



**SYMMONS
MADGE**
ASSOCIATES





Over 400
Courses

Training Portfolio

- Bridges
- Construction
- Design – Eurocodes
- Design – General
- Drainage & Hydrology
- Environmental & Sustainability
- Forms of Contract
- Geotechnical, Piling & Ground Engineering
- Health & Safety
- Highways
- Management Development
- Project Management
- Railways
- Commercial Awareness
- Specification, Estimating & Measurement
- Surveying
- Temporary Works
- Transportation



- Online Training Courses
- In-House Courses
- Regional Training Centres

Bridges

- Bridge and Highway Maintenance
- Bridge Inspector Certification Scheme NHSS31 - C1 and C2
- Bridge Inspector Certification Scheme - C3
- Bridge Inspector Certification Scheme - C4
- Bridge Inspector Certification Scheme - C5 and C6
- Inspection, Maintenance & Repair: Concrete Structures
- Inspection, Maintenance & Repair: Steel Structures



CIHT & IHE
Approved Training
Partner



For full course outlines head over to www.symmonsmadge.co.uk



Design - Eurocodes

- Basis & Actions
- Concrete
- Steel
- Timber
- Masonry
- Geotechnical
- Earthquakes
- Aluminium
- Struct Fire Design

Design - General

- Gabion Retaining Wall Design
- Managing the Design Process
- Post-tensioning for the Consulting Engineer
- Structural Masonry - Introduction
- Structural Steelwork Detailing

Construction

- Buildability
- Building Defects -Technology and Repair
- Building Regulations:Supporting Approved Documents
- Concrete Technology and Construction
- Concrete Technology Workshop
- Concrete Properties, Materials and Practice
- Dampness and Condensation in Buildings
- Exterior Lighting
- Inclusive Design, EA 2010 & Building Regs
- Construction Materials
- Building Information Modelling
- Lighting of Buildings
- Management of Subcontractors - Building
- Managing Change on Construction Projects
- Selection and Safe Use of Plant
- Structural Steelwork - Technical Awareness
- The Party Wall Act
- Dealing with dampness in buildings
- Wall Tie Failure
- Wall, Floor and Roof Types - Typical Defects
- Installation and Checking of Loose Fixed Steel Reinforcement on Site



