



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: 2024-25

Total Units: 37

Start Term: Fall

First Year

Semester 1 (Fall) 9 Units

CAT.	COURSE	TITLE	UNIT
Req	DESN 300	Introduction to Design Resources	3
Req	DESN 301 ¹	Introduction to Computer Aided Drafting and Design (CADD)	3
Req	DESN 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	TITLE	UNIT
Req	DESN 302	Technical Documentation with CADD	3
Req	DESN 325	Architectural Modeling and Design	3
Req	DESN 328	Engineering Modeling and Design	3

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](#)

Second Year

Semester 3 (Fall) 11 Units

CAT.	COURSE	TITLE	UNIT
Req	DESN 310	Graphic Analysis and Documentation	3
Req	DESN 340	Architecture and Construction	4
Req	DESN 351	Surveying For Architectural Design	2
Req	DESN 352	Land Planning For Architectural Design	2

Semester 4 (Spring) 8 Units

CAT.	COURSE	TITLE	UNIT
Req	DESN 331	Machine Design	2
Req	DESN 360	Commercial Engineering Design and Drafting	4
Req	DESN 361	Commercial MEP Design	2

Scheduling Notes:

- DESGN 310, 340, 351, and 352 are offered in the fall.
- DESGN 325, 328, 331, 360, and 361 are offered in the spring.
- 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 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.

EXPLANATION OF CATEGORIES

Req	Required Core	A course that is required for this program
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