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

**FIRST-YEAR CORE:**

- **GST 110** - Global Experience (4 s.h.)
- **ENG 110** - College Writing (4 s.h.)
- **MTH 112 or 121 or 212** (4 s.h.)
- **HED 111** – Contemporary Wellness (2 s.h.)

**Experiential Learning Requirement (ELR):** (One Unit)
May be met by any one of the following: internship, 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:**

**Expression**
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 arts). At least one course must be literature.

**Civilization**
Eight hours chosen from at least two of the following: history, foreign languages, and religious studies.

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

**Science**
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.)

**MTH** (8 s.h.)
Eight hours of 300-400 level coursework outside the major field and chosen from areas under Studies in the Arts and Sciences.

**GST Interdisciplinary Seminar** (4 s.h.)
[300-400 level GST course; requires junior/senior status.]

*Required in major; may count in General Studies.
Select one (1) of the following six (6) options

**B.S. in Engineering Physics (16 s.h.):**

- PHY 314 (4) - Modern Physics
- PHY 401 (4) - Classical Mechanics
  - OR - PHY 403 (4) - Electrodynamics I
- PHY 397-98 (4) – Research Methods I and II
- Select 4 s.h. of PHY at the 300-400 level (excluding PHY 305)

**B.S. in Engineering Mathematics (24 s.h.)**

- MTH 231(4) – Mathematical Reasoning
- MTH 311 (4) - Linear Algebra
- MTH 312 (4) - Abstract Algebra
- MTH 341 (4) - Probability Theory and Statistics
- MTH 415 (4) - Numerical Analysis
- CSC 230 (4) – Computer Science II

**A.B. in Computer Science/Engineering (24 s.h.)**

- MTH 206 (4) – Discrete Structures
  - OR - MTH 231 (4) – Mathematical Reasoning
- CSC 230 (4) – Computer Science II
- CSC 330 (4) – Computer Science III
- CSC 331 (4) - Algorithm Analysis
- CSC 342 (4) - Computer Systems
- CSC 442 (4) – Mobile Computing

**A.B. in Chemistry/Chemical Engineering (23 s.h.)**

- CHM 211 (4) - Organic Chemistry I with Lab
- CHM 212 (4) - Organic Chemistry II with Lab
- CHM 311 (4) - Quantitative Analysis
- CHM 332 (4) - Physical Chemistry I
- CHM 341 (4) - Inorganic Chemistry I
- CHM 494* (3) - Senior Seminar

*May be taken at engineering school

**A.B. in Environmental Science/Environmental Engineering (20-28 s.h.)**

- ENS 111/113 (4) – Intro to Environmental Science w/ Lab
- ENS 200 (4) – Strategies for Environmental Inquiry
- ENS 211 (4) – Organic Chemistry I w/Lab
- MTH 341 (4) – Probability and Statistics

Ecological Processes (select one)

- BIO 215 (4) – Diversity of Life
- BIO 335 (4) – Field Biology
- ENS 320 (4) – Restoration Ecology
- ENS 330 (4) – Wildlife Ecology

Social Sciences and Humanities (select two)

- POL 224 (4) – Environmental Policy and Law
- POL 322 (4) – State Environmental Policy and Administration
- POL 344 (4) – International Environmental Policy
- SOC 334 (4) – Environmental Sociology
- ENG 318 (4) – Science Writing
- ENG 339 (4) – American Environmental Writers
- COM 331 (4) – Environmental Communications
- ART 339 (4) – Ecological Art
- GIS 250* (4) - Introduction to Geographical Systems
- POL 228* (4)- U.S. Environmental Law and Politics
- POL 344* (4) - Global Environmental Politics

*(or affiliate school equivalent)