

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 the degree, 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, 208, 301, 302, 303, 304, 308, 312.

FR, GER or SP 498 are appropriate 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 (WS 201\* or an IDAH course).

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 (WS 201\* or an IDSS course ).

\_\_\_\_\_  
 \_\_\_\_\_

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). MATH 120 is required for the Major. One additional course from Sciences/Math disciplines: ASTR, BIO, CHEM, CS, ENST, GEOL, MATH, MET, PHYS or an approved interdisciplinary course (IDSM).

BIO \_\_\_\_\_ \_3\_ PHYSICAL SCIENCE \_\_\_\_\_ \_3\_

\_\_\_\_\_ \_3\_ MATH 120: Inter. Alg & Trig \_\_\_\_\_ \_3\_

\*WS 201 may be used only once, to fulfill either an Arts & Humanities or Social Sciences General Education requirement.

**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 Safety Studies.

**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 and Career Advising Center for more information.