



# Design Technology Certificate

PART 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

Total Units: 37

Start Term: Fall

## First Year

### Semester 1 (Fall)

9 Units

CAT.	COURSE	UNIT	PREREQUISITES
Req	<b>DESN 300</b> Introduction to Design Resources	3	
Req	<b>DESN 301<sup>1</sup></b> Introduction to Computer Aided Drafting and Design (CADD)	3	
Req	<b>DESN 320</b> Three Dimensional Graphics and Design	3	

<sup>1</sup> Skills covered in DESN 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)

9 Units

CAT.	COURSE	UNIT	PREREQUISITES
Req	<b>DESN 302</b> Technical Documentation with CADD	3	DESN 301
Req	<b>DESN 325</b> Architectural Modeling and Design	3	DESN 301
Req	<b>DESN 328</b> Engineering Modeling and Design	3	DESN 301

## Second Year

### Semester 3 (Fall)

11 Units

CAT.	COURSE	UNIT	PREREQUISITES
Req	<b>DESN 310</b> Graphic Analysis and Documentation	3	DESN 301
Req	<b>DESN 340</b> Architecture and Construction	4	(see below)
Req	<b>DESN 351</b> Surveying For Architectural Design	2	(see below)
Req	<b>DESN 352</b> Land Planning For Architectural Design	2	

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

**DESN 351 prerequisite:** DESN 301, and DESN 325, DESN 328 or HORT 329

### Semester 4 (Spring)

8 Units

## CAREER PATH

### Career Options:

Holders of a Design Technology certificate 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](#)

### Scheduling Notes:

- DESN 310, 340, 351, and 352 are offered in the fall.
- DESN 351 is offered during the 1<sup>st</sup> 8 weeks and DESN 352 is offered during the 2<sup>nd</sup> 8 weeks, so they can be taken in the same semester.
- DESN 325, 328, 331, 360, and 361 are offered in the spring.
- DESN 331 is offered during the 1<sup>st</sup> 8 weeks and DESN 361 is offered during the 2<sup>nd</sup> 8 weeks, so they can be taken in the same semester.

### Other Notes:

- This certificate can be started in the spring as well. [See a counselor](#) to adjust the course work.

CAT.	COURSE	UNIT	PREREQUISITES
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)

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

EXPLANATION OF CATEGORIES		
Req	Required Core	A course that is required for this program