



Engineering 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: 33

Start Term: Fall

First Year

Semester 1 (Fall)

9 Units

CAT.	COURSE	UNIT	PREREQUISITES
Req	DESN 300 Introduction to Design Resources	3	
Req	DESN 301 Introduction to Computer Aided Drafting and Design (CADD)	3	
RE	PHYS 310 Conceptual Physics	3	

Semester 2 (Spring)

6 Units

CAT.	COURSE	UNIT	PREREQUISITES
Req	DESN 302 Technical Documentation with CADD	3	DESN 301
Req	DESN 328 Engineering Modeling and Design	3	DESN 301

Second Year

Semester 3 (Fall)

10 Units

CAT.	COURSE	UNIT	PREREQUISITES
Req	DESN 310 Graphic Analysis and Documentation	3	DESN 301
Req	DESN 351 Surveying For Architectural Design	2	(see below)
RE	CHEM 305 Introduction to Chemistry	5	

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

Semester 4 (Spring)

8 Units

CAT.	COURSE	UNIT	PREREQUISITES
Req	DESN 331 Machine Design	2	(see below)
RE	DESN 360 Commercial Engineering Design and Drafting	4	(see below)
Req	DESN 361 Commercial MEP Design	2	(see below)

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

CAREER PATH

Career Options:

This certificate prepares students for careers as engineering technicians, working as technical assistants to engineers.

Engineering technicians are needed in the fields of manufacturing, architecture, construction, materials testing, public utilities, and many other fields.

Scheduling Notes:

- DESN 310 and 351 are offered in the fall.
- DESN 328, 331, 360, and 361 are offered in the spring.
- DESN 331 is offered during the 1st 8 weeks and DESN 361 is offered during the 2nd 8 weeks, so they can be taken in the same semester.
- This certificate can be started in the spring as well. See a counselor to adjust the course work.

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

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

EXPLANATION OF CATEGORIES		
Req	Required Core	A course that is required for this program
RE	Restricted Elective	A course selected from a list of elective courses specified for this program in the course list in the catalog, which can be replaced with another course from the same list

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