General Studies Requirements (58-62 sh)

FIRST-YEAR CORE:

GST 110 - Global Experience (4 s.h.)
ENG 110 - Writing: Argument & Inquiry (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:
[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 service studies, political science, psychology, & sociology/anthropology.

Science * (Lab: ) *CSC 130 (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.)
(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.

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 330 (4) – Computer Science III
_____ CSC 331 (4) – Algorithm Analysis
_____ CSC 335 (4) – Programming Languages
_____ CSC 342 (4) – Computer Systems
_____ CSC 442 (4) – Mobile Computing
_____ CSC 462 (4) – Software Development/Capstone
_____ MTH 206 (4) – Discrete Structures

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

MTH 221 (4) – Calculus II
MTH 306 (4) – Applied Matrix Theory

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

_____ Probability/Statistics: If core math requirement was MTH 121 then MTH 112 - General Statistics or a probability and/or statistics course.

-OR-

_____ Quantitative Analysis: If core math requirement was MTH 112 then MTH 121- Calculus I

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

CSC 410 (4) – Artificial Intelligence
CSC 415 (4) – Numerical Analysis
CSC 420 (4) – Game Programming and Computer Graphics
CSC 430 (4) – Advanced Programming Concepts
CSC 431 (4) – High Performance Computing
CSC 499 (4) – Research
CSC 300-400 level elective

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

_____ *CHM 111 (4) – Gen. Chemistry I and Lab
CHM 112 (4) – Gen. Chemistry II and Lab

-OR-

_____ *PHY 221 (4) – University Physics I and lab
PHY 222 (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.)

*Required in major; may count in General Studies.