

Math electives to total 12 sh (May include one departmentally approved course from an allied field. At least 4 sh must be 400-level MTH course)

A related course from outside the mathematics department and approved by the mathematics department (such as: CSC 130 Computer Science I or PHY 201 General Physics I)

Choose from the following: A related experiential/capstone experience approved by the department (2-4 sh). Approved options are:

- **MTH/STS 460 (2) - Seminar I**
- **MTH 481 (2-4) Internship in Mathematics**
- **MTH 499 (2-4) Independent Research**

**Major Comprehensive Evaluation**

**Major Total (s.h.)**