

Name _____ I.D. # _____ H.S. deficiencies: Math _____ Foreign Language _____

General Studies Requirements

(General Studies must total at least 58 s.h.)

FIRST-YEAR CORE:

GST 110 - Global Experience (4 s.h.) _____

ENG 110 - College Writing (4 s.h.) _____
(C- or better required for graduation)MTH 112 or 121 or 212 (4 s.h.) *MTH 121 _____

HED 111 - Contemp. Wellness Issues (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: placing beyond FL 122 on the CAPE placement test, completing a 122-level language course, completing a semester or summer in a university-approved program in a non-English speaking country with language study at the 122-level or above, scoring 4 or 5 on an Advanced Placement exam. Students are expected to complete this requirement by the end of their sophomore year.

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. Students taking foreign language courses to meet Elon's proficiency requirement may only apply 4 s.h. of that coursework toward Civilization.]**Society** _____ (8 s.h.) _____[Eight hours chosen from at least two of the following: economics, geography, political science, psychology, & sociology/anthropology.]**Science** *CHM 111/113 (Lab: _____) *CHM 112/114 (8 s.h.) _____[Eight hours chosen from one or more of the following: mathematics, science, and computer science (*must have the CSC department 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 courses outside the major field chosen from departments and areas listed 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 61-65 s.h. in the following courses is required.

_____BIO 111 (3) - Introductory Cell Bio
_____BIO 113 (1) - Cell Biology Lab
_____BIO 112 (3) - Introductory Population Bio
_____BIO 114 (1) - Population Biology Lab_____*CHM 111 (3) - General Chemistry I
_____*CHM 113 (1) - General Chemistry I Lab
_____*CHM 112 (3) - General Chemistry II
_____*CHM 114 (1) - General Chemistry II Lab**-OR-****(CHM 115 and 116 can be taken in place of CHM 111, 112, 113, 114 – reducing the number of required hours to 61 s.h.)**_____*MTH 121 (4) - Calculus & Analytic Geometry I
_____BIO 245 (4) – Principles of Genetics_____PHY 111 (4) – General Physics I
_____PHY 112 (4) – General Physics II**-OR-**_____PHY 113 (4) - General Physics I w/Calculus
_____PHY 114 (4) - General Physics II w/Calculus_____CHM 211 (3) - Organic Chemistry I
_____CHM 213 (1) - Organic Chemistry I Lab
_____CHM 212 (3) - Organic Chemistry II
_____CHM 214 (1) - Organic Chemistry II Lab
_____CHM 311 (4) - Quantitative Analysis
_____CHM 351 (3) – Biochemistry I
_____CHM 352 (1) – Biochemistry lab
_____CHM 353 (3) – Advanced Biochemistry
_____CHM 354 (1) – Advanced Biochemistry lab
_____CHM 495 (3) - Senior Seminar in BiochemistryStudents must take a minimum of 10 hours with at least 4 hours from CHM and 4 hours from BIO¹_____BIO 321 (4) Microbiology
_____BIO 422 (4) Molecular and Cellular Biology
_____BIO 445 (4) Advanced Genetics
_____BIO 499^{2,3} (1-4) Research
_____CHM 321 (4) Instrumental Analysis
_____CHM 332 (4) Physical Chemistry I
_____CHM 334⁴ (4) Physical Chemistry II
_____CHM 472³ (2-4) Special Topics: NMR
_____CHM 473³ (2-4) Special Topics: Medicinal Chemistry
_____CHM 499^{2,3} (1-3) Research¹ Other electives can be substituted with department approval.² BIO/CHM 499 must be approved by the coordinator.³ Special topics courses (2 sh each) and BIO/CHM 499 can count up to 4 sh for the major.⁴ MTH 221 is a prerequisite for this optional course.**Students majoring in Biochemistry may not declare a minor in either Biology or Chemistry.**_____Major Total (s.h.) _____