General Studies Requirements (58-62 sh)

FIRST-YEAR CORE:

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

ENG 110 - Writing: Argument & Inquiry (4 s.h.)
(C- or better required for graduation)

MTH 112 or 121 or 212 (4 s.h.) *MTH 212

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 credit through the course or approved placement; (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*BIO 111/113 (Lab: _ ) *BIO 131 (8 s.h.)

[Eight hours chosen from one or more of the following: mathematics, science, 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 66-68 s.h. in the following courses is required.

**CORE COURSES (36 s.h.):**

---*BIO 111/113 (4) - Introductory Cell Biology & lab
---*BIO 131 (4) - Biodiversity
---BIO 212/214 (4) - Population Biology & lab
---BIO 245/246 (4) - Principles of Genetics& lab
---BIO 261 (2) - Introductory Seminar
---Integrative Biology Elective (300/400) (4)
---BIO 462 (2) – Senior Seminar

---CHM 111 (4) - General Chemistry I with lab
---CHM 112 (4) - General Chemistry II with lab

---*MTH 212 (4) – Statistics in Application

---A required experiential component selected from:
(a) internship
(b) research

Select one concentration –

**Integrative Biology Concentration (30 s.h.)**

---PHY 201 (4) – General Physics I & lab
---PHY 202 (4) – General Physics II & lab
---BIO 262 (2) – Experimental Design

16 s.h. of 200-400 level biology electives from the following:

<table>
<thead>
<tr>
<th>BIO 315</th>
<th>BIO 316</th>
<th>BIO 318</th>
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<tbody>
<tr>
<td>BIO 321</td>
<td>BIO 331</td>
<td>BIO 333</td>
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<tr>
<td>BIO 334</td>
<td>BIO 335</td>
<td>BIO 342</td>
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<td>BIO 344</td>
<td>BIO 346</td>
<td>BIO 347</td>
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<tr>
<td>BIO 350</td>
<td>BIO 37X</td>
<td>BIO 442</td>
</tr>
<tr>
<td>BIO 499</td>
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</tbody>
</table>

4 s.h. from the following Biotechnology/Molecular courses:

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<thead>
<tr>
<th>BIO 254</th>
<th>BIO 348</th>
<th>BIO 361</th>
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</thead>
<tbody>
<tr>
<td>BIO 371</td>
<td>BIO 373</td>
<td>BIO 328</td>
</tr>
<tr>
<td>BIO 422</td>
<td>BIO 445</td>
<td>BIO 499</td>
</tr>
</tbody>
</table>

**Foundations for Medical Sciences (32 sh)**

Choose either Human / Veterinary path or Allied Health / Therapy path:

**Human/Veterinary (16 s.h.)**

---CHM 211 (4) – Organic Chemistry I & lab
---CHM 212 (4) – Organic Chemistry II & lab
---PHY 201 (4) – General Physics I & lab
---PHY 202 (4) – General Physics II & lab

**-OR-**

**Allied Health / Therapy (8 s.h.)**

Choose 8 sh from CHM 211, PHY 201, BIO 263, BIO 264

(Foundations for Medical Sciences - requirements continued on page 2 …)
In addition, students are to complete 16 sh (for Human / Veterinary path) or 24 sh (for Allied Health / Therapy path) of 200-400 level biology electives listed below:

^CHM 212  BIO 318  BIO 422
^PHY 202  BIO 325  BIO 445
BIO 254  BIO 328  BIO 499
BIO 253  BIO 343  BIO 315
BIO 263  CHM 351  BIO 361
BIO 264  BIO 319  BIO 37X
BIO 321

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Biotechnology / Molecular Biology (32 sh)

--- CHM 211 (4 sh) – Organic Chemistry I & lab
--- CHM 212 (4 sh) – Organic Chemistry II & lab
--- PHY 201 (4 sh) – General Physics I & lab
-OR-
   PHY 221 (4 sh) – University Physics I & lab
--- PHY 202 (4 sh) – General Physics II & lab
-OR-
   PHY 222 (4 sh) – University Physics II & lab
--- BIO 422 (4 sh) – Molecular and Cellular Bio.
--- BIO 348 (4 sh) – Biotechnology
-OR-
   BIO 445 (4 sh) – Advanced Genetics & lab

In addition, students are to complete 8 sh of the following 200-400 level biology electives:

BIO 254  CHM 351  BIO 37X
BIO 321  BIO 361  BIO 445
BIO 327  BIO 328  BIO 499
BIO 348

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---Major Total (s.h.)

^ These courses may be included by students completing the Allied Health or Therapy career path only.
- Students may count up to four semester hours of BIO 499
- Students may count up to eight semester hours from Special Topics Seminars (non-lab BIO courses •300)
- Students may count up to eight semester hours from 200 level BIO elective courses
- Students cannot count both 200 and 300 level courses of the same topics (Biochemistry, Anatomy, Microbiology toward elective credits.)