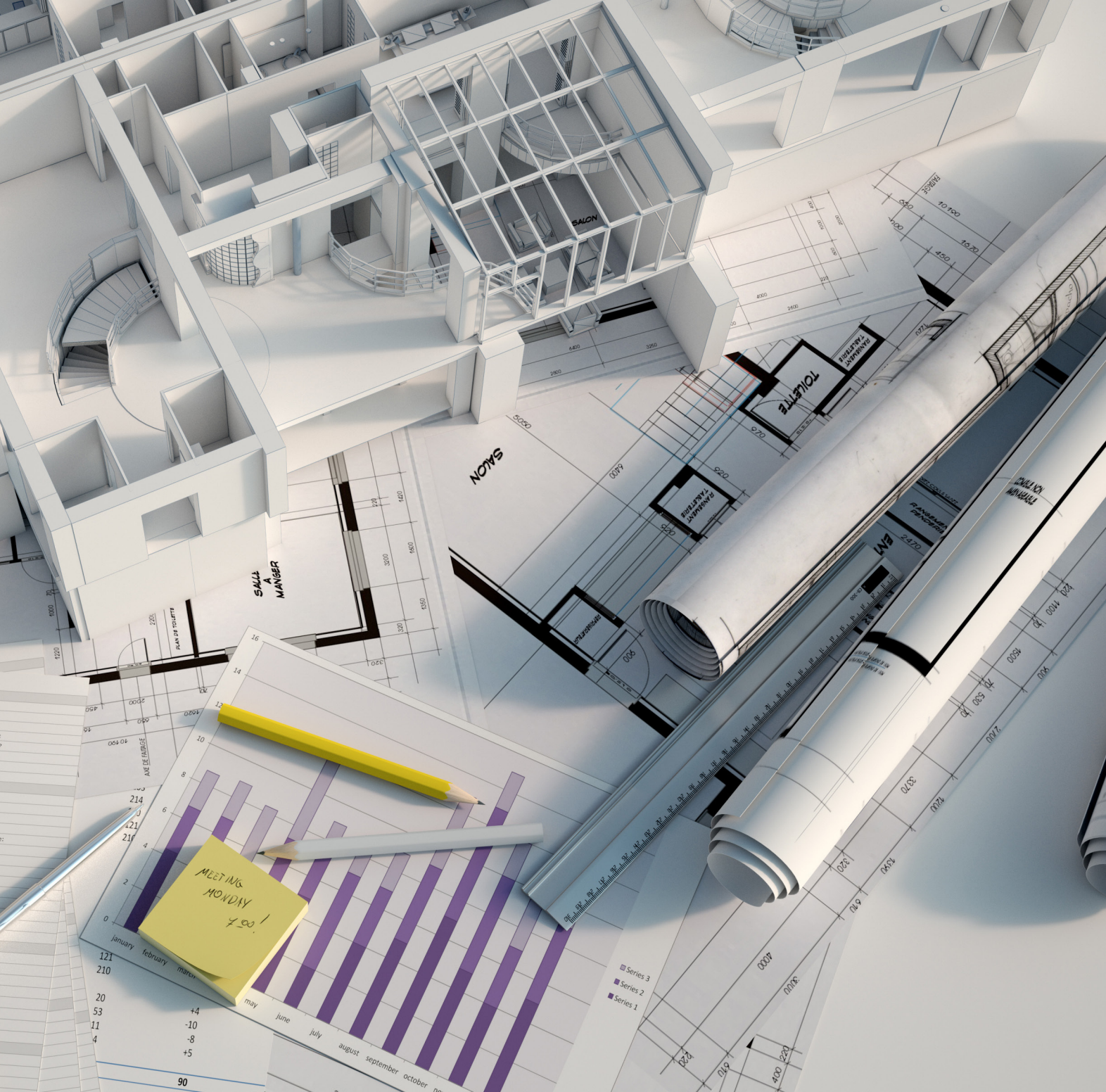
Drainage & Hydrology

- Drainage - An Introduction
- Drainage Design (Foul and Surface Water)
- Drainage for non-engineering professionals
- Highway Drainage Design - Piped Networks
- Highway Drainage Design - Sustainable Solutions and Adapting to Climate Change
- Introduction to Hydrology
- Land Drainage Law for Non-Legal Professionals
- Low Flows Hydrology and River Flow Estimation
- Review of the Legal Requirements for Highway Authorities for Maintenance, Drainage, Law & Traffic Management
- SuDS - Engineering Aspects: Introduction
- Surface Water Culvert Design
- Wastewater Treatment Technologies



Environmental & Sustainability

- Achieving BREEAM “Excellent”
- Assessment & Remediation of Contaminated Land
- Corporate Social Responsibility - A Practical Guide
- Environmental Aspects and Impacts
- Environmental Assessments
- Environmental Auditing ISO 14001:2015
- Environmental Impact Assessment - Management Course
- Environmental Law
- Environmental Legislation
- Environmental Management
- Environmental Policy, Performance and Reporting
- Flood Estimation using the Revitalised Flood
- Hydrograph Method (ReFH)
- Flood Frequency Analysis using the FEH Statistical Method
- Flood Risk Assessments
- Flood Risk Assessments (Scotland)
- Office Waste Management
- Site Waste Management Plans
- Sustainable Development and Sustainable Construction
- Understanding BREEAM



Geotechnical, Piling & Ground Engineering

- Adding Value by the Application of Geo-Engineering
- Design and Construction of Minipiles
- Earthworks
- Foundation Failures and Remediation
- Geosynthetics
- Ground Investigation 1 - The Ground Investigation Report
- Ground Investigation 2 - Interpretation for Design
- Piling Engineering
- Piling, Design & Construction
- Sheet Piling & Cofferdams - Construction
- Soils, Trenching, Excavations and Piling
- Sustainable Design in Geotechnical Applications
- Sustainable Geotechnics - Opportunities for Infrastructure Applications

Forms of Contract

- Dispute Resolution
- FIDIC
- GC/Works
- General
- ICC
- IChemE
- JCT
- NEC3 & NEC4
- PPC 2000



- Online Training Courses
- In-House Courses
- Regional Training Centres

For full course outlines head over to www.symmonsmadge.co.uk

Highways

- Advanced Road Safety Audit
- Area Lighting
- Asphalt Technology for Civil Engineers & Civil Engineering Contractors
- Asphalt Technology: An Introductory Course for Civil Engineering Construction
- Bills of Quantities for Highway Works
- Design of Road Signs and Markings - Introduction
- Designing Streets
- Development and Highways
- Environmental Impact Assessments Highways
- European Asphalt Standards within Highway Works
- Highway Engineers or Public Space Designers?
- Highway Law - Advanced / An Introduction
- Highway Law in Development Management
- Legislation of use of Public Highways
- Maintaining Road Surfaces in Times of Financial Restraint

Highways cont..

- Managing Highways Maintenance
- Manual for Streets
- Manual of Contract Documents for Highway Works
- Measurement of Highway Works - Earthworks
- New Roads and Street Works Act 1991 & Traffic Management Act 2004
- On Street Parking Scheme Design
- Practical Highway Design
- Practical Introduction to Asphalts
- Road Safety Audit
- Road Safety Audit, Environmental & Sustainability Awareness for Highway Engineers
- Road Safety Awareness for Highway Engineers
- Safety at Street Works and Road Works
- Street Lighting Design - An Introduction
- Traffic Signs Manual Chapter 8
- Various Types of Pavement Design

Health & Safety

- General
- Asbestos
- CDM
- CITB
- Electricity
- Fire
- ICE Attributes



- Customer / Client Relationship
- Conflict Resolution
- People Skills
- Quality Assurance
- Self Management
- Supervising & Management Skills

