

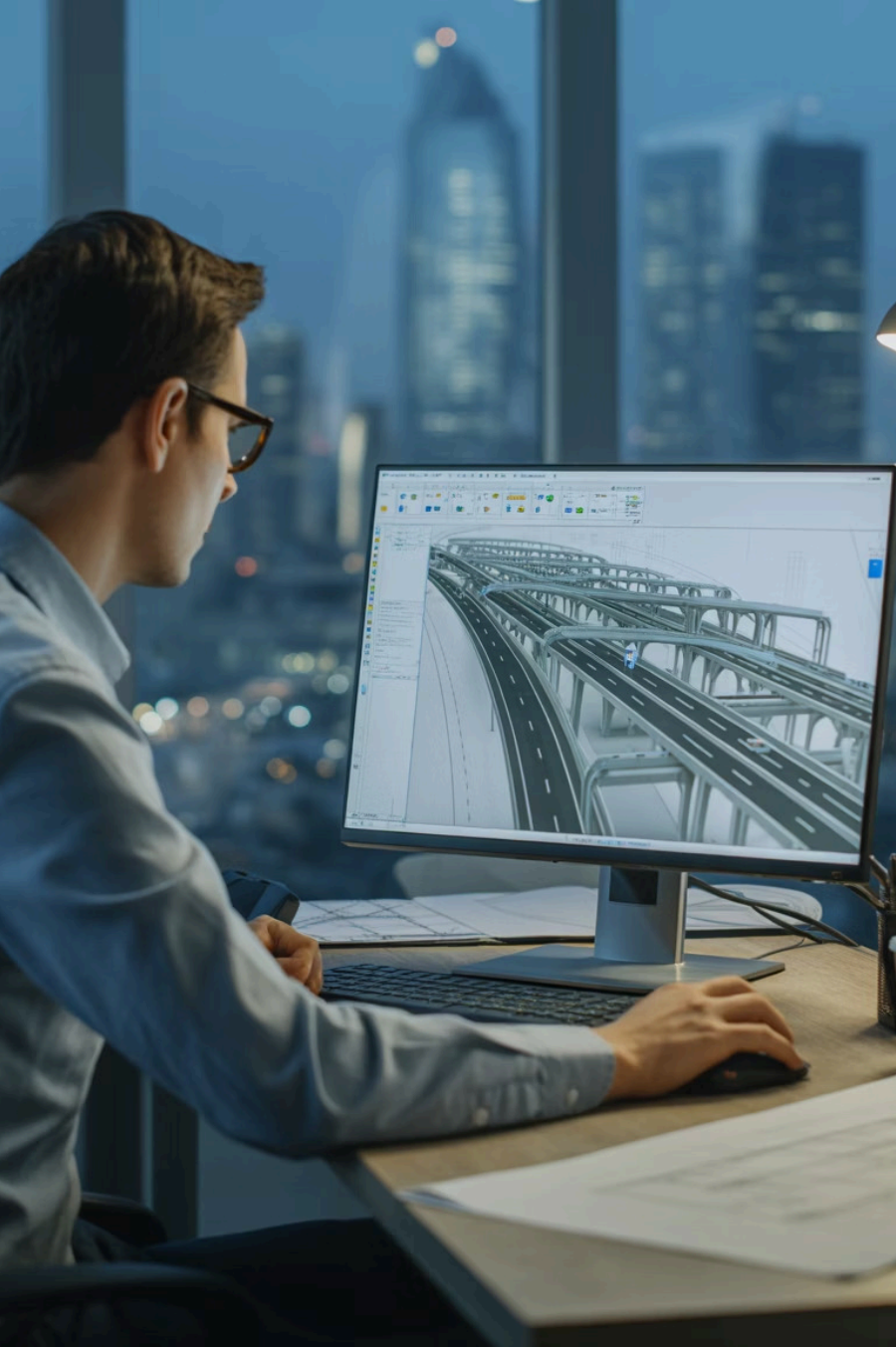
3D Design Certification Programs

Welcome to our comprehensive overview of 3D Design certification programs. This presentation will guide you through five industry-leading certifications that can launch your career as a Junior 3D Design Engineer.

Each certification offers specialized training in different aspects of 3D design, from civil engineering applications to entertainment and media production. We'll explore curriculum details, certification validity, job opportunities, industry alignment, and more for each program.

By the end of this 225-hour program, you'll be equipped with the skills needed to excel in industries ranging from automotive and architecture to entertainment and gaming.





AutoCAD Civil: Foundation for Civil Design



Core Curriculum

Master interface basics, drafting tools, site planning, road design, contour mapping, terrain modeling, grading plans, utility drafting, and construction documentation.



