Training for architects

At Doussou Formation, we offer training on the most advanced tools for engineers and professionals in 3D modeling and design. Our courses, delivered by experts, cover a wide range of industry-recognized software to meet your specific needs in design, animation, and rendering. Discover below the training programs we offer:

3ds Max combined with V-Ray is an industry standard for high-end architectural visualizations thanks to its ability to produce high-quality photorealistic renderings.

- 3ds Max and V-Ray
- [Details]

Accelerate your architectural projects with Lumion, a real-time rendering software. Learn to create ultra-realistic 3D visualizations for your architectural designs.

- Lumion
- [Details]

Unreal is a powerful real-time rendering engine used in architecture, gaming, and film. Our training will help you integrate Unreal into your 3D

visualization projects.

- Unreal
- [Details]

This training will teach you how to master Twinmotion to create real-time architectural renderings, including animations and immersive visualizations for project presentations.

- Twinmotion
- [Details]

Blender is an open-source software capable of everything from 3D modeling to animation and complex simulations. Learn to create complete projects with guidance from our expert instructors.

- Blender

- [Details]

Vantage allows you to create ultra-fast photorealistic renderings. This training is ideal for those wishing to integrate high-end visualizations into their workflow.

- Vantage
- [Details]

ZBrush is the industry standard for digital sculpting. Learn to create detailed characters and 3D models used in films, video games, and animations.

- ZBrush
- [Details]

Autodesk Maya is a key tool for animation and visual effects. This training will teach you how to create animations and 3D models for your projects.

- Maya
- [Details]

Why Choose Doussou Formation?

- **Certified instructors** who are experts in their field.
- **Personalized approach** with hands-on workshops tailored to your needs.
- **Professional certificates** available at the end of each training.
- **Flexible learning options**: online or in person depending on your preference.

Join our training programs and develop advanced skills on the software tools that will make a difference in your engineering, design, and visualization projects.

Feel free to contact us for more information or to register for our training sessions.

By email: info@doussou-formation.com

Unreal Engine Training for Architecture and Design

Introduction to Unreal Engine Training

- Using templates
- User interface

- Project management
- Object manipulation

Creating an Unreal Engine Project

- Importing content from various sources
- Datasmith
- Object management
- Terrain and vegetation
- Modeling
- Lighting
- Creating different types of lights
- Creating outdoor lighting: day/night

Unreal Engine Materials and Textures

- Material Editor
- Material Instances
- Creating various PBR materials (metal, wood, concrete, glass, plastic, water, etc.)
- Material Functions

Unreal Engine Animation

- Level Sequence
- Keyframe animation
- Physics and dynamics

Unreal Engine Rendering and Animation Production

- High-resolution image rendering
- Animated video rendering

Unreal Engine Interactivity

- Introduction to Blueprints
- Compiling an interactive project

VRay: Lighting, Materials, and Photorealistic Rendering

Day 1: Introduction to VRay Training and VRay Fundamentals

- Introduction to VRay

- Installing VRay
- Navigating the VRay interface
- Basic lighting
- Cameras
- Basic materials
- Hands-on workshop

Day 2: Advanced Techniques and Practical Project in VRay

- Global Illumination (GI) and Advanced Reflection/Refraction
- Atmospheric effects
- Advanced materials
- Camera animation
- Practical project
- Review and questions
- Conclusion of the VRay training

Blender Training – Architecture and Design

Introduction to Blender Training

- Blender interface and navigation
- Project import (Revit, SketchUp, 3ds Max)

Modeling in Blender

- Polygon modeling
- Curves
- Physics-based modeling
- Parametric modeling
- Environment creation

Materials and Textures in Blender

- Material application
- Specific materials

Lighting in Blender

- Natural sunlight
- Artificial lights
- Lighting study by time zone and specific periods

Rendering in Blender

- Camera settings and manipulation
- Ray-traced rendering (Cycles)
- Real-time rendering (Eevee)
- Blender animation sequence production
- Blender post-production

You may also be interested in

- [Unity 3D Training](#)

Figma UX/UI Course — Build Smart & Responsive Web Prototypes

Learning Objectives — Figma UI/UX Design

- Learn how to structure a web interface using modern UX principles
- Design a consistent, professional UI based on a client brief
- Master Figma to create, organize, and reuse design components
- Prototype interactive interfaces with realistic transitions and user behaviors
- Facilitate smooth collaboration with developers through well-prepared mockups

Module 1 — Introduction to UX/UI and Figma

- Understand the essential roles of UX and UI in interface design
- Apply best practices in layout structure and usability
- Get started with Figma: interface, pages, layers, and frames
- Organize a Figma project using grids, constraints, and responsive design principles

Module 2 — Designing Web Interfaces with Figma

- Create reusable UI components (buttons, cards, menus)
- Use advanced features like variants and auto-layout
- Define consistent visual styles: colors, typography, effects
- Import visual assets such as logos, images, and icons

