

01 / FOUNDATION / SRI LANKA

Certificate in Façade Technology

with CAD & BIM Essentials

Build your Façade Engineering Foundation. Develop practical digital skills.

6

MONTHS

60

LIVE LECTURE HOURS

ONLINE

LIVE CLASSES

YOUR COURSE, IN DETAIL

Join the live online Certificate Level Course from anywhere in Sri Lanka. Build core façade engineering knowledge, develop confidence in reading drawings and communicating technical information, and connect your foundation to introductory AutoCAD and Revit/BIM practice.

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Course overview

The six-month Certificate in Façade Technology with CAD & BIM Essentials introduces the building envelope and develops core façade engineering knowledge. It provides a structured starting point for new entrants, students and early-career built-environment professionals.

Explore common façade systems, materials, glass, structural interfaces and construction fundamentals. Understand the principles of weather, thermal and acoustic performance, alongside fire safety, testing, quality and existing façades, before applying this foundation to introductory CAD and BIM activities.

Through live online teaching and technical examples, build confidence in reading drawings, recognising systems and communicating technical information. The course supports entry-level technical development and progression to deeper façade study.

WHO THIS COURSE IS FOR

- School leavers and students exploring a technical built-environment path
- CAD/BIM learners seeking a façade-engineering foundation
- Architecture and engineering students or recent graduates
- Anyone preparing for formal façade study
- Early-career construction professionals and new entrants to façade work

ENTRY REQUIREMENTS

Prior experience

No previous façade qualification or work experience is required. The course begins with the building-envelope fundamentals.

What you need to take part

Be ready to join live online classes and practise between sessions. CAD and BIM activities are introduced later in the course.

Digital access

You will need a suitable computer and access to the required software for the later CAD/BIM activities. Check the current software requirements with Oxley Façades before enrolling.

What you will learn

SUBJECTS 01-03 / AIMS & LEARNING OUTCOMES

C1 Introduction to Façade Engineering & Building Envelopes

Build a clear understanding of the building envelope, its purpose and the role of façade engineering within a construction project.

- Identify the main parts of a building envelope and explain what they do.
- Use essential façade terminology to describe common building examples.
- Describe how façade engineers work with the wider design and construction team.
- Outline a façade's journey from design and construction to use and maintenance.

C2 Façade Systems, Materials & Glass

Recognise common façade systems and understand how glass, aluminium and other cladding materials influence appearance, performance and durability.

- Distinguish curtain walling, rainscreens, windows and doors by their basic arrangement.
- Identify the main components and materials in typical façade systems.
- Describe introductory glass types and the considerations behind glazing selection.
- Explain how material choice, exposure and maintenance affect durability.

C3 Façade Structures, Interfaces & Construction Fundamentals

Connect simple façade drawings with the supports, junctions and construction activities that turn a design into an installed building envelope.

- Read introductory plans, elevations, sections and façade details.
- Identify basic supports and connections, and describe how loads reach the building structure.
- Explain why movement, tolerances and interfaces matter during installation.
- Outline the links between procurement, manufacture, delivery and installation.

What you will learn

SUBJECTS 04-06 / AIMS & LEARNING OUTCOMES

C4 Façade Performance Fundamentals

Understand how a façade responds to its environment and how structural, weather, thermal and acoustic demands work together.

- Describe the basic demands created by loads, wind and rain.
- Explain the roles of insulation, air seals and moisture management in an envelope.
- Relate glazing and shading choices to heat, daylight and comfort, alongside acoustic needs.
- Recognise how joints and interfaces affect several performance requirements at once.

C5 Fire Safety, Testing, Quality & Existing Façades

Introduce the principles and evidence used to consider façade fire safety, check construction quality and understand the condition of existing façades.

- Explain why fire safety must consider the complete façade assembly and its interfaces.
- Describe the purpose of façade tests, inspections and quality records.
- Recognise common signs of damage, water entry and deterioration in existing façades.
- Identify when maintenance, further investigation or specialist advice is needed.

C6 CAD & BIM Essentials for Façade Design

Apply the façade foundation to introductory AutoCAD drawing and Revit/BIM modelling, using digital tools to communicate technical information.

- Create and edit simple, dimensioned AutoCAD façade drawings using organised layers and linework.
- Navigate and develop an introductory façade model in Revit/BIM.
- Prepare basic views, annotations and drawing sheets to communicate a design.
- Relate 2D details to a 3D model and recognise the value of coordinated information.

Learning & delivery

Choose one of two equal live online schedules to suit your time zone. Each cohort has two classes per week, approximately 75-90 minutes per class.

