



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	DESGN 300 Introduction to Design Resources	3	
Req	DESGN 301 ¹ Introduction to Computer Aided Drafting and Design (CADD)	3	
Req	DESGN 320 Three Dimensional Graphics and Design	3	

¹ Skills covered in DESGN 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	DESGN 302 Technical Documentation with CADD	3	DESGN 301
Req	DESGN 325 Architectural Modeling and Design	3	DESGN 301
Req	DESGN 328 Engineering Modeling and Design	3	DESGN 301

Second Year

Semester 3 (Fall) 11 Units

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

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

DESGN 351 prerequisite: DESGN 301, and DESGN 325, DESGN 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:

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

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