### GENERAL EDUCATION REQUIREMENTS: 51-55 S.H.

#### FOUNDATIONS REQUIREMENTS: 12-15 S.H.
- **ENG 1030 College Composition**: 3 S.H.
- **MATH 1000 Algebra for Coll. Students**: 3 S.H.
- **COMM 1402 Speech Communication As Critical Citizenship**: 3 S.H.
- **GE 2024 Research & Technology**: 3 S.H.

#### DISCIPLINARY & INTERDISCIPLINARY DISTRIBUTION REQUIREMENTS:

**HUMANITIES 9 S.H.**
- *ENG 2403 World Literature*: 3 S.H.
- Fine Arts or Art History: 3 S.H.
- Philosophy or Religion: 3 S.H.
- Foreign Languages*: 3 S.H.
- Music or Theatre: 3 S.H.
- Interdisciplinary: 3 S.H.

**SOCIAL SCIENCES 9 S.H.**
- *HIST 1000 of a Civil Society in America*: 3 S.H.
- PSY 1000 General Psychology: 3 S.H.
- Economics or Geography: 3 S.H.
- Political Science: 3 S.H.
- Sociology or Anthropology: 3 S.H.
- Interdisciplinary: 3 S.H.

**SCIENCE & MATHEMATICS 11 S.H.**
- *MATH 1054 Precalculus*: 3 S.H.
- CHEM 1083 Chemistry I: 4 S.H.
- CHEM 1084 Chemistry II: 4 S.H.

**HEALTH/PHYSICAL EDUCATION 2,3 S.H.**
- ID 1225 Issues Contemporary Health: 3 S.H.
- Physical Education: 1 S.H.

**CONCENTRATION 8 S.H.**
- PHYS 2091 Gen. Physics I: 4 S.H.
- PHYS 2092 Gen. Physics II: 4 S.H.

---

1. Required of all Freshmen and Transfers with fewer than 10 Credits.
2. See prerequisites and equivalencies on page 3.
3. Additional 3 credit course paired with Reading may be required by placement testing.
4. Eng 1030 College Comp, and all major courses and Capstone, require a grade of C or better.

### ADDITIONAL REQUIREMENTS: 3 S.H.
- Math 2411 Calculus I: 3 S.H.

### MAJOR AND CAPSTONE REQUIREMENTS: 44 S.H.
- **ASTR 1100 Intro to Astronomy**: 4 S.H.
- **METR 1300 Intro to Meteorology**: 4 S.H.
- **GEOL 1200 Intro to Geology**: 4 S.H.
- **GEOL 3261 Mineralogy**: 4 S.H.
- **GEOL 3263 Structural Geology**: 4 S.H.
- **GEOL 3264 Invert. Paleontology**: 4 S.H.
- **GEOL 3281 Field Geology I**: 2 S.H.
- **GEOL 4252 Field Geology II**: 2 S.H.
- **GEOL 4265 Petrology**: 4 S.H.

#### MAJOR/GE CAPSTONE COURSE*
(Select either of the following)
- **ES 4953-4954 E.S. Seminar I & II WE**: 4 S.H.
- **ES 4963-4964 E.S.Hon. Sem I & II WE**: 4 S.H.

### MAJOR ELECTIVES: 12 S.H.
(Selected with Departmental Advisement)

### FREE ELECTIVES: 21-25 S.H.
(50% of free electives must be taken at the 3000-4000 level)

---

5. Students whose qualifying score on the placement test makes them eligible to take either Math 1054 or Math 2411, may take that course instead. In that case, either Math 1054 or Math 2411 will count as the General Education requirement and the student may take another 3 or 6 credits in Free Electives to total 124 S.H.
6. Credit granted only upon completion of both semesters of elementary or intermediate foreign language. Three credits may be applied to Humanities, and three credits may be applied to Free Electives.

