# Rail Academy Brochure

RAIL ACADEMY

Brought to you by the industry's trusted organisation, the Institution of Railway Operators (IRO), Rail Academy is a bespoke online learning platform that adapts to the training requirements of your business.

"It has been a privilege to create Rail Academy with the input, assistance and ideas of the wider railway operations community. Rail Academy has created the opportunity for operators anywhere in the world to ensure their staff receive IRO's flagship online courses, bespoke learning materials and knowledge to develop themselves in a manner relevant to their role within their business. Engaging with the industry and listening to their biggest challenges in relation to training of staff and where they wish knowledge to be developed, has been key to ensuring Rail Academy is a huge benefit to the industry."

Danny Stafford – Industry Engagement Operations Manager,
Institution of Railway Operators

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# What is Rail Academy?

Rail Academy is a specialised learning portal designed to deliver online training opportunities for staff within the rail operations sector. Offering a selection of interactive training options, Rail Academy courses can be fully tailored to meet your business's unique learning requirements.
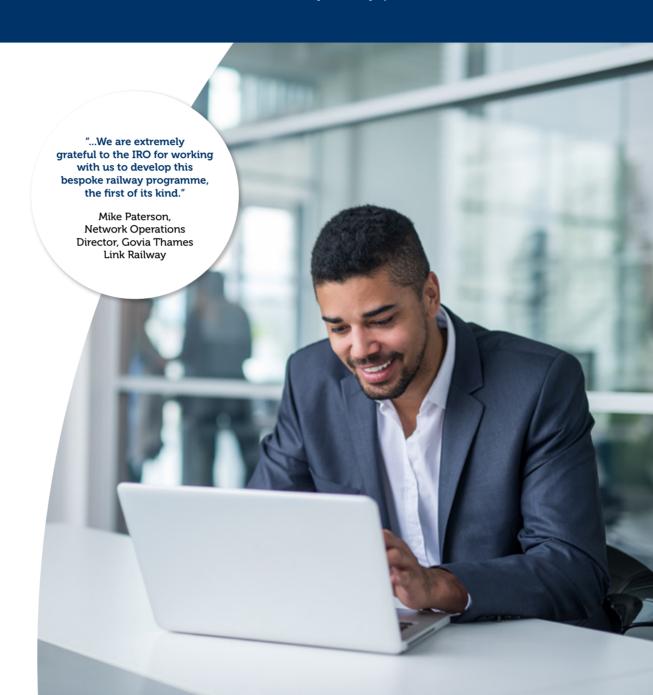
Specifically designed for the rail operations industry, a choice of fully customisable IRO flagship training programs can be adapted to meet your essential company objectives and specialised learning goals. Integrating the best sector knowledge, guidance and information, each flexible online course is delivered to wholly represent your brand and ethos.

All Rail Academy Corporate member organisations benefit from their own branded Member Room, for instant access to dedicated training resources including:

• Interactive 'Introduction to Rail' online course

• Interactive 'Rail Pro: 12 System Elements of Rail' course

• Professional Operators Development (POD) online booklet

Rail Academy courses are tailored to learners of all levels. For new starters, the 'Introduction to Rail' course offers excellent foundation knowledge. For time served staff looking to develop operational expertise, the 'Rail Pro: 12 System Elements of Rail' encompasses a broader spectrum of detailed learning and information.

Rail managers are also invited to work with Rail Academy to create bespoke learning packs, ensuring that the courses are relevant to individual job roles and requirements.

"...We are extremely grateful to the IRO for working with us to develop this bespoke railway programme, the first of its kind."

Mike Paterson,
Network Operations
Director, Govia Thames
Link Railway

**"The launching of The IRO's Rail Academy will further enhance the IRO's ability to provide for structured, balanced and relevant learning programs within Rail Operations..."**

Steward Langridge,
Board Member, Institution
of Railway Operators

Rail Academy provides two enrolment routes with a choice of managed and licensed courses, available for single or multiple learners, so signing-up your staff is quick and simple.

All Rail Academy courses are fulfilled completely online, to ensure that the effective and efficient training you need is available to your staff at the touch of a button, and fully-accessible in a location that's convenient for your business and the delegates.

## Managed Service

Let Rail Academy manage all your training requirements. The Managed Service training option is available across all courses and includes:

- Bespoke learning pack creation
- Learner enrolments
- Learner progress & assessment reviews
- Technical Support
- Delegate liaison
- Certificate distribution

This option is ideal for businesses looking to create a bespoke training programme, which can be tailored to include your specific content and used on an ongoing basis.

## Licensed Service

This convenient option allows you to purchase a set number of licenses and distribute courses to staff within your organisation.

The Institution of Railway Operators (IRO) will provide software demonstrations and guidance to the allocated training manager within your organisation, who will then be responsible for enrolling chosen staff over a set amount of time.

The IRO will offer ongoing technical support throughout this process. All course allocations and enrolments will be managed internally by your business.
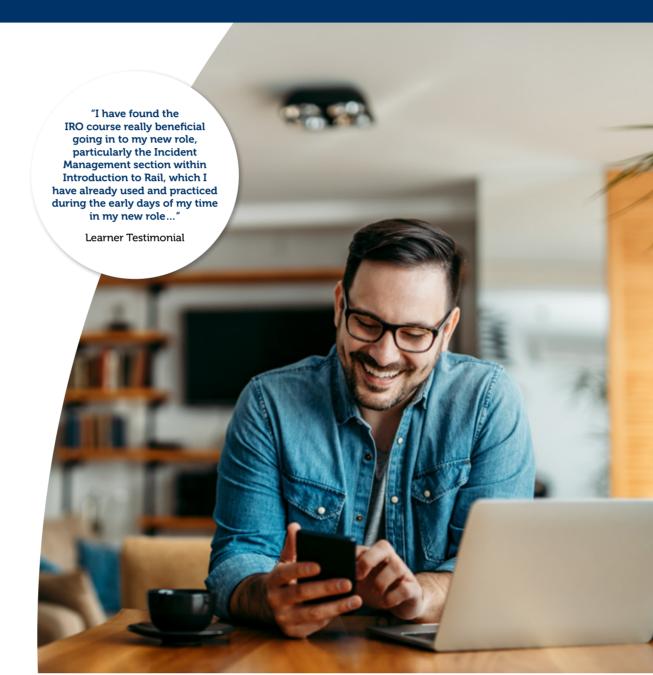
# Introduction to Rail

