NAME_______________________________
STUDENT I.D.#______________________
START TERM_________________________

ID 1001 Freshman Seminar\(^1\) ______ 1

**GENERAL EDUCATION REQUIREMENT: 48-52 S.H.**

**FOUNDATIONS REQUIREMENTS\(^2\): 12 S.H.**
- ENG 1030 College Composition\(^3\) ______ 3
- MATH 1000 Algebra for Coll. Students\(^4\) ______ 3
- COMM 1402 Speech Comm As Crit. Cit.____ 3
- GE 2024 Research & Technology_______ 3

**DISCIPLINARY/INTERDISCIPLINARY DISTRIBUTION REQUIREMENTS:**

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

**SOCIAL SCIENCES 9 S.H.**
- HIST 1000 Hist of Civil Soc. in Amer._ 3
- Economics or Geography _________ 3
- Political Science _________ 3
- Psychology _________ 3
- Sociology or Anthropology _________ 3
- Interdisciplinary _________ 3

**SCIENCE & MATHEMATICS 10-11 S.H.**
- MATH 1054 Precalculus\(^1\) ________ 3
- Physics 2091 General Physics I or Physics 2095 Physics I (Recommended) ________ 4
- Biology or Chemistry or Physics or Astronomy, Geology, Meteorology, ES, or Interdisciplinary ________ 3,4

**HEALTH/PHYSICAL EDUCATION 2,3 S.H.**
- ID 1225 Issues Contemporary Health__ 3
- Physical Education______________ 1
- Physical Education______________ 1

**CONCENTRATION\(^5\) 6-8 S.H.**
- ____________________________ 3,4
- ____________________________ 3,4

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\(^1\) Required of all Freshmen and Transfers with fewer than 10 credits.
\(^2\) See prerequisites and equivalencies on page 3.
\(^3\) Eng 1030 College Composition, and all major courses including the Capstone, require a grade of C or better.
\(^4\) 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, Math 1054 or Math 2411 will count as the General Ed requirement and the student may take another 3 or 6 credits as free electives to total 124 S.H.

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**TRANSFER INSTITUTIONS (X) CREDITS**

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**ADDITIONAL REQUIREMENTS 8 S.H.**
- CPS 1231 Fund. of Comp. Sci. ________ 4
- CPS 2231 Comp. Org. & Prog.________ 4

**MAJOR REQUIREMENTS\(^1\) 39 S.H.**

**REQUIRED COURSES 24 S.H.**
- Math 2110 Discrete Structures ________ 3
- Math 2411 Calculus I ________ 3
- Math 2412 Calculus II ________ 3
- Math 2995 Matrix & Linear Algebra ________ 3
- Math 3451 Calculus III ________ 3
- Math 3452 Calculus IV ________ 3
- Math 3455 Differential Equations ________ 3

**MAJOR ELECTIVES 12 S.H.**
(With advisement from 3000-4000 level)

**MAJOR/GE CAPSTONE COURSE\(^1\)**
- Math 4890 Senior Seminar in Math ________ 3

**FREE ELECTIVES: 24-28 S.H.**
(50% of free electives must be taken at the 3000-4000 level)

Additional courses in Computer Science, Physics or other Sciences, Technology, Economics or Management Science recommended.

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\(^5\) Credit granted only upon the completion of two semesters of elementary or intermediate foreign language. Three credits may be applied to Humanities and three credits may be applied to Free Electives.

\(^6\) Not required of students with a second major, minor or collateral.

\(^*\) Required Distribution Course
Evaluator's Signature_____________________________________________Date_______________

Advisor’s Signature_______________________________________________Date_______________

Advisor’s Signature_______________________________________________Date_______________

Advisor’s Signature_______________________________________________Date_______________

Advisor’s Signature_______________________________________________Date_______________

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Advisor’s Signature_______________________________________________Date_______________

Advisor’s Signature_______________________________________________Date_______________

Advisor’s Signature_______________________________________________Date_______________

Your major department is located in the Science Building (C), Room 233, phone (908)737-3700.

YOU MUST BRING THIS EVALUATION AND YOUR KEAN UNIVERSITY TRANSCRIPT TO ALL ADVISING/REGISTRATION SESSIONS.
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;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>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</td>
</tr>
<tr>
<td></td>
<td>May be taken concurrently with ENG 1030</td>
<td></td>
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<tr>
<td></td>
<td>Equiv: COMM 1400</td>
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</tbody>
</table>

GE 2021–2024

Research and Technology is offered as college-based course

<table>
<thead>
<tr>
<th>College</th>
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</thead>
<tbody>
<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>
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<tr>
<td>GE 2023</td>
<td>College of AHSS</td>
<td></td>
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<tr>
<td>GE 2024</td>
<td>College of NAHS</td>
<td></td>
</tr>
<tr>
<td>Prereq:</td>
<td>ENG 1030 or equivalent</td>
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<tr>
<td></td>
<td>MATH 1000 or equivalent</td>
<td></td>
</tr>
<tr>
<td>Equiv:</td>
<td>GE 2020</td>
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</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.

<table>
<thead>
<tr>
<th>GEHU: Humanities</th>
<th>GESS: Social Sciences</th>
<th>GESM: Science and Mathematics</th>
<th>GEHPE: Health and Physical Education</th>
</tr>
</thead>
<tbody>
<tr>
<td>GE Distribution Courses</td>
<td></td>
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<tr>
<td>Required GE Distribution Courses</td>
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<tr>
<td>ENG 2403 is a required Humanities Distribution course with an emphasis on diversity.</td>
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<tr>
<td>HIST 1000 is a required Social Sciences Distribution course with an emphasis on diversity.</td>
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<tr>
<td>MATH 1010, 1016, 1054, CPS 1031, 1032 or 1231 may be used to satisfy the Science and Mathematics Distribution requirement.</td>
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</tbody>
</table>

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.