*Required Distribution Course.
**3 credits satisfy the GE Capstone requirement.
(76101) B.A. in EARTH SCIENCE (Geology Option)

Comments:

Evaluator's Signature_____________________________________________Date_____________

Advisor’s Signature_______________________________________________Date________________

Advisor’s Signature_______________________________________________Date________________

Advisor’s Signature_______________________________________________Date________________

Advisor’s Signature_______________________________________________Date________________

Advisor’s Signature_______________________________________________Date________________

Advisor’s Signature_______________________________________________Date________________

Advisor’s Signature_______________________________________________Date________________

Advisor’s Signature_______________________________________________Date________________

Advisor’s Signature_______________________________________________Date________________

Advisor’s Signature_______________________________________________Date________________

Advisor’s Signature_______________________________________________Date________________

Advisor’s Signature_______________________________________________Date________________

Advisor’s Signature_______________________________________________Date________________

Advisor’s Signature_______________________________________________Date________________

Advisor’s Signature_______________________________________________Date________________

Your major department is located in the Science Building, Room 323, phone (908) 527-2064.

YOU MUST BRING THIS EVALUATION AND YOUR KEAN UNIVERSITY
ADDITIONAL MAJOR INFORMATION AND REQUIREMENTS

GENERAL EDUCATION INFORMATION AND REQUIREMENTS

Testing and Placement
Incoming freshmen and transfer students may be placed in specific GE Foundations, Developmental or ESL courses as a result of testing prior to registration. Students may be exempt from testing due to SAT scores or prior college work.

Prerequisites and Equivalencies for GE Foundations Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Prereq</th>
<th>Equiv</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 1030</td>
<td>Placement testing</td>
<td>ENG 1031/32; 1033/34; 1430; ENG 1020; 1400</td>
</tr>
<tr>
<td>MATH 1000</td>
<td>Placement testing</td>
<td>MATH 1001/02; 1003/04; 1051</td>
</tr>
<tr>
<td>COMM 1402</td>
<td>CS 0411 or 0412 if required by placement testing</td>
<td>ENG 1031/32; 1033/34 May be taken concurrently with ENG 1030</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Equiv: COMM 1400</td>
</tr>
<tr>
<td>GE 2021-2024</td>
<td>Research and Technology is offered as college-based course</td>
<td></td>
</tr>
<tr>
<td>GE 2021</td>
<td>College of BPA</td>
<td></td>
</tr>
<tr>
<td>GE 2022</td>
<td>College of ED</td>
<td></td>
</tr>
<tr>
<td>GE 2023</td>
<td>College of AHSS</td>
<td></td>
</tr>
<tr>
<td>GE 2024</td>
<td>College of NAHS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prereq: ENG 1030 or equivalent</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Equiv: MATH 1000 or equivalent</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Equiv: GE 2020</td>
<td></td>
</tr>
</tbody>
</table>

Course Paired with Reading
Must be taken concurrently with CS 0412 if required by placement testing.

GE Distribution Courses
All courses taken under the General Education Disciplinary/Interdisciplinary Distribution requirements must be selected from the Approved General Education Distribution Course List, printed in Registration Bulletin. These courses are designated as GEHU, GESS, GESM, GEHPE or GECP.

GEHU Humanities
GESS Social Sciences
GESM Science and Mathematics
GEHPE Health and Physical Education
GECP Approved GE Concentration Pairs: Special Disciplinary Pairs and Pairs Across Disciplines

Required GE Distribution Courses
ENG 2403 is a required Humanities Distribution course with an emphasis on diversity.
HIST 1000 is a required Social Sciences Distribution course with an emphasis on diversity.
MATH 1010, 1016, 1054, CPS 1031, 1032 or 1231 may be used to satisfy the Science and Mathematics Distribution requirement.

Foreign Language Credit
The three credits for a foreign language that may satisfy the GE Disciplinary/Interdisciplinary Distribution Requirement are awarded only upon successful completion of two semesters of study at the introductory or intermediate level.

GE Concentration Sequences
A concentration is a two-course sequence in the Liberal Arts and Sciences, outside the major, that builds upon an introductory GE Distribution course. Three different options for satisfying the concentration exist:

1. Two courses in the same discipline at the two thousand level or above;
2. Two courses from different disciplines at the two thousand level or above that cover a similar topic or theme (students taking this second option must obtain approval from the GE office prior to registration);
3. A preapproved pair of courses at the 1000 level or above that is published in the University Bulletin under GECP Distribution courses.

Major/GE Capstone Course
A Capstone course is a major course that satisfies three credits of GE requirements. Each major guide sheet will count three credits for the Capstone as either GE credits or major credits, but not both.

UNIVERSITY REQUIREMENT

Writing-Emphasis Requirement
All students are required to complete one “Writing-Emphasis” course. The “W-E” course must be within the major portion of your program. Consult your major program advisor for specific information.