



0800-998 9248

# MICROSOFT POWER BI



MCSA: BI REPORTING CERTIFICATION  
EXAMS 70-778 AND 70-779

**5-DAY CERTIFICATION TRAINING COURSE IN LONDON**  
(Includes both training and exams)



## GET CERTIFIED

Passing the exams, on day five of this course, will earn you Microsoft's new **MCSA: BI Reporting** certification.

The certification is designed to prove your expertise in analysing data using Microsoft Power BI and Excel; and requires two exams:

**70-778** Analyzing and Visualizing Data with Power BI

**70-779** Analyzing and Visualizing Data with Microsoft Excel

The BI Reporting certification does not have a wide range of exam options to choose from, unlike most MCSA qualifications. However, it does provide an opportunity to demonstrate that you are a Microsoft self-service BI specialist.

## MCSA: BI REPORTING CERTIFICATION TRAINING

Training & Exams: £1,595, plus VAT

Training only: £1,375, plus VAT

### LONDON COURSE DATES

8-12 Jul 19	2-6 Sep 19	21-25 Oct 19	2-6 Dec 19
27-31 Jan 20	24-28 Feb 20	20-24 Apr 20	1-5 Jun 20

This instructor-led workshop is aimed at specialists in data analysis, data science, and business intelligence, who wish to validate and demonstrate their knowledge by obtaining the relevant Microsoft certification.

Delegates on this course will need to be familiar with the essentials of data analysis, databases and cloud computing; as well as the key elements of Power BI Desktop, the Power BI service and Microsoft Excel data analysis. The topics covered on the course will be mainly at the intermediate and advanced level. Delegates will also need to be native English speakers or speak English fluently.

This four day certification course provides in-depth coverage of all of the topics which you will need to master in order to pass the MCSA: BI Reporting certification. The training is very much hands-on; and delegates will be given numerous opportunities to complete real-world, practical projects.

# COURSE OUTLINE

## DAY ONE: DATA, QUERY EDITOR & M

### Data connection

Connecting to data sources; Importing Excel data; Connecting to SQL Server; Importing data vs Live Query; Connecting to SSAS cubes; Understanding custom connections

### Cleaning up & transforming data

Modifying query steps; Understanding data types; Removing unwanted space; Splitting & combining; Creating new columns; Creating conditional columns

### Advanced Query Editor Operations

Combining queries; Referencing a query; Converting a query into a function; Understanding function syntax; Invoking a function

### Understanding the M language

Using the Formula Bar; Using the Advanced Editor; Overview of the M Language; Using M Functions; The Let statement; Understanding M variables; Writing logical statements; Using text functions; Using date functions

## DAY TWO: DATA MODELLING & DAX

### Data modelling

Creating table relationships; Using active & inactive relationships; Cross filter direction; Assume Referential Integrity; Calculated columns; Implicit & explicit measures; Creating hierarchies in Power BI; Creating hierarchies in Excel; RELATED, RELATEDTABLE & EARLIER; Row & filter context; The X functions; The CALCULATE function; ALL function variations; The FILTER function; Using time intelligence functions; Using What-if parameters

### Advanced DAX

Using DAX Studio for debugging, Writing complex formulas, Using variables, Calculating moving averages, Calculating running totals, Percentile calculations, Creating advanced time intelligence formulas, Using multiple date tables, Working with non-standard calendars

### Calculated tables

DAX functions that return tables; The CALCULATETABLE function; The ADDCOLUMNS function; The SUMMARIZE function; SUMMARIZE with ROLLUP; The CROSSJOIN function; The TOPN function; The ROW function

## DAY FIVE: THE EXAM

There is no training on day 5; this is the day of the two exams. In the morning, you will take Exam 70-778: Analyzing and Visualizing Data with Microsoft Power BI. And, in the afternoon, you will sit Exam 70-779: Analyzing and Visualizing Data with Microsoft Excel

Don't forget to bring two forms of ID with you; your passport, and a credit card bearing the same name, will do the trick. (If you prefer not to take the exams immediately after your training, then, for you, the course will finish at the end of day four.)

## DAY THREE: DESKTOP, SERVICE & MOBILE

### Power BI Products & Subscriptions

The Roles of Power BI Desktop & of the Power BI service; Azure Active Directory integration; Office 365 integration; Power BI free, Pro & Premium; Tenant settings; Power BI Report Server overview

### Reports & Dashboards

Report & dashboard differences; Optimizing reports & dashboards for mobile; Understanding dashboard tiles; Optimizing Q&A; dashboard settings; Setting data alerts; Pinning Excel content to dashboards

### Publishing content

Creating security groups; Creating app workspaces; Publishing apps; Apps versus content packs; Sharing reports & dashboards; Publishing reports to the web; Embedding a report in SharePoint; Using Analyze in Excel

### Refreshing content

Using on premises gateways; Customizing dataset refresh settings; Scheduling refresh frequency; Adding & removing data sources, Live data connections; Connecting to OneDrive for Business and Azure SQL databases

## DAY FOUR: DATA VISUALIZATION & BEYOND

### Excel Visualization

Creating PivotTables; PivotTable aggregation options; Filtering data; Using slicers; Slicer options; Creating timelines; Timeline options; Report connections; Creating pivot charts; Excel chart types; Excel chart components; Creating KPIs

### Advanced Power BI visualization

Setting visual interactions; Using the Analytics pane; Using Ask a Question; Using the Selection pane; Creating bookmarks; Creating hyperlinks; Creating & using report themes; Report, page & visual level filters; row-level security; Drill-down options; Drill-through options; Using R visuals

### Custom Visuals

Microsoft's custom visual SDK; the role of JavaScript, jQuery and TypeScript; Overview of D3.js; Using custom visuals

### Power BI Embedded

Overview of Power BI Embedded; Embed tokens and capacity; Embedding for licensed and unlicensed users; Integrating dashboards, reports and tiles into an app

# BOOKING A COURSE

If you wish to make a telephone booking, or if you would like to ask a few questions before booking, you can call us free on 0800 989 248. To check the latest course dates and availability of places, visit our web site: <http://www.gcomsolutions.co.uk>. Here you will find the most up to date information regarding course dates. (In addition to the courses listed in this booklet, we may also run extra courses in response to high demand.)

