

www.clcillinois.edu/programs/cad

CERTIFICATE PROGRAMS

**Engineering, Math and Physical Sciences
Division, Room T302, (847) 543-2044**

CAD DRAFTING TECHNOLOGY - GRAPHICS, ANIMATION, AND PRESENTATION (Certificate) Plan 24DK

This advanced certificate is designed for the individual who possesses education or experience in computer aided design (CAD) or graphic arts. The certificate fills the gap between CAD and computer-generated art and provides the graduate with the skills to create sophisticated computer enhanced presentations for use in a variety of applications.

FIRST SEMESTER		12
CAD 110	CAD/CAM Concepts	3
CAD 117	Introduction to AutoCAD	3
CAD 179	Introduction to Autodesk 3ds Max <i>or</i> Technical Elective	3
DMD 111	Introduction to Digital Media	3
SECOND SEMESTER		9
ART 222	Computer Art I	3
ART 263 #	2D Computer Animation	3
CAD 279 ***	Design Visualization Using 3ds Max <i>or</i> Technical Elective	3
Total Hours for Certificate		21

TECHNICAL ELECTIVES:

A broad choice of technical electives is available. See an advisor in the CAD department for approval of electives.

ART 263 #	2D Computer Animation	3
ART 264 #	3D Computer Animation	3
DMD 121	Introduction to Graphic Design	3
CAD 110	CAD-CAM Concepts	3
CAD 111 *	CAD Drafting Applications	4
CAD 117	Introduction to AutoCAD	3
CAD 170	Introduction to SolidWorks	3
CAD 171	Introduction to Inventor	3
CAD 176	Introduction to Creo	3
CAD 177 ***	Civil Drafting #	3
CAD 178	Introduction to Revit	3
CAD 179	Introduction to Autodesk 3ds Max	3
CAD 211 ***#	Geometric Dimension and Tolerancing	
CAD 217 ***#	AutoCAD II	3
CAD 270 **#	SolidWorks II	3
CAD 271 **#	Inventor II	3
CAD 273	Advanced CAD Specialization	1-3
CAD 276 ***#	Creo II	3
CAD 278 **#	Revit II	3
CAD 279 ***	Design Visualization Using 3ds Max	3
CNC 218	Introduction to MasterCam	3
DMD 157	Introduction to Animation	3
ELT 111	Electronic Drafting	2
EWE 120	Job Readiness Skills	1
EWE 220	Cooperative Work Experience I	2
LPO 111	Fundamentals of Light and Lasers	4
LPO 145	Photonic CAD Applications	3
MET 111	Manufacturing Processes	3
MET 112	Basic Metallurgy I	3
MET 214 #	Mechanical Design and Drafting	3
MTH 115	Applied Mathematics II	3
MTT 111	Machine Shop I	3
MTT 112	Machining Principles	3

* Summer only

** Fall only

*** Spring only

Prerequisite required

TYPICAL JOBS

- Architectural Drafter
- Engineering Technician
- Civil Designer
- Civil Drafter
- Mechanical Designer
- Mechanical Drafter
- Product Designer/Drafter

GETTING STARTED

For steps on how to apply and register, visit
www.clcillinois.edu/admission.

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CAD DRAFTING TECHNOLOGY - ARCHITECTURAL/CIVIL (Certificate) Plan 24DN

FIRST SEMESTER	9
CAD 110 CAD/CAM Concepts	3
CAD 117 Introduction to AutoCAD	3
CAD 178 Introduction to Revit	3
SECOND SEMESTER	6
CAD 177 *** Civil Drafting	3
CAD 217 ***# AutoCAD II	3
THIRD SEMESTER	3
CAD 278 ***# Revit II	3
Total Hours for Certificate	18

CAD DRAFTING TECHNOLOGY - 3D PARAMETRIC (Certificate) Plan 24DP

SUMMER SESSION	4
CAD 111 * CAD Drafting Applications	4
FIRST SEMESTER	9
CAD 170 Introduction to Solidworks	3
CAD 171 Introduction to Inventor	3
CAD 176 Introduction to Creo	3
SECOND SEMESTER	6
CAD 276 ***# Creo II	3
CAD 211 *** Geometric Dimensioning and Tolerancing	3
THIRD SEMESTER	6
CAD 270 ***# SolidWorks II	3
CAD 271 ***# Inventor II	3
Total Hours for Certificate	25

CAD DRAFTING TECHNOLOGY - AUTOCAD (Certificate) Plan 24DQ

SUMMER SESSION	4
CAD 111 * CAD Drafting Applications	4
FIRST SEMESTER	6
CAD 110 CAD/CAM Concepts	3
CAD 117 Introduction to AutoCAD	3
SECOND SEMESTER	3
CAD 217 ***# AutoCAD II	3
Total Hours for Certificate	13

CAD DRAFTING TECHNOLOGY - SOLIDWORKS (Certificate) Plan 24DS

SUMMER SESSION	7
CAD 111 * CAD Drafting Applications	4
CAD 170 Introduction to Solidworks	3
FIRST SEMESTER	3
CAD 270 ***# Solidworks II	3
SECOND SEMESTER	3
CAD 211 ***# Geometric Dimension and Tolerancing	3
Total Hours for Certificate	13

CAD DRAFTING TECHNOLOGY - CREO (Certificate) Plan 24DT

SUMMER SESSION	4
CAD 111 * CAD Drafting Applications	4
FIRST SEMESTER	3
CAD 176 Introduction to CREO	3
SECOND SEMESTER	6
CAD 276 ***# CREO II	3
CAD 211 ***# Geometric Dimension and Tolerancing	3
Total Hours for Certificate	13

CAD DRAFTING TECHNOLOGY - AUTODESK INVENTOR (Certificate) Plan 24DU

SUMMER SESSION	4
CAD 111 * CAD Drafting Applications	4
FIRST SEMESTER	3
CAD 171 Introduction to Inventor	3
SECOND SEMESTER	3
CAD 211 ***# Geometric Dimension and Tolerancing	3
THIRD SEMESTER	3
CAD 271 ***# Inventor II	3
Total Hours for Certificate	13

* Summer only *** Spring only
** Fall only # Prerequisite required

CONTACT INFO

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May 2020
Per 2020-21 catalog

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