Workshop 1: Build a Component Library — *Create a simple, reusable, and consistent Design System*

Module 3 — Interactive Prototyping in Figma

- Add dynamic interactions: clicks, transitions, animations
- Create simulated navigation with scrolling and internal linking
- Integrate forms and user behaviors into your designs
- Preview and test the prototype as if it were a real website

Workshop 2: Build an Interactive Prototype — *Design a smooth and engaging user journey*

Module 4 — Collaboration & Delivery

- Collaborate effectively in Figma using comments, sharing, and version control
- Use Dev Mode to inspect layouts, generate CSS, and access specs for developers
- Prepare and export a polished mockup for client delivery or presentation
- Explore complementary tools like FigJam and essential Figma plug-ins

Workshop 3: Prepare a Client Presentation — *Structure and present a professional Figma file*

Canva for Professionals: Build Impactful Graphics with Ease

Introduction to the Canva Training

Getting Started with Canva

- Understand the fundamentals of graphic design
- Discover Canva's interface and core features
- Overview of the different plans (Free, Pro, Team, etc.)

First Steps with Canva

- Create and configure your account
- Introduction to the user interface
- Navigate the menus and workspace
- Organize your content: folders and subfolders
- Adjust account settings to suit your workflow
- Create a new design from a template or blank format
- Hands-on with the editor and design tools

Graphic Design Basics in Canva

- Using and customizing templates
- Managing multi-page designs
- Simple compositions with images
- Inserting and editing graphic elements
- Typography: adding, styling, and arranging text
- Adding music, interactive links, photos, and videos
- Using charts and graphs
- Advanced features: animations, backgrounds, element locking, etc.
- App integrations: YouTube, Google Maps, and more

- Download and share your designs (PDF, PNG, web link, etc.)

Creating Presentations and Icons

- Explore various presentation formats
- Design dynamic and professional presentations
- Create and customize graphic icons

Collaborating with Canva

- Invite and manage team members
- Create, share, and co-edit designs
- Organize shared files into team folders

Recommended Complementary Training

Publisher Training — Layout and Design of Professional Print Materials

PowerPoint Essentials: Design, Structure & Impact

Module 1: Mastering the Basics of Microsoft PowerPoint

- Create and organize slides with a professional structure.
- Integrate relevant and well-structured textual content.
- Add impactful visuals to enhance your message.

Module 2: Streamlining with Slide Masters

- Understand the strategic role of slide masters for consistency.
- Create and modify masters to ensure visual coherence.
- **Hands-on Exercise:** design a custom theme aligned with brand identity.

Module 3: Creating Professional Templates

- Define templates and understand their impact on productivity.
- Build tailored templates for consistent presentation design.
- Integrate logos, color palettes, and brand elements.
- **Workshop:** develop a template based on a corporate brand guide.

Module 4: Advanced Text and Image Handling

- Optimize text layout: columns, alignment, special effects.
- Enhance visuals: cropping, filters, background removal.
- **Workshop:** boost the visual impact of an existing presentation.

Module 5: Embedding Dynamic Content (Excel, Video, Audio)

- Insert and sync Excel charts in real time.
- Add and configure video and audio to energize your content.
- **Exercise:** create interactive and immersive slides.

Module 6: Customized Animations and Transitions

- Explore animation types available in PowerPoint.
- Design custom effects to add rhythm and flow.
- **Exercise:** craft a high-impact animated presentation.

Module 7: Collaborating and Sharing with Ease

- Leverage comment and version tracking tools.
- Collaborate in real-time using Office 365 and OneDrive.
- Apply best practices for smooth teamwork and file sharing.

Recommended Complement: Visual Creation with Office 365

- [Publisher Training – Creating Marketing and Print Documents](#)

After Effects Advanced Training

Introduction to the [After Effects – Advanced Training](#)

- Create dynamic and custom lower thirds to enhance your video productions
- Design smooth and elegant transitions for a polished, professional finish
- Animate titles, images, and logos in 3D for greater visual impact
- Master green screen keying (Chroma Key) for clean and effective compositing

- Leverage advanced masking techniques for precise and creative visual layering
- Apply rotoscoping techniques to isolate specific elements within a scene
- Use null objects to structure and streamline complex animations
- Integrate camera effects: control movement, zoom, and depth of field to achieve a cinematic look

Adobe After Effects Fundamentals Training

Introduction to After Effects Training

- Overview of Adobe After Effects' key features
- Exploring the user interface: tools, menus, panels, and workflow logic
- Creating and setting up a new project
- Optimizing the Project panel layout for an efficient workflow
- Saving, backing up, and managing project files

Mastering Keyframes and Animation

- Inserting and managing keyframes to animate elements
- Using markers to sync animation with audio tracks
- Refining motion with the Motion Sketch tool