Certification Details

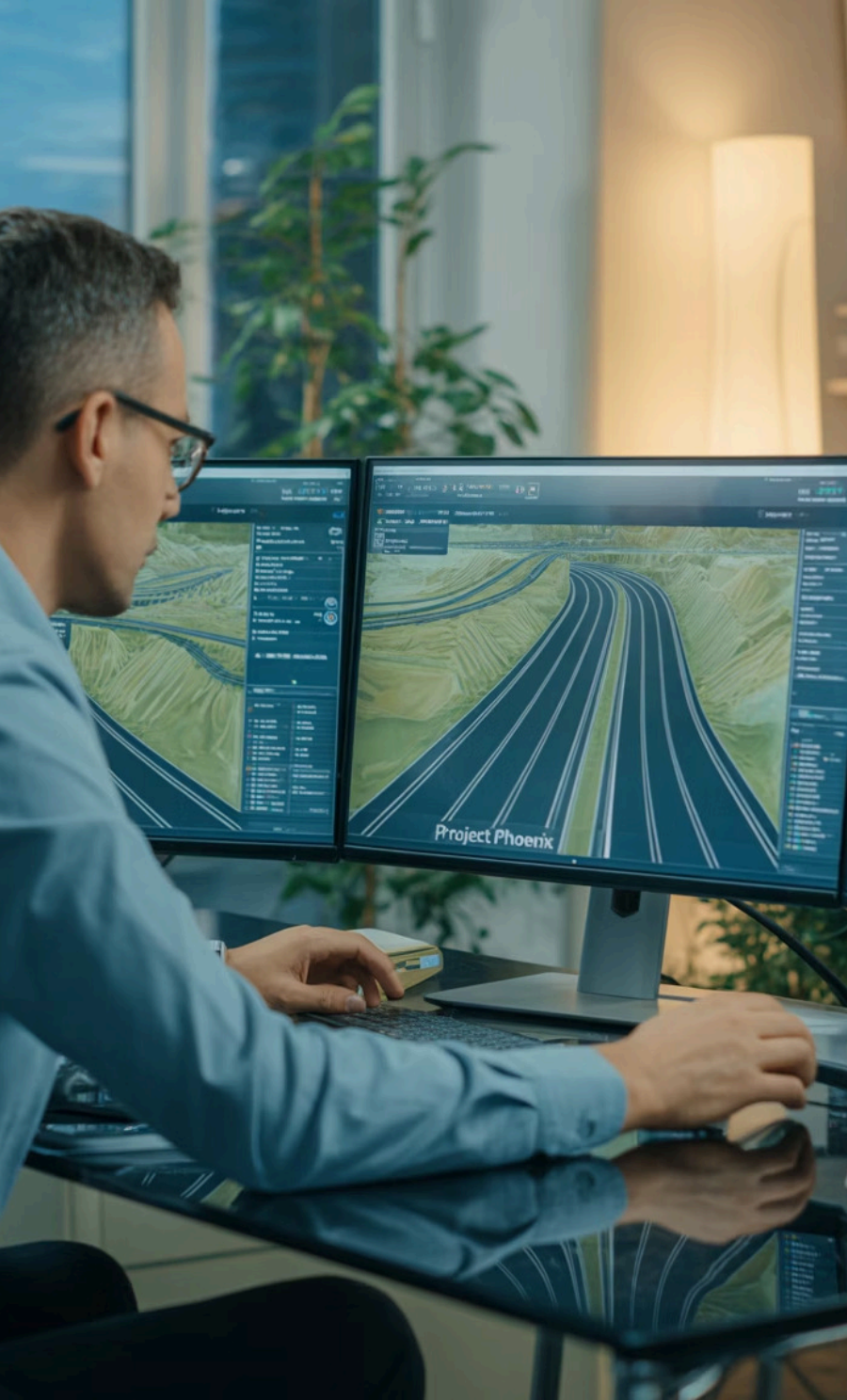
Valid for 3 years with recertification required thereafter. Provided by Autodesk and widely recognized in the AEC industry.



Career Paths

Prepare for roles as Civil Designer, CAD Technician, Draughtsman, BIM specialist, Infrastructure Engineer, Surveyor, or Urban Planner.

Civil 3D: Advanced Infrastructure Design



Surface Creation & Terrain Modeling

Learn to create accurate digital terrain models from survey data



Corridor & Roadway Design

Master the tools for designing complex road systems and corridors



Pipe Networks & Utilities

Design stormwater and sanitary systems with precision



Plan Production & Collaboration

Generate professional documentation and collaborate effectively

Infracore: Real-World Infrastructure Planning

Import Real-World Data
Integrate GIS, BIM, and CAD data into
your projects

Visualize & Present
Create compelling visualizations for
stakeholders



Design Infrastructure
Create roads, bridges, and drainage
systems

Urban Planning
Develop comprehensive urban
infrastructure plans

Infracore certification offers lifetime validity and is globally recognized by stem.org. Graduates can pursue careers as Civil Engineers, Infrastructure Designers, Urban Planners, Transportation Engineers, BIM Modelers, and Surveyors.

