Agile IT Business Analyst Bootcamp

Curriculum by skill area

Modules are grouped by skill area so you can find what you need quickly. Every module description is included in full.

Business Analysis

6 modules

Requirements, use cases, user stories, process modeling and testing

Foundation of Business Analysis	This course gives a clear understanding and total immersion into all the facets of the business analyst role, including a thorough walk-through of the various domain/knowledge areas that make up the business analysis profession. You will try your hand at several business analysis techniques for eliciting, analyzing, and modeling requirements. Business analysis work performed in strategy analysis and solution evaluation is thoroughly presented and explored which is extremely valuable to both the beginner and the intermediate business analyst as these skills are typically less developed in the traditional BA.
Agile for Business Analysts	In this course, you will develop your understanding of agile business analysis and the role of the business analyst on an agile team. You will learn how business analysis on an agile project is 'the same' and 'different' than business analysis performed on waterfall projects. You will understand how the business analysis role changes on an agile team. A number of business analysis techniques suited for supporting agile teams will be introduced as will the various standards available to the community to help teams and organizations transition. Since few organizations are pure agile, you will also learn about delivery approaches that use a combination of practices from waterfall and agile and will also be introduced to the important concept of business analysis tailoring, the key skill used to adapt business analysis skills to all environments, regardless of the delivery life cycle selected.
Writing Use Cases	This Requirements Analysis and Use Cases course provides a strong foundation in the mechanics of use case diagramming and writing textual descriptions of use cases. In this highly interactive workshop, you will learn how to enhance and refine your use case skills, how to involve your stakeholders in the use case process, and how to develop use cases that provide valuable information to the designers and testers. Use cases that meet the needs of designers can be too technical and too detailed for other stakeholders. Use cases that satisfy business users are usually not very helpful to designers and testers. How do you satisfy these two disparate interests? And how do you handle the details like business rules, data validations and user interface specifications?
Writing User Stories	Writing User Stories Workshop will demonstrate how to manage, write, and communicate requirements in an Agile Environment. Participants learn to collaborate and identify business needs and communicate those needs through User Stories.
Business Process Modeling	A standard Business Process Model and Notation (BPMN) will provide businesses with the capability of understanding their internal business procedures in a graphical notation and will give organizations the ability to communicate these procedures in a standard manner. Furthermore, the graphical notation will facilitate the understanding of the performance collaborations and business transactions between the organizations. This will ensure that businesses will understand themselves and participants in their business and will enable organizations to adjust to new internal and B2B business circumstances quickly. Business Process Model and Notation has become the de facto standard for business processes diagrams. It is intended to be used directly by the stakeholders who design, manage, and realize business processes, but at the same time be precise enough to allow BPMN diagrams to be translated into software process components. BPMN has an easy-to-use flowchart-like notation that is independent of any implementation environment.

User Acceptance Testing for Business Analysts	All too often the software products delivered to the business do not meet their expectations, especially regarding the quality of the product. An effective User Acceptance Testing (UAT) process addresses this issue by confirming the functionality and performance of the product prior to its release. This one-and-a-half or 2-day workshop looks at the business issues which drive the need for a fully functional UAT process and describes its components. It is designed to help the Business Analyst (BA) develop an understanding of their role, the process, and the deliverables associated with UAT.

Agile and Project Delivery

5 modules

Project management, Scrum, DevOps and ITIL

Effective Project Management	Effective Project Management workshop is designed to completely cover the fundamentals of managing projects. It introduces you to more complex topics in project management while it deepens your understanding of planning and controlling processes. You will discover concepts, tools and ways to manage projects to achieve positive outcomes. You will apply these principles and techniques to sample projects and create links to your own projects.
Scrum Foundation	You will learn the mechanics of Scrum and how to overcome the complexity of dealing with team-based collaboration and self-organization. With other attendees, you work as a team in a series of Sprints to build a software application, and deal with real-life problems. The mechanics, roles, and principles of Scrum are made clear during the exercises. You will experience common missteps and misunderstandings allowing you to grow a higher awareness of the associated symptoms. In addition, you will return to work with tips to identify common pitfalls and team dysfunctions.
Scrum Simulation Workshop	This workshop utilizes an immersion learning approach, along with role-playing, that allows students to practice the techniques as they learn. Students will experience what a project that is fully leveraging Agile concepts and culture looks and feels like. This allows them to better understand their role on the team and appreciate their team members' contributions.
DevOps Foundation	DevOps Foundation is a course that introduces DevOps, the cultural and professional movement that stresses communication, collaboration, integration, and automation in order to improve the flow of work between software developers and IT operations professionals. With DevOps, your improved workflows will result in an improved ability to design, develop, deploy, and operate software and services.
ITIL 4® Foundation	ITIL 4® Foundation Course will teach you the fundamentals of ITIL® and get you ready for the next steps.

Data and Analytics

6 modules

Data literacy, modeling, SQL and Power BI

Data Literacy	This Data Literacy training course teaches attendees how to effectively navigate data to ask the right questions and define the right metrics, focusing on interpretation, context, and communication. Participants optionally work with their own data (or can work with data we provide) to make improvements and create more impactful data-driven narratives.
Data Modeling Workshop	The methodologies discussed are applicable to any relational database environment, including IBM DB2, the Oracle database, Microsoft SQL Server, the open-source MySQL and PostgreSQL databases as well as other RDBMS platforms. They are also applicable to other database technologies, such as object databases and legacy IMS and IDMS databases. Finally, while we use the free Oracle SQL Developer Data Modeler product as a demonstration modeling tool, one can complete the exercises of this course and apply the techniques learned using any other popular data model diagramming tool, such as IBM InfoSphere Data Architect, CA ErWin Data Modeler, Embarcadero ER/Studio and others.
Fundamentals of SQL	This course will teach you to use SQL as a tool to retrieve the information you need from databases.

