



Design Technology A.A. Degree

FULL TIME

This program roadmap represents one possible pathway to complete the program. **Please see a counselor** to create an education plan that is customized to meet your needs. This roadmap is not a guarantee of course availability or financial aid applicability.

Catalog: 2025-26

GE Pattern: local AA/AS

Total Units: 61

Start Term: Fall

First Year

Semester 1 (Fall)

15 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	DESIGN 300 Introduction to Design Resources	3		
Req	DESIGN 301¹ Introduction to Computer Aided Drafting and Design (CADD)	3		
Req	DESIGN 320 Three Dimensional Graphics and Design	3		
GE	ENGL C1000 Academic Reading and Writing or ENGL C1000H^H Academic Reading and Writing - Honors	3 3		L1A
GE	any Area L3 (Arts & Humanities) course	3		L3

¹Skills covered in DESIGN 301 are often learned in high school drafting courses, as well as by other means. Contact the Design Technology department chair about earning credit by exam.

Semester 2 (Spring)

15 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	DESIGN 302 Technical Documentation with CADD	3	DESIGN 301	
Req	DESIGN 325 Architectural Modeling and Design	3	DESIGN 301	
Req	DESIGN 328 Engineering Modeling and Design	3	DESIGN 301	
GE	MATH 300 Introduction to Mathematical Ideas	3		L2
GE	any Area L5 (Natural Sciences) course	3		L5

Second Year

Semester 3 (Fall)

15 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	DESIGN 310 Graphic Analysis and Documentation	3	DESIGN 301	

CAREER PATH

Career Options:

Holders of a Design Technology degree are capable of working under a large number of job titles requiring the skills provided by this certificate, including

- CADD
- Computer Aided Drafting/Design
- Revit / BIM
- AutoCad, Inventor, Revit, Navisworks, Sketch-Up (software packages)
- Designer, Drafter, Detailer, Specialist (job descriptions)

[Link to local employment information](#)

Advising Notes:

- This degree can be completed using either the [local AA/AS](#) general education (GE) pattern or the [Cal-G ETC](#) transfer GE pattern. [See a counselor](#) to determine which pattern is best for you based on your academic goals.
- Students can substitute ESLW 340 for ENGL C1000/C1000H (formerly known as ENGWR 300/480).

Scheduling Notes:

- DESIGN 310, 340, 351, and 352 are offered in the fall.
- DESIGN 325, 328, 331, 360, and 361 are offered in the spring.
- DESIGN 351 is offered during the 1st 8 weeks and DESIGN 352 is offered

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	DESIGN 340 Architecture and Construction	4	(see below)	
Req	DESIGN 351 Surveying For Architectural Design	2	(see below)	
Req	DESIGN 352 Land Planning For Architectural Design	2		
GE	any Area L7A (Physical Education) course	1		L7A
GE	any Area L4 (Social & Behavioral Sciences) course	3		L4

DESIGN 340 prerequisite: DESIGN 301, DESIGN 302, DESIGN 300 or 320, and DESIGN 325 or 328

DESIGN 351 prerequisite: DESIGN 301, and DESIGN 325, DESIGN 328 or HORT 329

Semester 4 (Spring)

16 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	DESIGN 331 Machine Design	2	(see below)	
Req	DESIGN 360 Commercial Engineering Design and Drafting	4	(see below)	
Req	DESIGN 361 Commercial MEP Design	2	(see below)	
GE	any Area L1B (Oral Communication & Critical Thinking) course	3		L1B
GE	any Area L6 (Ethnic Studies) course	3		L6
GE	DESIGN 498 Work Experience in Design Technology	2		L7B

DESIGN 331 prerequisite: DESIGN 301, 302, 310, and 328

DESIGN 360 prerequisite: DESIGN 302, and DESIGN 300 or 320, and DESIGN 325 or 328

DESIGN 361 prerequisite: DESIGN 300, 301, 302, 310, and 328

^H honors courses

during the 2nd 8 weeks, so they can be taken in the same semester.

- DESIGN 331 is offered during the 1st 8 weeks and DESIGN 361 is offered during the 2nd 8 weeks, so they can be taken in the same semester.
- This degree can be started in the spring as well. See a counselor to adjust the course work.

Other Notes:

- This program is designed for students to directly enter the workforce. Students wishing to transfer to pursue a Bachelor's degree should meet with a counselor or to select the appropriate courses, because colleges vary widely in terms of their required coursework. Students should also keep a portfolio of all of their design/ engineering technology projects to present for evaluation by college advisors.
- An internship (DESIGN 498) is highly recommended as it opens up potential employment opportunities. Students can earn between 0.5 – 4.0 units for related paid or unpaid work experience including volunteer and internship positions through DESIGN 498. This course also works toward satisfying GE Area L7B. See the Work Experience website for more information.

EXPLANATION OF CATEGORIES

Req	Required Core	A course that is required for this program
GE	General Education	A course that fulfills a specific general education requirement for a degree, which can be replaced with another course that meets the same requirement