

AD3D EDGE PLUS

POWERED BY

CAREERX & CREATORX

COURSE DURATION: 650 HRS
WITH CAREERX

COURSE DURATION: 698 HRS
WITH CAREERX & CREATORX

Enter a world where imagination knows no bounds. 3D animation isn't just movement, it's the power to create stunning universes, unforgettable characters and impactful stories. From blockbuster films to digital experiences, animation captivates and inspires across generations. Master storytelling through cutting-edge animation techniques with this course. Whether you dream of crafting films, creating series or redefining digital media, your journey begins here.

CAREER OPTIONS

- 3D Modeling Artist • Texturing Artist • Lighting Artist
- Render Wranglers • 3D Animator • Rigging Artist
- 3D Generalist • 3D Visualizer • Game Asset Artist
- Environment Artist • Pre-Visualization Artist
- Look Development Artist • Product Modeling
- CG Layout Artist • AI Content Strategist • AI Visualizer
- AI Concept Artist • AI Digital Designer • AI Video Editor



COURSE CONTENT

TERM I

- Fundamentals of Visual Design • Digital Design
- Basics of Filmmaking • Layout & Animatics
- Generative AI for Digital Creators – Imagery
- Generative AI for Digital Creators – Video & Audio
- Video & Sound Editing • Basics of Compositing
- Introduction to Digital Content

SOFTWARE** COVERED

- Photoshop • Storyboarder • Premiere • Audition • After Effects
- ChatGPT • Deepseek • Leonardo AI • Midjourney • Sora
- Gen Ai Video generation tools- (Higgsfield/Runway ML***)
- ElevenLabs • Suno AI • Comfy UI • Firefly • Canva AI Tools

TERM II

- Introduction to 3D World • 3D Design
- Introduction to Texturing • Fundamentals of CG Lighting
- Lighting & Rendering in V-Ray
- Hierarchy, Connections & Character Setup
- Introduction to 3D Animation • Dynamics and FX

SOFTWARE** COVERED

- 3ds Max • V-Ray

TERM III

- 3D Modeling • PBR Texturing • Advanced CG Lighting
- Prop & Character Setup • Lighting & Rendering in Arnold
- 3D Animation • Particles, Dynamics & Advanced Effects with Bifrost

SOFTWARE** COVERED

- Maya • Substance 3D Painter

TERM IV

- Cloth Simulation & FX • Hair Grooming with X-Gen
- Virtual Cinematography • Photogrammetry Workflow
- Real-Time PBR Texturing • Visual Design for Games • Realtime 3D

SOFTWARE** COVERED

- Marvelous Designer • Substance 3D Stager • Substance 3D Sampler
- Quixel Mixer • Unreal Engine

*** In the Era of Gen AI, AI keeps evolving, as such the tools covered are subject to upgrades and replacements

**Please refer to page no. 110 for Trademark Attribution.

ELECTIVE SPECIALISATION WITH AD3D EDGE PLUS

Why settle for one-size-fits-all when you can specialise? With AD3D EDGE PLUS, you get the power to level up your expertise in the area that excites you the most. Choose any 1 from three dynamic specialisations and stand out in the industry.

**Please refer to page no. 110 for Trademark Attribution.

MODELING & TEXTURING

COURSE CONTENT

- Art & Technical Aesthetics • Inorganic Modeling
- Stylised Character • Realistic Character
- Low Poly Character for Games • Digital Sculpting

SOFTWARE** COVERED

- Maya • ZBrush • Substance 3D Designer

LIGHTING

COURSE CONTENT

- Fundamentals of CG Lighting • Design & Colour Theory
- CG Lighting & Use of Shaders • Lighting Environments
- Advanced Shaders • Production Tips & Tricks

SOFTWARE** COVERED

- Maya • Redshift • Katana

ANIMATION

COURSE CONTENT

- Animation Foundation
- Character Animation & Body Dynamics
- Basic Performance Animation
- Advanced Performance Animation

SOFTWARE** COVERED

- Maya • Motion Builder

3D ARCHI & PRODUCT DESIGN

COURSE CONTENT

- Fundamentals of Computer Aided Design
- 3D Architectural & Event Design
- Event & Stall Design Visualisation
- Advanced 3D Visualisation
- Realtime 3D Visualisation
- 3D Product Design & Visualisation

SOFTWARE** COVERED

- Sketchup • 3ds Max • Maya
- V-Ray • Twinmotion • Substance 3D Stager

SEMESTER I:

- Storytelling: Multi-platform narratives for Film, Games, and XR
- Art Direction: Visual impact via mood, color, and composition
- World Building: Narrative-driven environment design
- Studio Pipeline: Professional workflows, timelines, and approvals
- GenAI Power: AI-driven ideation, storyboarding, and previz

SEMESTER II:

- 3D Pipeline: Mastering departmental workflows and deadlines
- Asset Workflow: Creating production-ready assets without errors
- Scene Optimization: Using proxies, LODs, and instancing for performance
- LookDev & Lighting: Cinematic lighting using practical references
- Animation: Transforming storyboards into shots with clear body mechanics

SEMESTER III:

- Studio Workflow: Execute professional workflows from modeling to final texturing
- Asset Optimization: Build optimized, production-ready assets with clean topology
- VFX Integration: Master CG-to-plate matching through lighting and LookDev
- Performance Driven Animation: Create story-driven performances with precise body mechanics
- GenAI Integration: Leverage GenAI for rapid ideation and production optimization

SEMESTER IV:

- Character FX: Solving hair, fur, and cloth simulation issues
- Real-Time Worlds: Building optimized, game-ready environments
- Unreal Cinematics: Mastering real-time lighting and mood
- GenAI LookDev: Enhancing visual development via GenAI
- Studio Portfolio: Finalizing professional-grade showcases



Eligible post completion of CareerX

MODULE I: Freelance Fundamentals & Gig Economy

- Explore creative career pathways
- Identify strengths and niche
- Build job-ready portfolios
- Learn pricing and client skills
- Practice professional ethics

MODULE II: Studio Setup & Project Management

- Set up a production-ready workspace
- Adopt the production workflow
- Master project management basics
- Work effectively in teams
- Develop a deadline-driven mindset

MODULE III: Project Pitch & Client Readiness

- Decode creative briefs with ease
- Pitch creative projects with clarity
- Confident presentation across pitches
- Professional feedback management
- Master portfolio presentation strategies

MODULE IV: Personal Brand & Network Building

- Build a strong professional identity
- Use online platforms strategically
- Professional network building
- Plan long-term career growth
- Master remote and hybrid teamwork

MODULE V: Entrepreneurship & Creator Mindset

- Navigate the creator economy ecosystem
- Adopt a value-driven creative and business mindset
- Explore monetization and revenue frameworks
- Safeguard intellectual property and creative assets
- Manage finances for long-term sustainability