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

**FIRST-YEAR CORE:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>GST 110 - Global Experience</td>
<td>4</td>
</tr>
<tr>
<td>ENG 110 - College Writing</td>
<td>4</td>
</tr>
</tbody>
</table>

**GST Interdisciplinary Seminar**

(4 s.h.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 112 or 121 or 212</td>
<td>4</td>
</tr>
</tbody>
</table>

**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:**

- May be met by any one of the following: scoring 4 or 5 on a language Advanced Placement test, or scoring similarly on the IB Higher Level exam; placing beyond FL 122 on the CAPE placement test: completing a 122-level language course; or completing a semester or summer in a university approved program in a non-English speaking country that includes a course in language instruction at the 122 level or above. Only 4 s.h. of language study utilized to meet the graduation requirement apply to Civilization category. 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.

**Society**

(8 s.h.)

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

**Science** *(Lab:   )* *(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 38-40 s.h. in the following courses is required.

- *MTH 121 (4) - Calculus & Analytic Geometry I
- *MTH 221 (4) - Calculus & Analytic Geometry II
- *MTH 321 (4) - Calculus & Analytic Geometry III

Complete one of the following concentrations:

**APPLIED MATHEMATICS** (26-28 sh)

- MTH 206 (4) - Discrete Structures
- MTH 306 (4) - Applied Matrix Theory
- MTH 341 (4) - Probability Theory & Statistics
- MTH 212 (4) - Statistics in Application
- MTH 421 (4) - Differential Equations
- MTH 300 / 400 - level course (4)
- *CSC 130 (4) – Computer Science I

Choose from the following: A related experiential/capstone experience approved by the department (2-4 sh). Approved options are:

- MTH 361 (2) - Seminar I
- MTH 481 (1-4) Internship in Mathematics
- MTH 499 (1-4) Independent Research

**PURE MATHEMATICS** (26-28 sh)

- MTH 231 (4) – Mathematical Reasoning
- MTH 311 (4) – Linear Algebra

Math electives to total 12 sh (May include one departmentally approved course from an allied field. At least 4 sh must be 400-level MTH course)

- MTH 361 (2) - Seminar I
- MTH 481 (1-4) Internship in Mathematics
- MTH 499 (1-4) Independent Research

A related course from outside the mathematics department and approved by the mathematics department (such as: CSC 130 Computer Science or PHY 113 General Physics I w/ Calculus)

Choose from the following: A related experiential/capstone experience approved by the department (2-4 sh). Approved options are:

- MTH 361 (2) - Seminar I
- MTH 481 (1-4) Internship in Mathematics
- MTH 499 (1-4) Independent Research

- Major Comprehensive Evaluation
- Major Total (s.h.)