

theLIA  
Academy



# COURSE SCHEDULE 2019

May - December

# DEVELOPING THE LIGHTING COMMUNITY FOR A BRIGHT AND EXCITING FUTURE

Offering a wide range of learning in the areas of:

- Lighting Application and Design
- Lighting Design Software
- Emergency Lighting
- Lighting Controls
- Standards, Legislation and Compliance
- Photometry and Technical
- HNC/HND Lighting Design and Technology

...and more

The most popular courses are scheduled 6 months in advance, although new courses and more dates are constantly being added.

Contact us for more details.

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## LIGHTING INTRODUCTION

A definitive overview of the lighting sector covering the science, standards, regulations and business of the lighting industry.

VENUE AND DATES								COST	
MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEMBER	NON MEMBER

### Introduction to lighting - 1 day

An overview of the lighting sector covering the key ideas, terminologies and definitions

The LIA, Telford 8	-	The LIA, Telford 9	-	The LIA, Telford 24	-	-	The LIA, Telford 3	£75 + VAT	£150 + VAT
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## LIGHTING APPLICATION AND DESIGN

The Lighting Industry Association has a long and proven track record delivering courses in Lighting Application and Design. Applicable to a wide audience from manufacturers to clients and from facilities managers to design consultancy practices, they have been the catalyst for many long and successful careers in lighting. Following a substantial investment, the Certificate course was fully revised in 2017 as were Advanced Certificates in 2018, both with great acclaim from course delegates.

### Certificate Course

The fully revised Certificate course material is structured as modules that can be taken together or separately, on consecutive days or spread over a longer period, to suit your needs or experience. To be awarded the Certificate all three modules and a project on lighting design must be completed sequentially within a 6-month window. The final part of the course is a half-day briefing session on the project scheduled on the morning after the Lighting Design module.

VENUE AND DATES								COST	
MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEMBER	NON MEMBER

### The LIA Certificate Course - 4.5 days

The complete Certificate course provides a recognised grounding in lighting and comprises the 3 modules (on page 5) and a lighting design project

South East 20	-	The LIA, Telford 8	-	South East 9	The LIA, Telford 21	-	South East 2	£985 + VAT	£1,185 + VAT
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To be awarded the LIA Certificate delegates will take all 3 modules:

[Lighting Fundamentals](#) | [Light Sources and Luminaires](#) | [Lighting Design](#)

Delegates will need to take the modules sequentially and then complete a lighting project.

## Certificate Course Modules

The Certificate course modules are also offered as stand-alone courses for those who only want to study a specific module.

VENUE AND DATES								COST	
MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEMBER	NON MEMBER

### Lighting Fundamentals - 2 days

Looks at the basic principles of light and lighting. This includes how light is produced and how light is measured, how our eyes adapt to light, colour temperature, colour rendering, lighting terminology, how photometric data is created and interpreted.

South East 20	-	The LIA, Telford 8	-	South East 9	The LIA, Telford 21	-	South East 2	£585 + VAT	£745 + VAT
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### Light Sources and Luminaires - 1 day

Looks at all types of light sources and covers in depth LED Lighting. Luminaire construction and classification is also covered as is legislation, compliance, CE marking, safety standards & lighting controls.

South East 22	-	The LIA, Telford 10	-	South East 11	The LIA, Telford 23	-	South East 4	£335 + VAT	£385 + VAT
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### Lighting Design - 1 day

Lighting design considerations, including planning a layout, maintenance & replacement, use of colour and control. Glare the use of Daylight and Emergency Lighting is also covered.

South East 23	-	The LIA, Telford 11	-	South East 12	The LIA, Telford 24	-	South East 5	£395 + VAT	£425 + VAT
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### Advanced Certificate Courses

For lighting designers in manufacturers, design practices and the wider industry, these courses deepen your skills, knowledge and understanding of lighting design techniques and application. Structured in the way your industry works, from concept through detailed design to specification, the courses give a strong framework for analysing, designing, proving and delivering successful and professional schemes.

VENUE AND DATES								COST	
MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEMBER	NON MEMBER

#### Interior Lighting Design - Advanced Certificate - 3.5 days

Topics of colour, glare, energy efficiency, daylighting and wellbeing are covered through real world examples of office, retail and museum lighting to give a thorough knowledge of interior lighting.

The LIA, Telford 13	South East 24	-	-	The LIA, Telford 16	-	South East 25	-	£850 + VAT	£1,050 + VAT
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#### Exterior Lighting Design - Advanced Certificate - 3.5 days

Subjects including placemaking, light pollution, masterplanning, lighting impact studies, and CCTV are covered through real world examples of urban spaces, skyscrapers, heritage façades, railway stations, airports and area lighting.

