

Courses 2023

	Course name		From	To	Location	Price per participant
Business Analytics (BI/DWH)	Dimensional Data Modeling - Basic/Advanced	2 days	24 January	- 25 January	Brussels	1.350 €
	Dimensional Data Modeling - Basic/Advanced	2 days	9 May	- 10 May	Brussels	1.350 €
	Dimensional Data Modeling - Basic/Advanced	2 days	3 October	- 4 October	Brussels	1.350 €
	Data Quality, -Profiling and -Management	1 day	28 February		Brussels	675 €
	Data Quality, -Profiling and -Management	1 day	21 November		Brussels	675 €
	Data Visualization Best Practices	1 day	28 March		Brussels	675 €
	Data Visualization Best Practices	1 day	19 September		Brussels	675 €
Microsoft Power BI	MS Power BI coaching workshop	2 days	14 March	- 15 March	Brussels	1.350 €
	MS Power BI coaching workshop	2 days	26 September	- 27 September	Brussels	1.350 €
	MS Power BI Update Session	1 day	23 May		Brussels	675 € (*)
	MS Power BI Update Session	1 day	5 December		Brussels	675 € (*)
Microsoft Azure	Azure fundamentals for BI Professionals	2 days	14 February	- 15 February	Brussels	1.350 €
	Azure fundamentals for BI Professionals	2 days	6 June	- 7 June	Brussels	1.350 €
	Azure fundamentals for BI Professionals	2 days	19 September	- 20 September	Brussels	1.350 €
	Azure DevOps Basics	1 day	7 March		Brussels	675 €
	Azure DevOps Basics	1 day	28 November		Brussels	675 €
	Modern BI Development with Azure Synapse	1 day	21 March		Brussels	675 €
	Modern BI Development with Azure Synapse	1 day	24 October		Brussels	675 €
	Programming with Azure Databricks	2 days	8 March	- 9 March	Brussels	1.350 €
	Programming with Azure Databricks	2 days	17 October	- 18 October	Brussels	1.350 €
Data Science & AI	Data Science for BI Analysts	2 days	21 March	- 22 March	Brussels	1.350 €
	Data Science for BI Analysts	2 days	12 September	- 13 September	Brussels	1.350 €
	Machine Learning on Azure	1 day	18 April		Brussels	675 €
	Machine Learning on Azure	1 day	17 October		Brussels	675 €
	Using MLflow with Databricks	1 day	6 June		Brussels	675 €
	Using MLflow with Databricks	1 day	21 November		Brussels	675 €

- Prices listed are always per participant.
- On-site trainings always require a minimum of 3 participants.
- Classroom trainings include free parking, lunch and refreshments for each participant.
- For in-company training and/or custom training, contact element61 Academy (academy@element61.be).
- (*) If you subscribe to both sessions, before May 1th, 25% discount is offered on the total.
- Check also our Learning Paths towards Cloud BI Developer, Azure Data Engineer/Scientist
- Any questions or want to register, get in contact : academy@element61.be

