

**KEENE STATE COLLEGE  
BACHELOR OF SCIENCE  
TECHNOLOGY STUDIES  
PRODUCT DESIGN AND DEVELOPMENT OPTION**

It is the student's responsibility to follow the **official** requirements of their degree, which are found in the Keene State College catalog. This planning sheet is for advising purposes.

Name: \_\_\_\_\_ Student I.D.#: \_\_\_\_\_

Institution(s) Attended: \_\_\_\_\_ Credits: \_\_\_\_\_

\_\_\_\_\_ Update: \_\_\_\_\_ =

I. **GENERAL EDUCATION** 42 CREDITS

A. **English Language Competence:** ENG 101 is required of all students.

ENG 101: \_\_\_\_\_

B. **Arts & Humanities:** A minimum of five courses totaling at least 15 credits as follows:

One course in Literature \_\_\_\_\_

Any English course other than Eng. 101, 202, 203, 204, 205, 301, 302, 303, 310, 311, 382, 411, 412, 413, or 414. FR 340 or FR, GER or SP 498 (when topics focus on French, German or Spanish literature).

HIST \_\_\_\_\_ ART, COMM, FILM, MU or TAD \_\_\_\_\_

Two courses from Arts & Humanities disciplines: AMST, ART, COMM, ENG, FILM, FR, GER, HIST, JRN, ML, MU, PHIL, SP, TAD or an approved interdisciplinary course (designated IDSS).

\_\_\_\_\_

C. **Social Sciences:** A minimum of four courses totaling at least 12 credits in **three** or more of the Social Science disciplines: ECON, GEOG, POSC, PSYC, SOC or an approved interdisciplinary course (designated IDSS).

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\_\_\_\_\_

D. **Sciences/Math:** A minimum of four courses totaling at least 12 credits as follows: One course in BIOLOGY. One course in a PHYSICAL SCIENCE (ASTR, CHEM, GEOL, MET, PHYS). Two courses from Sciences/Math disciplines: ASTR, BIO, CHEM, CS, ENST, GEOL, MATH, MET, PHYS or an approved interdisciplinary course (designated IDSM).

BIO \_\_\_\_\_ 3 PHYSICAL SCIENCE \_\_\_\_\_ 3

\_\_\_\_\_ 3 MATH 120: Inter. Alg & Trig \_\_\_\_\_ 3

**II. PRODUCT DESIGN AND DEVELOPMENT (39 credits)**

**TDS CORE (6 credits) {Select two of the following}**

TDS 100: Exploring Technology \_\_\_\_\_ 3  
TDS 140: Introduction to Visual Communication \_\_\_\_\_ 3  
TDS 181: Safety Awareness \_\_\_\_\_ 3

**PRODUCT DESIGN & DEVELOPMENT FOUNDATION (12 credits)**

TDS 101: Manufacturing Processes \_\_\_\_\_ 3  
TDS 110 : Electricity and Electronic Fundamentals \_\_\_\_\_ 3  
TDS 152: Product Design I \_\_\_\_\_ 3  
TDS 252: Product Design II \_\_\_\_\_ 3

**PRODUCT DESIGN & DEVELOPMENT ELECTIVES (18 credits)**

In consultation with a TDS advisor, students select courses of career interest to form a technical concentration. Possible focus areas include: CAD/CAM, mechanical design, electro-mechanical technology, and product design. **Note: 12 credits must be 200 level or above.**

Choose from: TDS 113, 121, 153, 160, 170, 210, 212, 214, 217, 218, 222, 228, 251, 253, 257, 270, 290, 311, 312, 313, 320, 328, 352, 353, 410, 420, 421, 422, or 490.

\_\_\_\_\_ 3 \_\_\_\_\_ 3  
\_\_\_\_\_ 3 \_\_\_\_\_ 3  
\_\_\_\_\_ 3 \_\_\_\_\_ 3

**PRODUCT DESIGN & DEVELOPMENT CAPSTONE (3 credits) {Select one of the following}**

TDS 400: Manufacturing Enterprise \_\_\_\_\_ 3  
TDS 452: Product Design IV \_\_\_\_\_ 3

**MINOR**

Students are encouraged to complete a minor or an organized cluster of courses related to their career interest. Suggested areas are: Applied Computer Science, Management, Art and Occupational Safety.

**III. ELECTIVES:**

Pick additional courses of your choice to bring your total number of credits earned to 126.

If you wish to use transferred courses toward major/minor requirements you must use the Course Substitution Process. Come to the Academic Advising Center for more information.

