

KEAN UNIVERSITY
COLLEGE OF NATURAL, APPLIED AND HEALTH SCIENCES
 (28204) **B.S. INDUSTRIAL TECHNOLOGY (CIDM OPTION)** 131-132 S.H.
 (EFFECTIVE: 1/03)

NAME _____
 STUDENT I.D.# _____
 START TERM _____

TECH 4450 Comp. Integrated Design & Mfg. _____ 3 _____

TRANSFER INSTITUTIONS (X) _____ CREDITS _____

In Progress () _____
 Kean University() _____

ID 1001 Freshman Seminar¹ _____ 1 _____

GENERAL EDUCATION REQUIREMENT: 53-54 S.H

FOUNDATIONS REQUIREMENTS²: 12 S.H.

ENG 1030 College Composition³ _____ 3 _____

MATH 1000 Algebra for Coll. Students⁴ 3 _____

COMM 1402 Speech Communication As
 Critical Citizenship _____ 3 _____

GE 2024 Research & Technology _____ 3 _____

ADDITIONAL REQUIREMENTS 3 S.H.

ECO 1021 Economics II (Micro) _____ 3 _____

MAJOR REQUIREMENTS³ 74 S.H.

CORE REQUIREMENTS³ 13 S.H.

TECH 1200 Introduction to CAD _____ 4 _____

TECH 2421 Materials & Automated Process _____ 3 _____

TECH 2900 Prep. of Technical Documents WE _____ 3 _____

TECH 2920 Computer in 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 Languages⁵ _____ 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 Precalculus⁴ _____ 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 COURSE³ 3 S.H.

AREA OF SPECIALIZATION³ 34 S.H.

TECH 2404 Machine Tool Production _____ 3 _____

TECH 2410 Computer Anim./Rapid Prototyping _____ 3 _____

TECH 2415 CAM/CNC _____ 4 _____

TECH 3430 CAD/CAM _____ 3 _____

TECH 3439 Comp. Integ. Machine Elem. Design _____ 3 _____

TECH 4415 Computer Automated Systems _____ 3 _____

TECH 4421 Comp. Integ. Prod. & Inv.Con. Mgt. _____ 3 _____

TECH 4425 CIM Programming & Database _____ 3 _____

TECH 4440 Robotics & Non-trad. Mfg. _____ 3 _____

TECH 4442 Prod. Measurement Improvement _____ 3 _____

TECH Elective _____ 3 _____

MANAGEMENT³ 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 ELECTIVES³: 12 S.H.

(OVER)

¹Required of all Freshmen and Transfers with fewer than 10 credits.

²See 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 131sh.

⁵Credit 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 _____

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 _____

Advisor's Signature _____ Date _____

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

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

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

ENG 1030

Prereq: Placement testing
Equiv: ENG 1031/32; 1033/34; 1430;
ENG 1020; 1400

MATH 1000

Prereq: Placement testing
Equiv: MATH 1001/02; 1003/04; 1051

COMM 1402

Prereq: CS 0411 or 0412 if required by
placement testing
ENG 1031/32; 1033/34
May be taken concurrently with
ENG 1030
Equiv: COMM 1400

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

Equiv: 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

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.