Autodesk 3DS Max: Creative Visualization

1

3D Modeling Basics

Master fundamental modeling techniques



Texturing & Materials

Apply realistic textures and materials

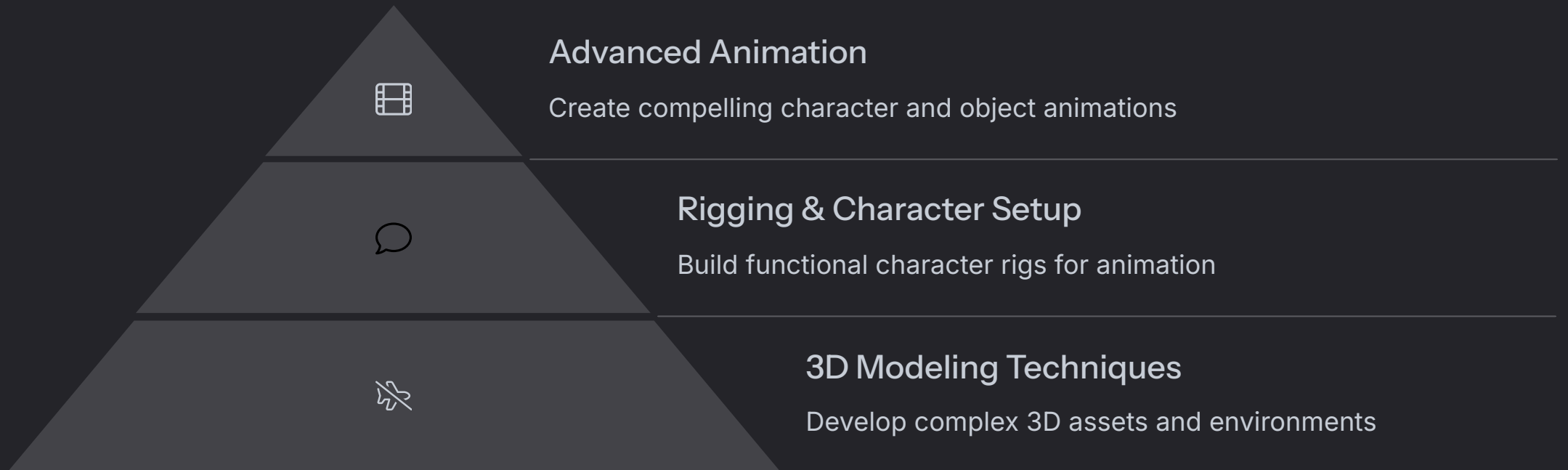
3

Lighting & Rendering

Create photorealistic visualizations

The 3DS Max certification is valid for 2-3 years with recertification required thereafter. It's widely recognized in both AEC and entertainment industries, opening doors to careers as 3D Max Designers, VFX Artists, 3D Animators, Architectural Visualizers, and Game Artists.

Autodesk Maya: Animation & VFX Powerhouse



Maya certification is provided by Autodesk and remains valid for 2-3 years. It's highly respected in entertainment and media industries, preparing you for roles as 3D Artists, Animators, VFX Artists, Layout Artists, Character TDs, and Rigging Artists.



Industry Applications & Career Paths

Automotive

Design vehicle components, create prototypes, and develop visualizations for marketing materials. Work with engineering teams to refine designs based on performance requirements.

Architecture & Civil Engineering

Create building models, infrastructure designs, and urban planning visualizations. Collaborate with architects and engineers to translate concepts into detailed 3D representations.

Entertainment & Gaming

Develop characters, environments, and assets for films, television, and video games. Work with creative directors to bring concepts to life through 3D visualization.



Junior 3D Design Engineer: Exit Profile



3D Modeling Expertise

Create detailed 3D models using specialized software like AutoCAD, SolidWorks, Rhino, or Blender



Product Development

Assist in developing products, prototypes, and architectural models across multiple industries



Visualization Skills

Generate detailed 3D visualizations, simulations, and designs that meet project requirements

As a Junior 3D Design Engineer, you'll work collaboratively with senior designers and project managers to bring concepts to life through digital modeling and visualization. Your technical skills combined with creative problem-solving will make you a valuable asset in any design team.



Program Structure & Duration



Total Duration: 225 Hours

Comprehensive training across all five certification areas



Five Core Certifications

AutoCAD Civil, Civil 3D, Infraworks, 3DS Max, and Maya

3

Industry-Recognized Credentials

Earn certifications from Autodesk and stem.org

4

Career-Ready Skills

Graduate prepared for entry-level positions across multiple industries

Next Steps & Enrollment

5

Certifications

Industry-recognized credentials to boost your resume

225

Training Hours

Comprehensive hands-on instruction and practice

3+

Industries

Career opportunities across multiple sectors

Ready to launch your career as a Junior 3D Design Engineer? Our comprehensive program provides the technical skills, industry knowledge, and professional certifications you need to succeed in this dynamic field.

Contact our admissions team today to learn more about enrollment dates, financing options, and how our program can help you achieve your career goals in 3D design.

