# B.S. Industrial Technology (CIDM Option)

**EFFECTIVE: 1/03**

## Name_______________________________

## Student I.D.#______________________

## Start Term_________________________

### ID 1001 Freshman Seminar

1

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### General Education Requirement: 53-54 S.H.

#### Foundations Requirements: 12 S.H.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENG 1030 College Composition</td>
<td>3</td>
</tr>
<tr>
<td>Math 1000 Algebra for Coll. Students</td>
<td>3</td>
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<tr>
<td>COMM 1402 Speech Communication As</td>
<td>3</td>
</tr>
<tr>
<td>Critical Citizenship</td>
<td>3</td>
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<tr>
<td>GE 2024 Research &amp; Technology</td>
<td>3</td>
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</tbody>
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#### Disciplinary/Interdisciplinary Distribution Requirements: 9 S.H.

- Eng 2403 World Literature
- Select two courses from different areas
- Philosophies of Religion
- Foreign Languages
- Music or Theatre
- Interdisciplinary

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### Social Sciences: 9 S.H.

- HIST 1000 History of Civil Society in America
- PSY 1000 General Psychology
- Eco 1020 Economics I (Macro)

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### Science & Mathematics: 11 S.H.

- Math 1054 Precalculus
- CPS 1231 Fundamentals of Comp. Sci.
- Phys 2091 Physics I

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### Health/Physical Education: 2,3 S.H.

- ID 1225 Issues Contemporary Health
- Physical Education
- Physical Education

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### Concentration: 7 S.H.

- Math 2411 Calculus I
- Phys 2092 Physics II

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### GE/Major Capstone Course: 3 S.H.

- TECH 4450 Comp. Integrated Design & Mfg.

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### Transfer Institutions (X)

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<tr>
<th>Institution</th>
<th>Credits</th>
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<td>In Progress ()</td>
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<td>Kean University ()</td>
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### Additional Requirements: 3 S.H.

- ECO 1021 Economics II (Micro)

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### Major Requirements: 74 S.H.

#### Core Requirements: 13 S.H.

- TECH 1200 Introduction to CAD
- TECH 2421 Materials & Automated Process
- TECH 2900 Prep. of Technical Documents
- TECH 2920 Computer in Technology

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#### Area of Specialization: 34 S.H.

- TECH 2404 Machine Tool Production
- TECH 2410 Computer Anim./Rapid Prototyping
- TECH 2415 CAM/CNC
- TECH 3430 CAD/CAM
- TECH 3439 Comp. Integ. Machine Elem. Design
- TECH 4415 Computer Automated Systems
- TECH 4421 Comp. Prod. & Inv.Con. Mgt.
- TECH 4425 CIM Programming & Database
- TECH 4442 Prod. Measurement Improvement
- TECH Elective

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#### Management: 15 S.H.

- ACCT 2200 Principles of Accounting
- MGS 3030 Human Resource Management
- MGS 3410 Basic Marketing
- FIN 3310 Management of Corp. Finance I
- TECH 3900 Ind. Stat. & Quality Cont.

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#### Major Guided Electives: 12 S.H.

- | Course                                | Credits |
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</tbody>
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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 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 that course instead. In that case, either 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 131 s.h.
5. Credit granted only upon completion of both semesters of elementary or intermediate foreign language.
*Required Distribution Course
(28204) B.S. INDUSTRIAL TECHNOLOGY (CIDM Option)

Comments:

Evaluator's Signature_____________________________________________Date_____________

Advisor'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

<table>
<thead>
<tr>
<th>Course</th>
<th>Prereq</th>
<th>Equiv</th>
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<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>
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<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>
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<tr>
<td>GE 2021</td>
<td>College of BPA</td>
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<tr>
<td>GE 2022</td>
<td>College of ED</td>
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<tr>
<td>GE 2023</td>
<td>College of AHSS</td>
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<tr>
<td>GE 2024</td>
<td>College of NAHS</td>
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</tr>
<tr>
<td></td>
<td>Prereq: ENG 1030 or equivalent</td>
<td>MATH 1000 or equivalent</td>
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<tr>
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<td>EQUIV: GE 2020</td>
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</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 GE 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.