-	South East 3	-	-	The LIA, Telford 9	-	South East 18	-	£850 + VAT	£1,050 + VAT
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#### New Advanced Certificate Courses - dates coming soon

<b>Road Lighting - Advanced Certificate</b> A course designed to further develop delegates who are specialising in the application and design of Road Lighting.								£850 + VAT	£1,050 + VAT
<b>Lighting Photometry &amp; Technology - Advanced Certificate</b> Designed for those who want to further their skills and knowledge in Photometrics and the technology behind lighting to the next level.								£850 + VAT	£1,050 + VAT

## LIGHTING DESIGN SOFTWARE

Lighting Design Software courses to suit various levels of experience, incorporating information on the latest developments.

VENUE AND DATES								COST	
MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEMBER	NON MEMBER

### Relux Software - Foundation - 1 day

Aimed at those who choose ReluxDesktop as their lighting planning and design tool.

-	The LIA, Telford 10	South East 16	The LIA, Telford 20	South East 24	-	The LIA, Telford 5	South East 10	£325 + VAT	£375 + VAT
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### Relux Software - Intermediate - 1 day

Building on the Foundation concepts to further develop Relux knowledge.

-	The LIA, Telford 11	-	The LIA, Telford 21	-	-	The LIA, Telford 6	-	£345 + VAT	£385 + VAT
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### Relux Software - Advanced - 1 day

Progressing knowledge to use the advanced functions of the Relux software.

-	The LIA, Telford 12	-	The LIA, Telford 22	-	-	The LIA, Telford 7	-	£345 + VAT	£385 + VAT
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### DIALux Software - Foundation - 1 day

An ideal entry-level course for designers and sales engineers who wish to learn lighting design software.

-	South East 5	-	-	The LIA, Telford 4	-	South East 25	-	£325 + VAT	£375 + VAT
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### New DIALux Design Software Courses - dates coming soon

<b>DIALux Software - Intermediate</b> Building on the Foundation concepts to further develop DIALux skills and application.								£345 + VAT	£385 + VAT
<b>DIALux Software - Advanced</b> For proficient users of the software who want to fine-tune their software skills.								£345 + VAT	£385 + VAT

## LIGHTING DESIGN SOFTWARE continued

VENUE AND DATES								COST	
MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEMBER	NON MEMBER

### DIALux Evo Software - Foundation and Design - 2 days

A two day entry-level combined course for those new to lighting design using DIALux Evo software with an introduction to the key lighting and lighting design topics relevant to simple lighting layouts.

-	-	-	-	-	The LIA, Telford 9	-	-	£595 + VAT	£725 + VAT
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### DIALux Evo Software - Foundation - 1 day

Providing an entry-level understanding of DIALux Evo as a lighting design and planning tool through practical tasks to develop the understanding and experience of the software.

-	-	The LIA, Telford 2	-	South East 10	-	The LIA, Telford 5	-	£325 + VAT	£375 + VAT
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### DIALux Evo Software - Intermediate - 1 day

Offering a deeper understanding of the software, the delegates will need to have an understanding of the fundamentals of the software and of the lighting design terms.

South East 1	-	The LIA, Telford 3	-	South East 11	-	The LIA, Telford 6	-	£345 + VAT	£385 + VAT
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### DIALux Evo Software - Advanced - 1 day

Using the software to include fine level detailing of the design model. It is a final level course where delegates will be guided through practical tasks to fine tune their understanding and experience of the software.

South East 2	-	The LIA, Telford 4	-	South East 12	-	The LIA, Telford 7	-	£345 + VAT	£385 + VAT
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### New Lighting Design Software Courses - dates coming soon

#### Lighting Reality

A course designed for those wanting to use Lighting Reality to design a roadway lighting project.

								£345 + VAT	£385 + VAT
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## EMERGENCY LIGHTING

Understanding the specific background, requirements and legislation for the installation of Emergency Lighting, endorsed by ICEL.

VENUE AND DATES								COST	
MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEMBER	NON MEMBER

### Emergency Lighting Foundation, legislation and standards (endorsed by ICEL) - 1 day

Legislation, standards, guidance, practice and design considerations for all users and specifiers of emergency lighting.

The LIA, Telford 16	-	The LIA, Telford 17	The LIA, Telford 19	South East 25	The LIA, Telford 29	-	South East 11	£325 + VAT	£375 + VAT
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### New Emergency Lighting Design Courses - dates coming soon

<b>Emergency Lighting Design</b> Focusing on Emergency Lighting design and specification, and the importance of getting it right.	£345 + VAT	£385 + VAT
<b>Emergency Lighting Risk Assessment</b> Identifying, exploring and understanding the breadth of risk assessments relating to Emergency Lighting.	£345 + VAT	£385 + VAT

## LIGHTING CONTROLS

The potential of lighting controls for modern-day lighting is vast. For 2019 the LIA is working hard to introduce new Basic and Advanced level courses to help the lighting community make the most of the exciting new Lighting Control products now on the market.