Course Descriptions

Business Analytics (BI/DWH)	Dimensional Data Modeling - Introduction Day	An introduction will take off by explaining the fundamentals in terms of dimensions & facts and the corresponding dimensional process. It will offer a view of methods & templates which can be used to accelerate & document. This course is intended for professionals with limited to intermediate knowledge of modeling in the context of Data Warehousing & Business Intelligence.
	Dimensional Data Modeling - Advanced Day	In the advanced part, it will also delve deeper into amongst other history tracking, the various existing fact-types, multi-valued dimensions, heterogeneous dimensions and facts. Throughout the course, special situations are discussed and a number of exercises, based on real-world cases, are given.
	Data Quality, -Profiling and -Management	Data quality management is one of the greatest challenges of information technology. The training will give insights on How to define Data Quality and provide you with a process and techniques to identify and improve Data Quality issues. Next to Data Quality the training will also cover and define Master Data Management and how this relates to your Data-driven initiatives.
	Data Visualization Best Practices	This training teaches you the fundamentals of data visualization. In this course, we go over the most common types of tables and charts, and how you need to choose between those two options. We look at "design best practices" to make graphs and visuals the most efficient and effective. The course also covers the principles of visual perception and how these can help you to make better visualizations and dashboards.
Microsoft Power BI	Azure fundamentals for BI Professionals	During this 2-days coaching workshop, you will be guided step-by-step to get acquainted with the capabilities of Microsoft Power BI. It will enable you to get started with Power BI, build your dashboards, reports and visualize the data within your company and turn it into insights.
	Microsoft Power BI update sessions	With monthly Power BI updates and a busy job, it can be a challenge to keep up with new PowerBI features and still benefit from using them as soon as they become available. Our update sessions will guide you through the latest features of Power BI and give you the ability to get some hands-on experience with these new features during a guided demo.
Microsoft Azure	Azure fundamentals for BI Professionals (2 days)	As a BI professional you want to stay up-to-date about how BI and Analytics are run in the cloud, which features are new and which components can help overcome current challenges in your on-premise BI environment. In this Azure fundamentals workshop, we share and show all components & principles a BI professional should know about building BI and Analytics in the Azure Cloud. We offer 1-day theory + 1-day hands-on exercises
	Azure DevOps	In this course, we show you how to embrace Azure DevOps for Data Analytics. This course highlights the principles of DevOps including what is CICD, what is infrastructure-as-code, what is git, what is a pull request, etc but also has hands-on exercises about using the command line, about git and about the use of git within Azure Data Factory and Azure Databricks. This course is not focused on teaching agile or scrum methodology but rather on 'how to practically use DevOps for BI & Analytics using Azure DevOps'.
	Modern BI Development with Azure Synapse	In the Cloud, data warehousing is different from on-premise SQL Server as you want to maximally benefit from cloud functionalities, scalability, flexibility & managed services. As a BI or Data Professional, you want to feel comfortable with how to do modern data warehouse development in Microsoft Azure Cloud. To learn all these tips & tricks of cloud data-warehousing with Azure Synapse Analytics, element61 hosts this Modern BI development training.
	Programming with Azure Databricks (2 Days)	As a Data professional you want to learn to write and use Spark, its best practices and which features are specific to Databricks. In this Spark Programming course, you'll learn to work with Spark fluently. Across the basic and advanced course you'll learn how to read data, visualize data, and apply a variety of transformations and actions. You will explore the Spark UI and how query optimization, partitioning, and caching affect performance. With this course, you'll learn how to use Spark and Databricks for your data loads.
Data Science & AI	Data Science for BI Analysts (2 Days)	Business analysts and programmers are getting more and more in contact with advanced analytics. Although not the core of their job, it is important that they gain an initial understanding of what it is, and what value it can bring to their organization. Therefore, we have created a 2-day introductory course in Data Science explaining all the important concepts, and the process that leads to a successful project. We end the course with practical examples and applications of machine learning to give food for thought to all participants.
	Machine Learning on Azure	As a data scientist, you might be interested in how to run Machine Learning projects in Azure: with a variety of services available such as Azure ML, Databricks or Data Science VMs, this 1-day course will give guidance on tips & how-tos for doing Machine Learning development in Azure. The course explains all relevant resources, shares concrete tips & gives all the principles (and some practical exercises) so the audience leaves with good knowledge on how to embrace Azure Cloud for ML;
	Using MLflow with Databricks	As a data scientist, you might be interested in how to improve the development in an ML lifecycle and bring ML algorithms faster to production or overcome challenges with the current development cycle. In this 1-day course, we deep-dive into how MLFlow in Azure Databricks can practically be used as an MLOps tool. This course is hands-on, practical & concrete and aims to leave the audience with concrete tips & best practices on how to use MLFlow end-to-end