The fastest method of securing a place on one of our courses is to book on line and pay by credit card. A confirmation with joining instructions will then be sent out to you.

When you book online you can opt to pay by cheque or bank transfer—in which case we will email you a booking form and pro forma invoice. To secure your place, you will need to sign the booking form and return it to us with your payment.

Naturally, you can also simply email us with details of the course(s) in which you are interested, and the names of your delegates, at [admin@gcomsolutions.co.uk](mailto:admin@gcomsolutions.co.uk).

## Bulk Purchase

G Com Solutions season tickets enable you to pre-purchase places on our public scheduled training courses at discounted rates and are valid for one year from date of purchase. For your convenience, season tickets are sold by number of training days, rather than by number of courses. The more training days you purchase, the higher the discount. You can book any number of people on any number of courses, as long as there are training days still available on your season ticket.

Each time you book a course, you will be sent a statement showing how many training days you have used, how many you have left and how long you have to use them.

## Cost of Season Tickets

The cost of season tickets is as follows:

ST05: 5 day season ticket	£1,595	(10% discount)
ST010: 10 day season ticket	£3,185	(15% discount)
ST025: 25 day season ticket	£7,500	(20% discount)
ST050: 50 day season ticket	£13,500	(28% discount)
ST100: 100 day season ticket	£22,500	(40% discount)



If you work for a large organisation and are about to book a course, it may be worth consulting your human resources department to see if colleagues in other departments may be interested in any of our courses. If so, why not pool your resources, buy a season ticket and stretch your training budget a bit further.

Season tickets are also useful in “spend it or lose it” scenarios where you need to use a training budget in a given period.

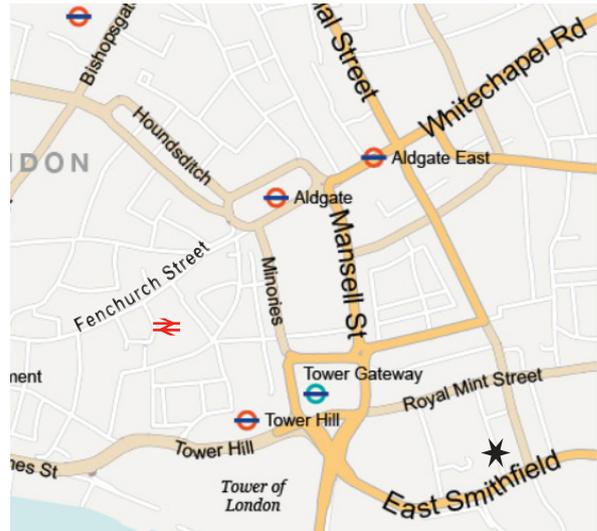
You can purchase season tickets on line, at [www.gcomsolutions.co.uk](http://www.gcomsolutions.co.uk). Or, if you would like more information, please call us on 0800 998 9248.

## Where to Find Us

Our courses are run in central London, close to Tower Hill, Fenchurch Street and Aldgate East stations.

★ The address is:

Tower Bridge Business Centre  
46-48 East Smithfield  
London  
E1W 1AW



## Hotel Accommodation

Here is a list of hotels in the vicinity of our training centre.

### Leonardo Royal Hotel London Tower Bridge

Luxury 5-star hotel with restaurant, swimming pool and spa

45 Prescot St  
London E1 8GP

Tel: +4420 7959 5000

<https://www.leonardohotels.co.uk/hotels>

### DoubleTree by Hilton Hotel Tower of London

4 star hotel with restaurant, bar and 24-hour fitness centre

7 Pepys Street  
London EC3N 4AF

Tel: +44207 709 1000

<https://www.doubletree3.hilton.com>

### Clayton Hotel City of London

4 star hotel with restaurant and 24-hour fitness centre

10 New Drum Street  
London E1 7AT

Tel: +4420 3687 2777

<https://www.claytonhotelcityoflondon.com>

### The Chamberlain Hotel

Edwardian hotel with pub and restaurant

132-135 Minories  
London EC3N 1NU

020 7680 1500

<https://www.thechamberlainhotel.co.uk>

### Apex City of London Hotel

Modern 4 star hotel with restaurant, 24-hour gym and spa

1 Seething Lane  
London, EC3N 4AX

Tel: +4420 7702 2020

<https://www.apexhotels.co.uk/>

### Premier Inn London City Tower Hill

Modern 3 star hotel with restaurant and free wifi

22-24 Prescot Street  
London  
E1 8BB

Tel: +44333 003 0025

<https://www.premierinn.com/gb/en/hotels/>

### Travelodge London Central Tower Bridge

Modern 3 star hotel with restaurant

Lloyds Court Business Centre  
1 Goodman's Yard  
London E1 8AT

Tel: +44871 984 8484

# **G Com Solutions Ltd**

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