COURSES	COST	
New Lighting Controls Courses - dates coming soon	MEMBER	NON MEMBER
<b>Lighting Controls - Basic</b> Starting with the basics of the strategies by room and user, then moving to products and protocols.	£325 + VAT	£375 + VAT
<b>Lighting Controls - Advanced</b> Developing a deeper understanding of what works together and how to get it working in a coherent strategy to reduce energy yet provide comfort for users.	£325 + VAT	£375 + VAT

## STANDARDS AND LEGISLATION

Covering the range of standards and legislation that impact the lighting community and providing the necessary updates.

VENUE AND DATES								COST	
MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEMBER	NON MEMBER

### Lighting Legislation, Compliance Control and Production Testing - 1 day

Offering an understanding of the breadth of legislative requirements to place lighting products on the market.

-	The LIA, Telford 4		The LIA, Telford 8	The LIA, Telford 17	-	-	The LIA, Telford 12	£325 + VAT	£375 + VAT
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### BS EN 60598-1 Luminaire Standard Explained - 1 Day

Offering an in-depth understanding of the requirements of BS EN 60598.

South East 21	The LIA, Telford 25		The LIA, Telford 5	South East 10	-	The LIA, Telford 19	-	£325 + VAT	£375 + VAT
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### Practical Course in Luminaire Testing to IEC/EN 60598 - 2 days

A practical course for delegates to experience the testing process of luminaires.

The LIA, Telford 22	The LIA, Telford 26		The LIA, Telford 6	The LIA, Telford 11	-	The LIA, Telford 20	-	£995 + VAT	£1,350 + VAT
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## FACTORY AUDITOR TRAINING - MEMBER ONLY

Teaching competency to perform technical audits on supplier's facilities to satisfy quality expectations regarding CE technical file compliance.

Only available to the Lighting Industry Association members.

VENUE AND DATES								COST	
MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEMBER ONLY	

### LIAQA Training on Module 7 Factory Audit

An overview of legislation requirements, such as LVD, EMCD, RoHS, ERP etc., and how to look for evidence of compliance during a supplier audit.

The LIA, Telford 23	-	-	-	The LIA, Telford 11	-	-	The LIA, Telford 11	£375 + VAT	
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## PHOTOMETRY AND TECHNICAL COURSES

Covering the four main lighting metrics and how they relate to each other and the human visual system.

VENUE AND DATES								COST	
MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEMBER	NON MEMBER

### Practical Photometry and Radiometry Workshop - 2 days

Learn how to equip and run a light measurement laboratory. Get to know the accuracies involved in making practical measurements and how they relate to each of the four main lighting metrics.

-	-	The LIA, Telford 24/25	-	The LIA, Telford 10/11	-	-	-	£625 + VAT	£745 + VAT
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### Advanced Lighting Principles - 2 days

An advanced course that builds on the foundations of the Lighting Fundamentals course. In depth learning on the physical principles that the fundamentals are based upon.

-	-	-	-	-	The LIA, Telford 1/2	-	-	£625 + VAT	£745 + VAT
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## HNC/HND LIGHTING DESIGN AND TECHNOLOGY

The LIA is very proud to offer two formal higher education qualifications for the lighting industry in partnership with the University of South Wales (USW). The Higher National Certificate (HNC) and the Higher National Diploma (HND) will appeal to those seeking to develop an understanding of the physics of light, lighting technologies and their applications.

### Who is the qualification for?

The HNC and HND have been developed for those with the need, or aspire, to develop in-depth understanding of lighting design and technology. Offering the benefit of formally recognised qualifications to a wide range of backgrounds right across the breadth of the lighting community.

These qualifications have been designed to advance understanding, competencies and employability for those who graduate, whether new entrants or those who have previously not had the opportunity to further develop their career through formally recognised education.

### How is the qualification structured

As all Higher Education the HNC and HND are composed of mandatory and optional modules with credit value. Modules include :

- Lighting Fundamentals, Advanced Lighting Principles
- Electrical Principles and Design
- Light Sources and Luminaire Design, Product and Component Design
- Lighting Design, with separate modules on Exterior, Interior and Highways.

Modules are a combination of all, or some, of lectures, tutorials, group work, practical work, and independent study; and are delivered in blocks at most at the LIA in Telford, but also at the University of South Wales in Cardiff.

There is one intake per year. The next intake is in September 2019

### How long will it take?

The HNC is Level 4 and equates to a first year at University. Once completed the student can continue on to Level 5; Level 5 equating to year 2 at University. A third BSc (Hons) degree year will be made available through USW.

HNC and HND may be taken as full (over 1 year) or part time (over 2 years). Despite the terminology both qualifications are cleverly designed to be achievable by students who are in full employment.

University fees are set by USW and fall in line with Higher Education

### Fees (for the 2019 intake)

Part-Time £4,000 per year

Full-Time £8,000 per year