



INSTITUTE OF HIGHWAY ENGINEERS HIGHWAY DEVELOPMENT MANAGEMENT TRAINING DIRECTORY



**A list of relevant training course has been compiled matched to the broad Competence levels used in the IHE Professional Certificate.
On the last page you will find web links to all the Providers listed.**

LEVELS OF COMPETENCE **Competence = Knowledge + Performance**

The IHE Professional Certificates are awarded at three **COMPETENCE** levels:

1. Foundation

You should be able to apply proven techniques and procedures or know where to access relevant legislation and best practice. You may have detailed knowledge of specific areas and/or you may exercise supervisory responsibilities.

2. Practitioner

You should be managing the application of current technologies, be able to solve complex problems and lead the specification, design or implementation of schemes ensuring effective delivery and quality.

3. Expert Practitioner

You should be exercising significant leadership and management and have policy responsibilities. You will be responsible for developing in depth and original responses to complicated and unpredictable problems or applications and may be a recognised industry expert.

TWO LEVELS OF KNOWLEDGE ARE USED

At **Foundation** level applicants are broadly expected to have **Awareness (A)** which is knowing what it is, when applies, limitations, key stakeholders, where to find information,

Practitioners are expected to display full **Knowledge (K)**. They should know and understand the underlying principles (why as well as how).

Awareness does not mean merely 'aware that it exists'. The awareness level requires all the elements listed above.

Knowledge is all of the above in more specific, detailed and quantitative terms, and additionally includes the underlying theory/principles (where it is appropriate that this should be known in order to use the technique) and a knowledge of the procedures (from decision whether to use the technique, planning its use, through data collection, data processing/analysis, presenting information, to making decisions, etc.).

HIGHWAY DEVELOPMENT MANGEMENT TRAINING DIRECTORY

1. THE DEVELOPMENT CONTROL PROCESS			
KNOWLEDGE	LEVEL	TRAINING COURSES	PROVIDERS
Overview		Urban design (linked seminars) Transport & Town Planning Post Experience Certificate (Distance Learning/6 modules at 10 hours)	UD London, UD Skills (2007) Aston
1.1 Planning process			
Current planning and highway legislation Current statutory regulatory requirements and best practice Guidance on environmental and sustainability issues, equality and disability		Highway Law The Law – what it means for H&T engineers and planners Highway legislation and administration (a BTEC Module. Distance Learning) Responsibilities for public highways (a Distance Learning short course)	IHE, LGG, Aston, TTL, GC Legal PTRC Bath HOT Bath HOT
1.2 Planning procedure			
Principal national regional and local policy documents and best practice guidance for - planning - transport Current relevant (road) safety requirements and guidance Planning framework and procedures - obtaining planning consent - planning conditions and obligations		Funding and financing of residential developments Innovations in integrated transport & land-use planning	Foxley Tagg PTRC

1.3 Role of HDC (Assessment, Adoption, Policy)			
Financial options for funding transport infrastructure and facilities Implementation and enforcement of planning obligations		Making the most of S106 Agreements Transportation planning update Section 106: advanced course Implementation and enforcement of planning obligations Highways and development Transport evidence for RSS and LDF	TRA Alder Cross LGG Foxley Tagg LGG Aston
1.4 The Appeals Process			
Public Inquiry procedures and planning appeals Submission and evaluation of evidence Preparation of proofs of evidence		Public Inquiries – giving evidence – preparing witness statements – writing proofs of evidence. Conducting planning appeals	Prof Solutions, UWE, RTPI, PTRC (3 days), Foxley Tagg LGG
2. ISSUES TO BE CONSIDERED IN DEALING WITH A PLANNING APPLICATION			
National, regional and local policies. Principles of: - master planning - highway design - urban/public realm design - traffic engineering and management - accessibility - drainage design - cycling and pedestrian needs - road safety - traffic signal control - demand management - travel planning - Sustainable travel .		Policy framework (PPS, LDFs, LTPs) - Transport Planning and Traffic Management (a BTEC Module. Distance learning) - Traffic engineering Post Experience Certificate (Distance Learning/6 modules) - Transport & Town Planning Post Experience Certificate (Distance Learning/6 modules each at 10 hours) - Evening lecture series on traffic and transportation Continues	Bath HOT Aston Aston PTRC

<p>Identify, interpret and use all relevant data in developing or analysing a development from a highway standpoint. Principles of traffic and travel generation and the key factors Key characteristics of main software packages and analysis techniques, their strengths and weaknesses.</p>			
		<p>Highway design, construction and management</p> <ul style="list-style-type: none"> - Highway Design (a BTEC Module, Distance learning) - MfS: a guide for practitioners - Urban design (MA modules) - Accessibility and mobility awareness - Design & management of the Public Realm (5 days. Assessed. Supported by IHE. Multidisciplinary, leads to Foundation Certificate.) - Street management & design - Urban design London: TfL – led courses/workshops - Introduction to Highway Design (2 days) - Design in DC - Urban design (for planners) - Design for cycling - Design, construction and maintenance of highway drainage (2 days) - SUDS: network and courses - Designing for pedestrians and disabled users (4 days: 3 modules) for TfL - Providing for disabled road users - NMU audits (2 days) - Road safety engineering techniques - Risk assessment for RS practitioners - Design & detailing of Highways (DMRB) (2days) 	<ul style="list-style-type: none"> - Bath HOT - Aston - Oxford Brookes - Foxley Tagg - PRIAN - Foxley Tagg - UDL - TMS - TRA - RTPi, TRA - PTRC - PTRC - CIRIA - PTRC - TMS - TMS - PTRC, TMS, Hyder - TMS - TTL