MORNING COHORT

Tuesday + Thursday

07:00 UK time on both days

EVENING COHORT

Tuesday + Thursday

18:00 UK time on both days

LEARN ONLINE, REVISIT THE TEACHING

Enrolled learners can watch live class recordings in the Oxley Façades learning management system (LMS). Teaching uses live online sessions and technical examples, connecting subject knowledge with practical façade work.

PRACTICAL COURSE INFORMATION

When do CAD and BIM begin?

AutoCAD starts after about two to three months. Revit and BIM follow later.

What is the weekly live commitment?

Two classes each week, about 1 hour 15 minutes to 1 hour 30 minutes per class, depending on questions and class size. This is about 2.5-3 live hours a week.

What equipment and software do I need?

A suitable computer and access to the required software for the later CAD/BIM activities. Check the current software requirements with Oxley Façades before enrolling.

Can I stop after Foundation?

Yes. Foundation is the first two months. You can finish then or continue to the full Certificate Level Course. The payment options are explained on page 6.

Fees & recognition

Standard fee: LKR 200,000. Special launch offer: LKR 120,000 with monthly payments or LKR 108,000 paid upfront.

SPECIAL LAUNCH OFFER

LKR 120,000

LKR 24,000 registration + six monthly payments of LKR 16,000

PAID UPFRONT

LKR 108,000

One payment at enrolment

FOUNDATION EXIT & CONTINUATION

Foundation is the first two months: LKR 24,000 registration plus two monthly payments of LKR 16,000, totalling LKR 56,000. Continue with four further monthly payments of LKR 16,000 (LKR 64,000). No second registration fee applies. The LKR 56,000 already paid counts towards the full LKR 120,000 total.

The LKR 108,000 upfront price requires one payment for the full Certificate Level Course at enrolment. No separate certification fee applies.



CPD STANDARDS OFFICE / PROVIDER LISTING

Oxley Façades Ltd is listed in the provider directory, ID 22488.

The directory uses earlier activity titles. Ask Oxley Façades to confirm the current activity scope and documentation for the Certificate Level Course and your intake.

Training activity accreditation is distinct from an academic degree, professional registration, a licence to practise or a guarantee of employment.

[View the official provider listing](#)

Learning from Sri Lanka

From Colombo's glass towers to buildings in cooler upland settings, façades help manage heat, light, rain and wind. Understanding these systems offers a valuable area of learning for Sri Lanka's next generation of built-environment professionals.

CONNECT THE SUBJECTS TO LOCAL CONDITIONS

Humidity & condensation

Connect moisture, dew point and surface temperature with condensation, corrosion and façade durability.

Rain & drainage

Explore weather resistance, joints, cavities and drainage in relation to wind-driven rain.

Temperature & insulation

Relate highland temperature variation to insulation, thermal bridges, glazing and material movement.

Wind, elevation & orientation

Consider wind exposure, loading, air density, pressure and the microclimates created by terrain and orientation.

CURRENT DELIVERY & FUTURE DEVELOPMENT

The current course in Sri Lanka is delivered live online, alongside learners worldwide. A dedicated institute in the Sri Lankan highlands is in development, with a vision of connecting environmental observation, technical study and industry engagement.

Facilities, opening arrangements and any future in-person learning, technical visits or project access will be shared as plans are confirmed. These planned activities are separate from the current online offering.

Career & progression

POTENTIAL FAÇADE CAREER AREAS

Design & digital modelling

Design, CAD and BIM roles, including façade designers and BIM modellers.

Engineering & consultancy

Engineering, consulting and technical support roles, subject to prior qualifications.

Projects & site delivery

Roles supporting façade projects, coordination and construction.

Performance & existing façades

Roles supporting quality, inspection, maintenance and remedial works.

YOUR BACKGROUND SHAPES YOUR STARTING LEVEL

NEW TO THE INDUSTRY

Trainee, junior or assistant opportunities, depending on your background and course entry requirements.

RELEVANT BACKGROUND

Suitable technical and professional opportunities that build on your existing qualifications and competence.

5+ RELEVANT YEARS

Potential senior or leadership opportunities where your competence meets the role requirements.

Opportunities and starting level depend on prior qualifications, relevant experience, competence and employer requirements. Engineering and consultancy roles may require appropriate technical qualifications or professional registration. Course completion does not guarantee a job or senior appointment.

Further development: Diploma in Façade Technology or Professional Diploma in Façade Engineering, subject to entry requirements.

DISCOVER MORE

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