The 'Introduction to Rail' course offers a beneficial induction to the rail sector for new employees with no experience of railway operations.

Covering the organisation, methodologies and key technical aspects that surround the development and operation of UK railways, the course is interactive and engaging, providing an ideal foundation for a successful career in the sector. Learning is delivered through a mixture of short video lectures, accompanying text and assessment quizzes.

Delegates who are experienced in support function roles, have also found that the 'Introduction to Rail' course offers a valuable insight into the wider industry and enhances understanding of where their role fits into the day-to-day running of the business.

**The 9 components of this course are:**

- First Principles
- Signalling and Train Control
- Rail Freight
- Railway Track
- Development of the Railways
- Organisation of the Rail Industry
- Trains
- The Railway and the Passenger
- Planning and Delivery

"I have found the IRO course really beneficial going in to my new role, particularly the Incident Management section within Introduction to Rail, which I have already used and practiced during the early days of my time in my new role…"

Learner Testimonial

As one of the flagship Rail Academy courses, 'Rail Pro: 12 System Elements of Rail' is a comprehensive, interactive course which encompasses 12 sections of learning complementing the knowledge and competencies spanning the entire professional context of railway operators. This course reflects the POD (Professional Operators Development) framework.

Ideal for mid-level professionals keen to gain a more in-depth insight into the entire railway operations field, the course is delivered through a series of interactive online learning exercises. Packed with useful information, each module comprises core text and then a quiz at the end of each section and subsections. Carefully tailored questions have been devised to aid student learning. Thorough explanations are offered with the answers where appropriate.

On conclusion, delegates can print off a completion certificate for their records.

**Book your course today**

**03333 440 523**

**railacademy@ railwayoperators .co.uk**

## The 12 core components of this course are;

**Rolling Stock and Fleet Management:**

Reliability, maintenance schedules, defects, depot location, activities, planning.

**Railway Engineering, Maintenance & Renewal Management:**

Consequences of infrastructure problems, monitoring track performance, possessions, on-track machines, infrastructure/train interface, features and advantages of electrification.

**People and Change:**

Recruitment, safety-critical staff, medicals, employee relations, welfare, people issues when planning a major project.

**Railway Organisations Business Context:**

Stakeholders, organisational structure, access and franchising in the UK, hierarchy of ownership and operation, UK station regulatory & contracts regime, station maintenance, revenue allocation.

**Financial and Investment Planning:**

Budgets, sources of funding, fixed and variable costs, infrastructure enhancements, Guide to Investment Projects (GRIPS) risks, controlling costs.

**Performance Management:**

Quantifying the cost of delays, responsibilities, taking action to optimise performance and analysing data.

**Incident and Emergency Management:**

Response to an emergency, incident management structure and investigations. Performance Management: Quantifying the cost of delays, responsibilities, taking action to optimise performance and analysing data.

**Delivering Passenger & Freight Services:**

Operational requirements for passenger and freight trains and operating a passenger station.

**Delivering Customer Service:**

Hazards and risk control, assessing safety in rail operations.

**Managing Safety:**

Operational requirements for passenger and freight trains and operating a passenger station.

**Operational Planning and Timetabling:**

Operational Planning and Timetabling: Timetable processes, timescales, headways, engineering access, exploitation of capacity, pathing constraints.

**Train movement and Control Systems:**

The basics of setting a signal route, train spacing, track circuit operation, failsafe, the introduction and levels of the European Train Control System (ETCS).

"...The IRO's long history of industry engagement means it is ideally suited to provide all rail operators with these essential learning programs."

Steward Langridge,
Board Member, Institution of Railway Operators

Created by the rail industry, for the rail industry, Rail Academy training courses offer impact, flexibility, and excellent value for your business.

A choice of managed or licensed enrolment options ensures that managers can have as much or little involvement in the training as capacity allows. The number and frequency of the courses purchased is completely adaptable to the exact requirements of your business and staff levels.

Setting Rail Academy apart is the option to fully customise every aspect of the platform to reflect the unique nature of your business; from logos and brand guidelines to internal documentation and specialist information.

With Rail Academy, integrating your bespoke content is quick and simple, resulting in an exclusive and effective online training experience, which will provide both new and existing staff with essential learning progression, sector-specific skills, and up to date knowledge.

The dedicated and experienced team at Rail Academy work alongside your business, from concept to completion of your co-created courses; ensuring your key learning objectives are met and your courses are set for success.

And, for every Rail Academy corporate member, access to an exclusive branded 'member room'; including ready-to-access courses for new and experienced staff, ensures that verified training content is at your fingertips.

Because Rail Academy courses are completed 100% online, learners can manage their personal progress, access the platform around current work commitments and complete training using any kind of internet enabled device with which they feel comfortable.

To start your company's journey with Rail Academy, register your interest today.

## Contact Us

Rail Academy: Putting customised, ready-to-access railway operations training at your fingertips.

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