		<ul style="list-style-type: none"> - Road Safety engineering (AIP) ROSPA 2 week course - Road Safety engineering refresher (5 days) - Introduction to RSA - Designing for Active Travel 	<p>TMS</p> <p>Aston</p> <p>TMS, Alder, Aston</p>
		<p>Network capacity Junctions</p> <ul style="list-style-type: none"> - Linsig– introduction / small network - Transyt (1-2 days) - ARCADY / PICADY - Introduction to Traffic Signals and crossings (2/3 days) - Introduction to Junction Design (3 days) - Introduction to Traffic Management (3 days) - Introduction to Traffic Calming (Advanced) (3 days) - Introduction to Roundabout Design (2 days) - Vulnerable Road users - Data collection and processing - Traffic survey techniques 	<p>JCT</p> <p>JCT, TRL TRL JCT,TMS</p> <p>TMS</p> <p>TMS</p> <p>TMS</p> <p>TMS</p> <p>TMS</p> <p>TMS TMS PTRC</p>
		<p>Transport Assessments (TRICS, TAs)</p> <ul style="list-style-type: none"> - Introduction to transport modelling - TRICS user groups / annual conference - Transport Assessments (2 days) - S – Paramics (3 days) - Demand management 	<p>Aston</p> <p>TRICS/RTPI networks</p> <p>TMS</p> <p>SIAS /Paramics</p> <p>Aston</p>
		<p>Ownership</p> <p>Responsibilities for public highways (a Distance Learning short course)</p>	<p>Bath HOT</p>

		<p>Design and master planning of Public Realm</p> <ul style="list-style-type: none"> - Legal issues in highway safety - MfS: a guide for practitioners - Urban design London: TfL – led courses/workshops - Design & access statements - Urban design (linked seminars) - Urban design (for planners) - Design & Management of the Public Realm 	<p>Aston, TMS UDL UD London, UD Skills (2007) UD London, UD Skills (2007) RTPI, TRA PTRC PRIAN</p>
		<p>Sustainability (Parking)</p> <ul style="list-style-type: none"> - Sustainability and the planning process - Promoting / facilitating Car Clubs - Planning and sustainable design (seminar) 	<p>TRA CarPlus RTPI/SW</p>
		<p>Travel plans</p> <ul style="list-style-type: none"> - Diploma in Travel Planning Sponsored by TfL (NVQ level 4, 120 hours study plus project) - Introduction to Travel Planning (Part of Diploma. Web delivered. Assessed) - Travel Plan Development (Web delivered. Part of Diploma) - ACT Introduction to workplace travel planning - ACT Residential travel plans - ACT Travel planning for higher education - Annual Smarter Choices Conference - ACT Promoting car sharing - Road Safety issues in Travel Plans 	<p>OU OU OU PTRC PTRC, Foxley Tagg PTRC PTRC PTRC TMS</p>

3. MANAGE PUBLIC CONSULTATION AND ENGAGEMENT			
Principles of the design, management and analysis of programmes of community involvement, stakeholder engagement and public consultation. Consultation and engagement techniques and approaches and their relative effectiveness. How to assess the validity of the findings. Negotiation skills.		Pre-application discussions Planning conditions and obligations Negotiation skills	TRA TRA, UWE UWE, RTPI, TRA Foxley Tagg
4. ISSUES TO CONSIDER POST-PLANNING CONSENT			
Law and guidance on: - adoption of roads - adoption of sewers - monitoring travel plans		Section 38s Section 278s Drainage law	GCLegal GCLegal GCLegal
5. PROVIDE TECHNICAL AND COMMERCIAL MANAGEMENT			
Project management techniques and tools commonly used in highway development control. Personal Management techniques		Managing the DC process	TRA
6. COMMUNICATION AND INTERPERSONAL SKILLS			
Report writing Presentation techniques Communication techniques			
7. OBLIGATIONS TO BEHAVE PROFESSIONALLY, TO SOCIETY, THE PROFESSION AND THE ENVIRONMENT			



PROVIDERS

www.tra-ltd.co.uk

www.built-environment.uwe.ac.uk/short/

www.urbandesignskills.com

www.rtpiconferences.co.uk

www.ptrc-training.co.uk

www.foxleytaggplanning.co.uk

www.tmsconsultancy.co.uk

www.jctconsultancy.co.uk

www.trl.co.uk

www.aldercross.com

www.lgg.org.uk

www.urbandesignlondon.com

www.tttrain.co.uk

www.aston.ac.uk/professionaltraining/

www.cityofbathcollege.ac.uk/courses/course1691

www.prosols.com

[www.brookes.ac.uk/schools/be/!](http://www.brookes.ac.uk/schools/be/)

www.trics.org

www.carplus.org.uk

www.gclegal.co.uk

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