

# DESIGN TECHNOLOGY (DNTC)

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**DNTC 399. DIRECTED STUDY. 1-5 Credits.**

**Cross-listed:** CMTC 399, APTC 399, MNTC 399, TECH 399.

**Pre-requisites:** permission of the instructor, department chair and college dean.  
Directed Study.

**DNTC 490. SENIOR CAPSTONE: PRODUCTION LAB. 2 Credits.**

**Cross-listed:** APTC 490, CMTC 490, TECH 490, MNTC 490.

**Notes:** the course simulates a real world design team concept by utilizing a design group that contains members of different program majors.

**Pre-requisites:** senior standing. Corequisite: APTC 490L, CMTC 490L, DNTC 490L, MNTC 490L, or TECH 490L.

**Satisfies:** a university graduation requirement—senior capstone.

Simulates the real world situation that graduates face. Students work in teams to apply techniques of production management, product design/development, plant layout, scheduling, cost accounting, assembly, inspection, and quality control to produce a product. Each student team produces a new product and a final written report to demonstrate how the process and goals of the course have been realized. Companion course to APTC 490L, CMTC 490L, DNTC 490L, MNTC 490L, or TECH 490L.

**DNTC 490L. SENIOR CAPSTONE: PRODUCTION LAB LAB. 2 Credits.**

**Cross-listed:** APTC 490L, CMTC 490L, TECH 490L, MNTC 490L.

**Pre-requisites:** senior standing. Corequisite: APTC 490, CMTC 490, DNTC 490, MNTC 490, or TECH 490.

Companion lab to APTC 490, CMTC 490, DNTC 490, MNTC 490, or TECH 490.

**DNTC 491. SENIOR PROJECT. 4-6 Credits.**

**Cross-listed:** APTC 491, CMTC 491, TECH 491, MNTC 491.

**Pre-requisites:** senior standing.

Independent and/or group study and implementation of a design and development project. (variable time).

**DNTC 495. INTERNSHIP. 1-15 Credits.**

**Cross-listed:** APTC 495, CMTC 495, TECH 495, MNTC 495.

**Notes:** Graded Pass/Fail. This course may be repeated.

**Pre-requisites:** junior or senior status and permission of the instructor, department chair and dean.

A maximum of 5 credits may be earned toward electives for a Technology major. Students considering electives for a Technology minor should consult with their departmental advisor.

**DNTC 496. EXPERIMENTAL COURSE. 1-6 Credits.**

**Cross-listed:** APTC 496, CMTC 496, TECH 496, MNTC 496.

Experimental Course.

**DNTC 497. WORKSHOP, SHORT COURSE, CONFERENCE, SEMINAR. 1-6 Credits.**

**Cross-listed:** APTC 497, CMTC 497, TECH 497, MNTC 497.

Workshop, short course, conference, or seminar.

**DNTC 498. SEMINAR. 1-6 Credits.**

**Cross-listed:** APTC 498, CMTC 498, TECH 498, MNTC 498.

Seminar.

**DNTC 499. DIRECTED STUDY. 1-5 Credits.**

**Cross-listed:** APTC 499, CMTC 499, TECH 499, MNTC 499.

**Pre-requisites:** permission of the instructor, department chair and college dean.

Designed for students wanting to pursue a subject beyond the scope of regular courses.