Dynamic Text Animations

- Creating point text and paragraph text
- Transforming text via layer properties
- Applying preset and custom animations
- Advanced techniques: path animation, parenting, and inheritance
- Adding visual effects: shadows, blurs, typographic transitions
- Previewing animations using Adobe Bridge

Editing Effects and Transitions

- Strategic use of adjustment layers and precomps
- Navigating the Effects and Presets panel
- Managing layers on the timeline: moving, splitting, and sliding
- Creating fades, visual transitions, and audio crossfades
- Adjusting duration and managing animation extensions

Animating Vector Shapes

- Designing custom shapes with the Pen tool
- Animating shapes: twists, rounded corners, waves, etc.
- Transforming, connecting, and interpolating paths
- Converting text into vector shapes for custom animation

Training for engineers

As an engineer in Quebec, you are required to complete 30 hours of continuing education each year, in accordance with the requirements of the Ordre des Ingénieurs du Québec (OIQ). At Doussou Formation, we understand the challenges you face in keeping your skills up to date while meeting the demands of your profession. This is why we have designed training programs tailored to your professional needs and aligned with OIQ standards.

Training Designed for Engineers

We offer a complete range of technical and professional training programs to help you excel in your field while meeting your continuing education requirements.

1. Training on Specialized Software Tools

Software is at the heart of modern engineering. Our courses enable you to master essential tools to remain competitive:

AutoCAD: Learn how to create precise technical designs.

3D Studio Max, Rhino 3D, and Lumion: For 3D modeling and photorealistic rendering.

Blender and Unreal Engine: Ideal for prototyping and complex simulations.

Maya: Enhance your skills in design and simulation.

2. Project Management and Performance in Technical Environments

In an environment where projects are becoming increasingly complex, project

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management skills are essential:

- **MS Project and Planner:** Manage your projects efficiently.
- **Power BI and Advanced Excel:** Leverage your data for informed decision-making.
- **Leadership and Technical Communication:** Develop your influence as a manager or project leader.

3. Artificial Intelligence

- **Introduction to AI:** Understand the fundamental concepts of artificial intelligence, neural networks, machine learning, and modern models.
- **AI for Engineers:** Leverage your data for informed decision-making and learn how to integrate AI into your technical projects.
- **Generative AI and Automation:** Discover how to use tools such as ChatGPT, Copilot, and generative models to automate engineering tasks.
- **Programming and Applied AI:** Learn to develop Python scripts to train models, analyze data, and implement operational AI solutions.

Why Choose Doussou Formation?

- **Training Recognized by the OIQ:** All our courses comply with the requirements of the Ordre des Ingénieurs du Québec, allowing you to validate your hours with confidence.
- **Expert Trainers:** Our instructors are experienced professionals in their field, ensuring hands-on and valuable training.
- **Flexible Learning:** Choose online or in-person sessions according to your schedule and preferences.
- **Personalized Learning Paths:** We can tailor our training programs to your specific needs or those of your company.

- AI
- [Details]

- Python and Data Science
- [Details]

- Unreal Engine
- [Details]

- Git
- [Details]

- ReactJS
- [Details]

- Blender
- [Details]

- Mastering SQL Queries
- [Details]

- Java
- [Details]

The field of technological engineering is one that evolves the fastest. Constantly needing to update your skills to keep up with ever-changing software and methods, Doussou Formation designed tailored training programs specifically for engineers. We offer a wide range of interesting and relevant courses. Our team of instructors consists of experts in their field, and our approach promotes hands-on learning and small groups, encouraging interactions that foster meaningful and lasting learning experiences.

By completing your training with Doussou Formation, you will put your knowledge into practice, benefit from privileged access to your trainer, and receive personalized follow-up to ensure we consistently provide the best training.

For the required 30 hours of continuing education required by the Ordre des ingénieurs, we are here to support you. Let us give you the tools to stay up to date with technological and methodological advances. At Doussou, you will certainly find a course that meets your needs. Here are a few examples below.

Our Technology Courses

- JavaScript Training
- C# — C Sharp Training
- MVC ASP.Net Training
- React.JS — Continuing Education
- VUE.JS Training
- 3D Programming (Rhino 3D)
- 3D Max Training
- HTML5 and CSS3 Training
- Java Training
- PHP Courses
- Laravel Framework Courses
- Python and R Language Training
- Cybersecurity Courses
- XML Training

Our Methodology and Office Productivity Courses

- VBA Courses
- Excel Training
- Training: Mastering Macros and Introduction to Programming
- GIT Training: Writing Technical Documentation
- Zoom Training
- Microsoft Teams Training
- Nuance eCopy Training
- Acrobat Pro Training
- PowerPoint Training
- Publisher Training

By email: info@doussou-formation.com