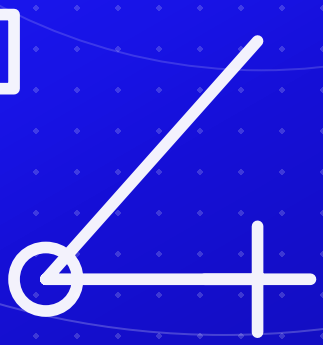
UrbanScholar

PROGRAM BROCHURE



CAREER TRACK · CAD & DRAFTING

AUTOCAD

A precision-drafting AutoCAD track — 2D drafting, blocks, and 3D modeling — for learners who want production-ready drawings, not just practice sketches.

8–10	7	6	2
WEEKS	MODULES	CAPSTONES	PROGRAM TRACKS

TWO TRACKS · KICKSTART & CAREER

Program Overview

How this track builds real production-drafting skills

Drawings that meet real standards. This track is built around precision and standards — dimensioning, annotation, title blocks — the details that separate a drawing a fabricator can actually use from one that just looks right.

Built-in mentorship. Each module closes with a mentor-reviewed checkpoint, so gaps get caught early instead of at the final capstone.

Career layer, not an afterthought. Resume positioning, interview readiness, and aptitude prep run alongside the technical modules — not bolted on in the last week.

Who This Is For

- Diploma/engineering students targeting drafting roles
- Architects & engineers wanting structured CAD skills
- Anyone comfortable with basic geometry

What You'll Walk Away With

- 6 production-quality drawing sets for your portfolio
- Working fluency in 2D drafting & basic 3D modeling
- A recruiter-ready portfolio built around real drawing standards

Program Snapshot

16+ Hrs Live Instructor-Led Sessions

6 Production-Quality Drawing Sets

7 Structured Learning Modules

Training + Internship Certificate

Mentor-Reviewed Project Checkpoints

Placement & Interview Support

Learning Path

7 modules, sequenced from foundations to deployment

1 · AutoCAD Fundamentals

- Interface & drawing setup
- Coordinate systems, used correctly
- Core drawing tools, hands-on

2 · 2D Drafting

- Lines, arcs & polylines
- Layers used the way industry expects
- Dimensioning & annotation standards

3 · Editing & Precision Tools

- Trim, extend, offset & mirror
- Object snaps for real precision
- Constraints that keep drawings accurate

4 · Blocks & Templates

- Creating & reusing blocks
- Block attributes for smarter drawings
- Drawing templates & title blocks

5 · 3D Modeling Basics

- 3D primitives & navigation
- Extrude & revolve operations
- Basic solid modeling workflow

6 · Industry-Specific Drafting

- Architectural drawing conventions
- Mechanical drawing conventions
- Choosing the right convention for the job

7 · Plotting & Documentation

- Layouts & viewports
- Printing/exporting drawings correctly
- Drawing standards checklists

Tools and Softwares You Can Work With

AC AutoCAD

AL AutoCAD LT

DD DWG/DXF Formats

P& Plotting & Layout Tools

Capstone Projects

Six builds that turn coursework into a portfolio — 1 of 2

1 · 2D Floor Plan of a Residential Building

A fully dimensioned architectural floor plan with proper annotations.

SOFTWARE USED

A2 AutoCAD 2D

- Draft walls, doors & windows to scale
- Apply full dimensioning & annotation
- Follow architectural drawing conventions

2 · Mechanical Part Drawing with Tolerances

A detailed machine-part drawing following basic GD&T principles.

SOFTWARE USED

A2 AutoCAD 2D

- Draft a part to precise dimensions
- Apply tolerance callouts correctly
- Add manufacturing notes & a title block

3 · 3D Model of a Simple Mechanical Assembly

Build and render a multi-part 3D mechanical assembly.

SOFTWARE USED

A3 AutoCAD 3D

- Model individual parts in 3D
- Assemble parts into a working whole
- Produce a basic rendered view

Capstone Projects

Six builds that turn coursework into a portfolio — 2 of 2

4 · Electrical Layout Drawing

A wiring/circuit layout drawing for a small building or panel.

SOFTWARE USED

A2 **AutoCAD 2D**

- Draft circuit/wiring layout to scale
- Apply electrical drawing symbols correctly
- Annotate per electrical drawing standards

5 · Site Plan with Landscaping Layout

A civil site plan including basic grading and landscape elements.

SOFTWARE USED

A2 **AutoCAD 2D/Civil basics**

- Draft a site boundary & key features
- Add basic grading/contour information
- Lay out landscaping elements to scale

6 · Furniture/Product Design Drawing Set

A complete drawing set — plan, elevation, and section — for a furniture/product design.

