RETROFIT
ACADEMY CIC

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CERTIFIED
Designer

BECOME A
CERTIFIED RETROFIT
DESIGNER

RETROFIT DESIGN REPRESENTS A HUGE OPPORTUNITY FOR EXISTING BUILT ENVIRONMENT PROFESSIONALS

BOOK YOUR PLACE

0330 055 7629 | info@retrofitacademy.org

Eligibility Qualified in architecture, architectural technology, surveying or construction management with experience of using design software.

Method of Study Supported online learning

Assessment Portfolio of evidence comprising verbal and written assessment.

Duration 80 hours to complete learning and assessments.

Timescales Self-paced (12 months to complete the course).

Cost £1499 plus VAT

RETROFIT DESIGN

What is a Certified Retrofit Designer?

Retrofit Designers are qualified design professionals with the knowledge and skills to practice on large-scale, high-quality domestic retrofit projects and programmes in the UK.

As defined in the governing British Standard PAS 2035, Retrofit Designers are qualified architects, surveyors, construction managers or architectural technologists.

The Career Opportunity

Leading design practices and contractors have an urgent need for Retrofit Designers with the knowledge and skills to practice on large-scale, high-quality retrofit projects. There is the potential to increase earnings or build your business in a fast-growing sector.

Unlocking Potential

Retrofit design is rarely taught in traditional degree courses. The Retrofit Designer course has been built by some of the UK's leading practitioners to help bridge the retrofit knowledge and skills gaps that many designers therefore have.

Only graduates from this intensive programme will become Certified Retrofit Designers through The Retrofit Academy, the UK's driving force in retrofit skills and knowledge.

THE RETROFIT ACADEMY DESIGNER COURSE

Building the Course

The Retrofit Designer course was developed by The Retrofit Academy to respond to the acute shortage of designers available to practice on large-scale, high-quality retrofit programmes.

The Academy commissioned Loreana Padron as Course Director and Martin Callachan as Course Editor to oversee the development of the course.

They worked with subject matter experts to build 16 new modules, assessments and case studies.

The Learning Experience

- **You will study online** via The Retrofit Academy's state-of-the-art Online Learning Platform.

- **You will attend expert-led workshops** to collaborate with peers and tackle real-world case studies.

- **To graduate, you will** complete written assignments under the supervision of an expert assessor.

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PROFESSIONAL MEMBERSHIP

Upon graduation, you will become recognised as a Retrofit Academy Professional Member at the appropriate level, often at Associate Level in your early years of practice. You can progress through Practitioner levels to ultimately apply for Retrofit Academy Fellowship.

Becoming a Certified Retrofit Designer also opens the door to a range of services designed to support your career and professional development provided by The Retrofit Academy. *The first 12 months are* **FREE** *post graduation.* The ongoing membership fee is £195 plus VAT per year.

Access to The Academy's Retrofit Professionals' Hub providing:

- Your own profile page to showcase your skills and achievements to the retrofit sector
- CPD Accredited courses to maintain professional status
- Connectivity with employers and job opportunities
- Access to 40+ online Professional Forums and Clubs per year
- Access to Technical Discussions and Best Practice Groups
- **Access to HomeLife® Software** – end to end retrofit management data-tracking, coordination, monitoring, lodgement and reporting with full **TrustMark** integration (usually costing up to £2000 per year).

WORKING WITH INDUSTRY EXPERTS

COURSE CONTENTS AND AUTHORS

Editorial Director: Loreana Padron, Associate Director & Head of Sustainability, ECD Architects

Course Editor: Martin Callachan, Head of Sustainability, Hillcrest

Course Reviewer: Dr Peter Rickaby, former Technical Author, PAS 2035

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Module 1
Introduction to Retrofit Designer Course
Loreana Padron and Martin Callachan

Module 2
The PAS 2035 Framework for Retrofit
Alan Pither, The Retrofit Academy

Module 3
Standards, Regulations, Guidance and Tools for Retrofit Designers
Patrick Osborne, Head of Sustainability, ECE Architecture

Module 4
Building Physics in Retrofit Design: Managing Energy Balance, Moisture Risks and Thermal Bridging
Colin King, Director, UK Centre for Moisture in Buildings and Patrick Osborne, Head of Sustainability, ECE Architecture

Module 5
Building Services for Designers
Bertie Dixon, Director and Xin Jin, Principal Engineer, Inside Outside Engineering

Module 6
Principles and Design Strategies for Optimising Air Quality and Ventilation
Simon Jones, Founder, Air Quality Matters

Module 7
Archetyping and Retrofit in Context for Traditional and Non-Traditional Construction Types
Carlotta Jansen, Associate, ECD Architects and Lilija Oblecova, Senior Architect, ECD Architects

Module 8
Large Scale Retrofit: Working with Data, Residents and Occupied Properties
Claire Raftery, Associate Director, Matthew Wingrove, Senior Architect, Marion Gray, Senior Architect and Vimbai Gwata, Senior Architect, ECD Architects

Module 9
Design Process & Strategy: Surveys, Energy Efficiency Measures and Case Studies
Lizzy Westmacott, Associate Director & Head of Sustainability, ECD Architects and Belen Alemany, Senior Sustainability Designer, Levitt Bernstein

Module 10
Planning Permissions and Retrofits: The Fundamentals of the UK Planning System
Claire Hattam, Principal Planning Consultant, Cundall

Module 11
Retrofitting Buildings of Heritage Significance
Jonathan Goode, Director, Le Lay Architects

Module 12
Fire Safety in Retrofit: Minimising Fire Risks on Retrofitted Buildings
Andrew Morrison, Managing Director, Keegans

Module 13
Avoiding Overheating: Risk Management Strategies
Susie Diamond, Founding Partner, Inkling

Module 14
Design Strategies for Flood Resilience
Martin Callachan, Head of Sustainability, Hillcrest

Module 15
Maintenance, Repairs and Handover of Retrofits
Martin Callachan, Head of Sustainability, Hillcrest

Module 16
Reducing Embodied Carbon and the Circular Economy Approach to Retrofit Design
Deborah Mooney, Consultant in Partnerships, Zero Waste Scotland

BUILT FOR FUTURE RETROFIT DESIGNERS BY RETROFIT DESIGNERS

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