SQL Training for Analysts	This SQL Server course teaches attendees the basics of Transact-SQL, including writing simple and complex queries, working with data types, building functions, and more. Students will also learn how to combine data from multiple tables and result sets using JOIN operations and subqueries.
Introduction to DAX for Power BI	In this course, students will be introduced to using Data Analysis Expressions (DAX), which is the expression language that is used to create custom calculations in the Power BI Data model. The course covers some of the theoretical underpinnings of the data model and DAX, but the emphasis is on using DAX to solve common business problems. Students will learn how to write their own calculated columns, measures, and tables, how to visualize the way Power BI computes DAX calculations, and how to troubleshoot custom code. This course involves discussion of concepts and definitions, demonstration of formulas, and guided hands-on activities.
Analyzing Data with Power BI	This course will discuss the various methods and best practices that are in line with business and technical requirements for modeling, visualizing, and analyzing data with Power BI. The course will also show how to access and process data from a range of data sources including both relational and non-relational data. This course will also explore how to implement proper security standards and policies across the Power BI spectrum including datasets and groups. The course will also discuss how to manage and deploy reports and dashboards for sharing and content distribution. Finally, this course will show how to build paginated reports within the Power BI service and publish them to a workspace for inclusion within Power BI.

Excel, Levels 1 to 3

3 modules

From first workbook to automation and advanced formulas

Excel Level 1	In this course you will learn how to create spreadsheets and workbooks that you can use to store, manipulate, and share your data.
Excel Level 2	In this course you will get hands on experience with guided labs on how to organize table data, present data as charts, and enhance the look and appeal of workbooks by adding graphical objects.
Excel Level 3	This Microsoft Excel Level 3 course helps you get the most of your Excel experience. The ability to collaborate with colleagues, automate complex or repetitive tasks, and use conditional logic to construct and apply elaborate formulas and functions will put the full power of Excel right at your fingertips. The more you learn about how to get Excel to do the hard work for you, the more you'll be able to focus on getting the answers you need from the vast amounts of data your organization generates.

Collaboration and Technology Tools

5 modules

Teams, SharePoint, web, XML and cloud hosting

Microsoft Teams	Microsoft Teams is a full collaboration platform and offers facilities for peer-to-peer collaboration as well as full team collaboration. This course will give guidance on how to use the tools for chat, file sharing, meetings, and calls. The course will also give direction on best practices for sharing files with external parties and show how to access other services available in the tenant directly from within Teams. There will be a series of labs to practice the methods taught during the course.
Microsoft SharePoint Training Power Users and Site Owners	In this instructor-led course, students will learn what they need to know to succeed as Site Owners or Site Collection Administrators in SharePoint. Students will spend a huge portion of the course in the product learning firsthand how to configure and then use the features that a Site Owners and Site Collection Administrators need to know to succeed in their role in SharePoint.
Introduction to Web Development	In this module, the student will be introduced to what a web designer does and how to get started in web development; how the web works; the anatomy of a web page; and some important concepts the student needs to understand.
Introduction to XML	With your HTML knowledge, you have a solid foundation for working with markup languages. However, unlike HTML, XML is more flexible, allowing you to create custom tags to store and share data across different systems. This course introduces the fundamentals of XML and its related technologies so that you can create your own markup documents.

Hosting (Cloud Computing and Azure)

The course will cover general cloud computing concepts as well as general cloud computing models and services such as Public, Private and Hybrid cloud and Infrastructure-as-a-Service (IaaS), Platform-as-a-Service (PaaS) and Software-as-a-Service (SaaS).

It will also cover some core Azure services and solutions, as well as key Azure pillar services concerning security, privacy, compliance and trust. It will finally cover pricing and support services available with Azure.

Outcomes and next steps

What students finish with, the support that gets them job ready, and how to get started.

Career Services

Our MAX Career Manager works with the students on a group and individual basis to prepare them for their job search. Activities include seminars on creating Linked In profiles, creating an attention-getting resume, interviewing skills plus an opportunity to hear from boot camp graduates about what the day-to-day world of a developer will be like. Interactive sessions are held so the students can practice for interviews. One-on-one meetings are held to fine-tune the student's resume and job search strategy.

Workforce funding options

We coordinate national, state, and county workforce investment funding to help people upskill, reskill, and change their professional trajectory. Talk to an advisor today about workforce funding for individuals and organizations.

Ohio TechCred | Ohio IMAP | WIOA | GI Bill

Why a MAX bootcamp



Custom Curriculum

We have ready-to-deliver bootcamps in subjects like AI, Data Analytics, Software Developer and Agile Business Analysts. We can also create multi-week bootcamps from any of our available courses in our catalog.



Fully Immersive

Multi-week bootcamps allow students to dedicate consecutive days to being immersed in the curriculum, gain hands-on experience, and gain confidence in their capabilities.



Dedicated Time

Multi-week bootcamps give students a break from daily work tasks and allow the class to become their work. The dedicated time can create an epic skills shift that can support the promotion of a dedicated employee.



Instant Impact

Our bootcamp reviews are full of praise from employers for students' ability to immediately impact their organizations, and the investment in employees shows instant ROI while also building an upskilling culture.

Talk to an advisor about start dates and workforce funding. **513.322.8888 | maxtrain.com**

ITIL® is a registered trademark of the PeopleCert Group, used under licence from PeopleCert. All rights reserved.