SOFTWARE USED

A2 **AutoCAD 2D/3D**

- Produce coordinated plan/elevation/section views
- Apply consistent dimensioning across views
- Compile into one production-ready sheet set

A Day in the Role

What a CAD Draftsperson's Day Actually Looks Like

- Convert sketches/specs into precise drawings
- Apply correct dimensioning & annotation
- Maintain drawing standards across a project
- Coordinate revisions with engineers/ architects
- Prepare drawing sets for approval/fabrication
- Manage drawing version control

The throughline: every capstone in this brochure is a smaller version of one of these responsibilities — so the portfolio you leave with maps directly to the job you're training for.

Career Outlook

Where an AutoCAD skill-set actually leads

CAD drafting remains the backbone of construction, manufacturing, and product design — and firms consistently need drafters who can produce accurate, standards-compliant drawings quickly.

Role	What They Do	Salary Range (Fresher / Experienced)
CAD Draftsperson	Produces technical drawings from designs/specs	₹3–5 LPA / ₹6–11 LPA
Design Engineer (CAD)	Designs & drafts mechanical/architectural components	₹4–7 LPA / ₹9–16 LPA
Architectural Draftsperson	Produces architectural construction drawings	₹3–6 LPA / ₹7–13 LPA
Civil Draftsperson	Produces civil/site engineering drawings	₹3–5 LPA / ₹6–12 LPA
Product Design Drafter	Drafts detailed product/furniture designs	₹3–6 LPA / ₹7–13 LPA
CAD/BIM Coordinator	Coordinates drawing standards across a project	₹5–8 LPA / ₹10–18 LPA

Indicative ranges from general India market trends — validate against current job-board data before publishing.

Companies Actively Hiring in This Space

LT L&T

GP Godrej Properties

TP Tata Projects

SP Shapoorji Pallonji

AE AECOM

JE Jacobs Engineering

Representative employers in this space — not confirmed UrbanScholar hiring partners.

Program Tracks

Two tracks, same curriculum depth — the difference is placement intensity

KICKSTART

- 14+ hrs live cohort + recorded lectures
- 2 guided projects
- 6 months LMS access
- QR-verified completion certificate
- Mentor support — SLA ≤ 48 hrs
- Resume building workshop
- Mock aptitude test
- Pre-placement orientation session

CAREER

- 20+ hrs live cohort + recorded lectures
- 2 projects + capstone (Minor + Major)
- 6 months LMS access, extendable till placed
- QR-verified + Industry-Readiness certification
- Priority mentor support — SLA ≤ 24 hrs
- Resume + LinkedIn profile building
- 1-on-1 mock interviews with feedback
- Active placement & referral assistance

Common to Both Tracks

All 7 Curriculum Modules

All 6 Capstone Projects

Mentor-Reviewed Checkpoints

Training + Internship Certificate

Where UrbanScholar AutoCAD Learners Can Head

Architecture & Construction Firms

Manufacturing & Engineering Companies

Interior Design Studios

Civil Engineering Consultancies

Freelance / Independent Drafting

Placement Journey

How career support is woven through the program, not tacked on at the end

1

Build Foundation

Resume & LinkedIn built around real project outcomes, not generic templates.

2

Sharpen Aptitude

Structured aptitude & reasoning practice aligned to actual hiring-test formats.

3

Practice Interviews

Mock interviews with direct, specific feedback — not just a pass/fail score.

4

Get Placement Ready

Soft-skill coaching and, on the Career track, active referral support.

Why this order matters: most programs bolt placement prep onto the last week. Here it runs in parallel with the technical modules, so by the time your capstones are done, your resume and interview readiness are already in place — not started from scratch.

Quick Questions

Do I need prior background to start?

Some familiarity helps, but the early modules — starting with AutoCAD Fundamentals — rebuild the fundamentals from the ground up.

What happens if I fall behind a session?

Every live session is recorded, and mentor SLA windows exist specifically to help you catch up between checkpoints.

Can I switch tracks mid-program?

Yes — Kickstart learners can upgrade to Career at any point by paying the difference, carrying forward completed modules.

Is the certificate recognized by employers?

It's a QR-verified training + internship certificate — employers can verify authenticity directly, not just take it on faith.

UrbanScholar

Industry-Trained. Project-Proven. Career-Ready.

Get In Touch

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PROGRAM

AutoCAD — Kickstart & Career Tracks