**KEAN UNIVERSITY**
**COLLEGE OF NATURAL, APPLIED AND HEALTH SCIENCES**
**B.S. INDUSTRIAL TECHNOLOGY (ELECTRONICS OPTION) 130-131 S.H.**
**(EFFECTIVE: 1/03)**

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<th>NAME_______________________________</th>
<th>STUDENT I.D.#______________________</th>
<th>START TERM_________________________</th>
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<tr>
<td>ID 1001 Freshman Seminar(^1)______</td>
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**GENERAL EDUCATION REQUIREMENT:** 53-54 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 Communication As Critical Citizenship ______ 3
- GE 2024 Research & Technology ______ 3

**DISCIPLINARY/INTERDISCIPLINARY DISTRIBUTION REQUIREMENTS:**

**HUMANITIES 9 S.H.**
- ENG 2403 World Literature ______ 3
- (Select two courses from different areas)
  - Fine Arts or Art History ______ 3
  - Philosophy or Religion ______ 3
  - Foreign Languages\(^5\) ______ 3
  - Music or Theatre ______ 3
  - Interdisciplinary ______ 3

**SOCIAL SCIENCES 9 S.H.**
- HIST 1000 History of Civil Society in America ______ 3
- PSY 1000 General Psychology ______ 3
- ECO 1020 Economics I (Macro) ______ 3

**SCIENCE & MATHEMATICS 11 S.H.**
- MATH 1054 Precalculus\(^6\) ______ 3
- CPS 1231 Fundamentals of Comp Sci ______ 4
- Phys 2091 Physics I ______ 4

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

**CONCENTRATION 7 S.H.**
- MATH 2411 Calculus I ______ 3
- PHYS 2092 Physics II ______ 4

**GE/MAJOR CAPSTONE COURSE\(^3\) 3 S.H.**
- TECH 4513 Senior Project Seminar ______ 3

**TRANSFER INSTITUTIONS (X) CREDITS**

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<th>TRANSFER INSTITUTIONS (X)</th>
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<th>In Progress ()_________</th>
<th>Kean University( )________</th>
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**ADDITIONAL REQUIREMENTS 3 S.H.**
- ECO 1021 Economics II (Micro) ______ 3

**MAJOR REQUIREMENTS\(^3\): 73 S.H.**

**CORE REQUIREMENTS\(^3\) 13 S.H.**
- TECH 1200 Introduction to CAD ______ 4
- TECH 2920 Computer in Technology ______ 3
- TECH 2900 Prep. of Technical Documents WE ______ 3
- TECH 3220 CAD I ______ 3

**AREA OF SPECIALIZATION\(^3\) 33 S.H.**
- TECH 1500 Intro to Telecommunications ______ 3
- TECH 2504 Digital Circuits & Systems ______ 4
- TECH 2506 Data Communication Technology ______ 3
- TECH 2508 Solid-State Devices ______ 4
- TECH 3510 Microprocessor Theory & Appl. ______ 4
- TECH 4511 Microcontrollers & PLC ______ 3
- TECH 4520 RF Circuit Analysis & Design ______ 3
- TECH 4525 Digital Signal Processing ______ 3
- TECH Electronics Elective ______ 3
- TECH Elective ______ 3

**MANAGEMENT\(^3\) 15 S.H.**
- ACCT 2200 Principles of Accounting ______ 3
- MGS 3030 Human Resource Management ______ 3
- MGS 3410 Basic Marketing ______ 3
- FIN 3310 Management of Corp. Finance I ______ 3
- TECH 3900 Ind. Stat. & Quality Cont. ______ 3

**MAJOR GUIDED ELECTIVES\(^3\): 12 S.H.**

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<th>MAJOR GUIDED ELECTIVES(^3): 12 S.H.</th>
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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 Guided Electives and 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 either course instead. In that case, Math 1054 or Math 2411 will count as the Gen Ed requirement, and the student may take 3 or 6 credits as Free Electives to total 130 sh.
Credit granted only upon completion of both semesters of elementary or intermediate foreign language.

*Required Distribution Course
(28202) B.S. INDUSTRIAL TECHNOLOGY (Electronics Option)

Comments:


Evaluator's Signature_____________________________________________Date_____________

Advisor’s Signature_____________________________________________Date_____________

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Your major department is located in the Technology Building (H), Room H-110 phone (908)737-3500.

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

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<tr>
<th>Course</th>
<th>Prereq:</th>
<th>Equiv:</th>
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<tr>
<td>ENG 1030</td>
<td>Placement testing</td>
<td>ENG 1031/32; 1033/34; 1430; ENG 1020; 1400</td>
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<tr>
<td>MATH 1000</td>
<td>Placement testing</td>
<td>MATH 1001/02; 1003/04; 1051</td>
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<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>
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<td>COMM 1400</td>
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GE 2021-2024 Research and Technology is offered as college-based course

GE 2021 College of BPA
GE 2022 College of ED
GE 2023 College of AHSS
GE 2024 College of NAHS

Prereq: ENG 1030 or equivalent MATH 1000 or equivalent

Equivalent: GE 2020

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.