### Elon Core Curriculum (56-60 s.h.)

**FIRST-YEAR FOUNDATIONS:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>COR 110 - Global Experience</td>
<td>4 s.h.</td>
<td></td>
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<tr>
<td>ENG 110 - Writing: Argument &amp; Inquiry</td>
<td>4 s.h.</td>
<td>(C- or better required for graduation)</td>
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<tr>
<td>MTH 110 or 151 or 220</td>
<td>4 s.h.</td>
<td>*</td>
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**Experiential Learning Requirement (ELR – 2 units required):**

Included in experiential learning are study abroad, research, service-learning, leadership, internships, (including co-ops, teaching, and practicum), or other courses or experiences with ELR designation.

**World 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 world languages approved placement instrument; (c) score a 4 or 5 on an AP language exam or similar. 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. Consideration for Phi Beta Kappa membership requires completion of one intermediate world language course, placement beyond that level or equivalent proficiency.

**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 world 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 service studies, political science, psychology, & sociology/anthropology.

**Science/Analysis** *(Lab: ___)* *CSC 130* (8 s.h.)  

Eight hours chosen from one or more of the following: mathematics/statistics, science, computer science and information science. At least one course must be a physical or biological laboratory science.

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

(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.

**COR Interdisciplinary Capstone Seminar** * (4 s.h.)  

300-400 level COR course; requires junior/senior status.

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### Major Requirements

A minimum of 64 s.h. in the following courses is required.

- **CSC 130 (4)** – Computer Science I
- **CSC 230 (4)** – Computer Science II
- **CSC 303 (4)** – Mobile Computing
- **CSC 330 (4)** – Computer Science III
- **CSC 313 (4)** - Algorithm Analysis
- **CSC 335 (4)** – Programming Languages
- **CSC 443 (4)** - Computer Systems
- **CSC 462 (4)** – Software Development/Capstone
- **MTH 241 (4)** – Discrete Structures

Choose one course (4 s.h.) from the following:

- **MTH 251 (4)** – Calculus II
- **MTH 349 (4)** – Applied Matrix Theory

Choose one course (4 s.h.) beyond core math requirement:

- **Probability/Statistics**: If core math requirement was MTH 151 then MTH 110 - General Statistics or a probability and / or statistics course.

**-OR-**

- **Quantitative Analysis**: If core math requirement was MTH 110 then MTH 151- Calculus I

Choose three (12 s.h.) courses from the following:

- **CSC 410 (4)** – Artificial Intelligence
- **CSC 420 (4)** – Game Programming and Computer Graphics
- **CSC 430 (4)** - Advanced Programming Concepts
- **CSC 431 (4)** – High Performance Computing
- **CSC 445 (4)** – Numerical Analysis
- **CSC 499 (4)** – Research
- **CSC 300-400 level elective**

Choose 8 s.h. from one of the following 2-course sequence:

- **PHYS 121 (4)** – University Physics I and Lab
- **PHYS 221 (4)** – University Physics II and Lab

**-OR-**

- **BIO 111 & 113 (4)** – Intro. to Cell Biology and Lab
- **BIO 212 & 214 (4)** – Intro. to Population Biology and Lab

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

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*Required in major; may count in General Studies.