Management Development



Railways

- Bridge Strike (Nominee)
- Bridge Strike - Prevention of, and response to, road vehicles striking rail bridges
- Concrete for Railway Engineering
- Passing of Trains Over Broken Rail
- Rail Safety Awareness
- Railway Project Management
- Railway Project Management Awareness
- Railway Project Planning
- Railway Signalling (Induction)
- Railway – Construction (Design & Management) Regulations (2015) Awareness
- Railways - 100 Basic Principles
- Railways - Safety Management for Rail Projects

Project Management

- Building Information Modelling - An Introduction
- Commercial Management of Projects
- Construction Planning and Programme Management
- Construction Project Management
- Essentials of Effective Project Management
- Project Planning
- Understanding Value Management
- Value Engineering/Value Analysis





Sales, Marketing & Commercial Awareness

- Commercial Appreciation
- Commercial Awareness
- Commercial Training for Engineers
- Cost Value Reporting and End of Life Forecasting
- Finance for Non-Financial Managers
- Financial Management of Projects
- Financial Management of Projects (ICE Attribute Number 5)
- Subcontractor Procurement and Management – Stage 1
- Subcontractor Procurement and Management – Stage 2
- Value Management & Value Engineering

- **Specification**
- Specification Writing – General
-
- **Estimating**
- Estimates, Costs, Budgets & the Importance of Value
- Estimating, An Introduction
-
- **Measurement**
- CESMM3
- CESMM4
- Measurement & Valuation of Civil Engineering Works
- NRM2: Detailed Measurement

Specification, Estimating & Measuring



Temporary Works

- Basic Principles of Formwork
- CITB Accredited - Temporary Works Coordinator
- CITB Accredited - Temporary Works General Awareness
- CITB Accredited - Temporary Works Supervisor
- Formwork, Falsework, Back-Propping, and Scaffolding
- Role of the Temporary Works Coordinator and Temporary Works Supervisor
- Scaffold Safety Awareness
- Scaffolding Safety Inspection
- Temporary Works and Historic Buildings
- Temporary Works Design - Introduction
- Temporary Works Management - Commercial & Financial Aspects
- Temporary Works Supervision - Introduction for Site Engineers/ Supervisors

BS 5975:2019.

Surveying

- GNSS/GPS Awareness (1 day)
- Levelling and Setting Out of Heights (2 days)
- Surveying and Setting Out for Site Engineers (5 days)
- Introduction to Setting Out by Total Stations
- Setting Out by Total Stations for Site Engineers (2 days)
- Setting Out by Total Stations for Site Engineers (3 days)



Transportation

- Active Travel: Context & Planning
- Active Travel: Designing for Walking & Cycling
- Collision Investigation & Prevention
- Consultation for Transport Professionals
- Introduction to Transport Modelling
- Parking Scheme Design
- Priority Junction Operation and Capacity Analysis
- Traffic Data Collection, Analysis and Validation
- Traffic Orders
- Transport Assessment
- Urban Logistics



CIHT & IHE
Approved
Training
Partner



Year in Industry

We currently place around a 100 students each year through our Year In Industry programme...

Affiliated with Cardiff University, our Year In Industry initiative offers undergraduates studying for BEng and MEng degrees the opportunity to gain practical work based skills and further knowledge during a “sandwich year” industrial placement which normally takes place between the 2nd and 3rd year of their degree course.

Benefits for the Employer

- Cost effective sourcing of high quality staff
- Provides flexible labour management
- Opportunity for an extended assessment of a student before committing to subsequent full-time employment
- Reliable conduit for recruiting graduates





Coaching & Mentoring

From large national companies to medium and small businesses, we can help you start or accelerate the process of getting your staff professionally qualified, either by supporting your existing SCE/ Manager or providing you with a Mentor who can fulfil this role.

Our scheme complies with the requirements of the Engineering Council and is recognised by many Institutions as the basis of their professional training.



We offer

- Cost effective and efficient way to maximise the professional potential of your staff.
- Individual guidance and support by an experienced Mentor
- Provision of bespoke training to meet individual employee's needs



Achieving Professional Status

CIHT

- CIHT CEng & IEng - Preparation Day for your Professional Review
- CIHT Review Portfolio and Project for CEng and IEng

ICE

- Civil Engineering Technician Development and Qualification
- How to Become Professionally Qualified - for Non-Engineers
- ICE Chartered and Member Professional Review
- ICE Technical Report Route (TRR)
- ICE Written Exercise Topics & the Attributes
- Partnering and Mentoring for Engineers
- Role of the Supervising Civil & Delegated Engineers
- The ICE Reviews – What you Need to Know
- ICE Chartered & Member Professional Review - Effective Preparation for your Review

IStructE

- Institution of Structural Engineers Part 3 Examination

Getting
Qualified





Contact Us



Bookings & further information:

01446 775959

Email us:

admin@symmonsmadge.co.uk

Address:

Vale Forge
North Road
Cowbridge
Vale of Glamorgan
CF71 7DF

Website:

www.symmonsmadge.co.uk