



Introduction to datascience & AI module

This course is ideal for anyone eager to grasp the fundamentals of Data Science and AI. You'll learn key data terminology, essential statistical concepts, and practical data use cases, providing the perfect foundation for your Data Science journey.

- Type: **Course**
- Price: **€ 995,-**
- Program level: **Bachelor**

Type	Duration	Level	Format
Course	3 weeks	Beginner	Blend learning

WHAT YOU'LL LEARN

- Understand the most common data science terminology and concepts
- Know when and how to apply data science in real-world scenarios
- Gain insight into frequently used data science models and their purposes
- Build a solid foundation to start your journey in Data Science and AI
- You'll be familiar with key data science and AI terminology
- You'll understand when and how to apply data science techniques in practice
- You'll recognize commonly used models and know where they fit in the data science process




WHAT TO EXPECT

- You'll be familiar with key data science and AI terminology
- You'll understand when and how to apply data science techniques in practice
- You'll recognize commonly used models and know where they fit in the data science process

AFTER THIS COURSE YOU

- You'll be familiar with key data science and AI terminology
- You'll understand when and how to apply data science techniques in practice
- You'll recognize commonly used models and know where they fit in the data science process

Teachers

-  **Bram Bregman**
-  **Lieke Dom**
-  **Yermo Rinsma**

For more information about examination see:
amsterdamdataacademy.com/examination-regulations



AI Strategy course

This course is designed for professionals and teams who want to take a structured, strategic approach to AI adoption — using the AI Strategy Canvas developed by Amsterdam Data Academy. You'll learn how to identify AI opportunities, align use cases with business goals, and build a roadmap that balances value, feasibility, and ethical impact. From ideation to implementation, the Canvas will guide you step by step as you prototype your AI strategy.

- Type: **Course**
- Price: **€ 995,-**
- Program level: **Bachelor**

Duration	Study load	Level	Format
3 weeks	24 hours	Beginner	Blend learning

WHAT YOU'LL LEARN

- Identify valuable use cases for AI within your organization
- Define strategic goals and measurable outcomes
- Align AI initiatives with business priorities
- Address governance, data readiness, and ethical concerns
- Build a realistic and scalable AI roadmap

WHAT TO EXPECT

In this course, you'll use the AI Strategy Canvas — a practical model developed by Amsterdam Data Academy — to map out your AI opportunities, risks, and implementation plans.

AFTER THIS COURSE YOU

- Facilitate internal AI strategy sessions using our Canvas
- Clearly communicate your AI ambitions to stakeholders
- Take the next step in responsible and effective AI implementation
- Avoid common pitfalls and align tech efforts with business needs

Teachers

- Sam van Buuren
- Yermo Rinsma
- Lieke Dom

For more information about examination see:
amsterdamdataacademy.com/examination-regulations



AI Literacy course

What happens when an algorithm labels you as high-risk — without explanation? What if that decision changes your life, your job, or your access to services?

This isn't hypothetical. It happened during the Dutch Toeslagenaffaire, where thousands of families were unjustly targeted by an opaque, AI-supported system. Understanding how AI works — and how it should work — is no longer optional.

This course gives you the context, the tools, and the critical lens to navigate AI in society.

- Type: **Course**
- Price: **€ 995,-**
- Program level: **Bachelor**

Duration	Study load	Level	Format
3 weeks	24 hours	Beginner	Blend learning

WHAT YOU'LL LEARN

- By the end of this course, you will be able to:
- Understand core AI principles and real-world applications.
- Identify ethical risks and the societal consequences of AI.
- Navigate legal frameworks such as GDPR and the EU AI Act.
- Recognize organizational responsibilities in AI governance.
- Design a responsible AI strategy for your team or organization.

WHAT TO EXPECT

During this short but intensive program, you will explore the foundations of AI, ethics, governance, and regulation through a mix of self-paced learning and interactive sessions. You'll work with real-world examples — including the Toeslagenaffaire — to understand how AI systems can

impact people, organizations, and society.

Our blended-learning format helps you combine flexibility with structure. You study online at your own pace, while live sessions with an instructor give you space to ask questions, discuss cases, and apply the theory directly. Each module ends with short assignments that bring the material to life.

At the end of the course, you will complete a final challenge in which you design a responsible AI strategy for a real organizational scenario.

AFTER THIS COURSE YOU

- Explain how AI systems work and why they can fail — in clear, accessible language.
- Recognize ethical risks such as bias, discrimination, and lack of transparency.
- Navigate essential regulations, including GDPR and the EU AI Act, with confidence.
- Assess the responsibilities of organizations adopting AI.
- Make informed decisions about the safe and responsible implementation of AI.
- Communicate effectively with technical teams, policymakers, or stakeholders about AI risks and opportunities.
- Apply ethical and governance principles to a real-world case and translate them into actionable recommendations.

Teachers

Joanne Lijbers

Lieke Dom

Marieke Peeters

For more information about examination see:

amsterdamdataacademy.com/examination-regulations

Amsterdam Data Academy is an officially NRTO-certified training institute. As an NRTO member, Amsterdam Data Academy therefore meets the NRTO's quality requirements.





Prompt Engineering & AI Agents course

Learn how to write powerful prompts for ChatGPT and other LLMs – and how to build AI agents that autonomously perform tasks. This course combines our Prompt Engineering and AI Agent tracks into one practical, hands-on learning experience.

- Type: **Course**
- Price: **€ 1.995,-**
- Program level: **Bachelor**

Duration	Study load	Level	Format
6 weeks	48 hours	Beginner	Blend learning

WHAT YOU'LL LEARN

- How large language models (LLMs) like ChatGPT work
- How to write prompts that get high-quality results
- How to build agent architectures with memory, reasoning and tools
- How to deploy AI agents that solve real business problems

WHAT TO EXPECT

This course combines two of our most in-demand training tracks: Prompt Engineering and Building AI Agents. Over four weeks, you'll go from mastering the art of writing effective prompts to designing your own AI agents that can independently execute tasks like email handling, summarization, or even decision-making. This course is designed for professionals looking to apply AI in their daily workflows, even without any coding experience.

AFTER THIS COURSE YOU

- Understand how large language models (LLMs) like ChatGPT work and how to interact with them effectively
- Can write powerful and precise prompts to get high-quality results from AI tools
- Know how to build AI agents that use memory, reasoning, and tools to autonomously complete tasks
- Are able to design and deploy AI-powered workflows that save time and improve productivity in your job
- Have hands-on experience applying both prompting and agent logic to real-world business use cases
- Receive a certificate that proves your practical skills in Prompt Engineering and AI Agent Design

Teachers

- Robin van Veen
- Joanne Lijbers
- Akos Steger

For more information about examination see:
amsterdamdataacademy.com/examination-regulations



Building apps with LangChain course

This hands-on course introduces you to the world of Generative AI and Langchain. You'll explore the fundamentals of LLMs, set up your own development environment, and build practical AI applications using Langchain and Streamlit. Through real-world assignments and guided exercises, you'll gain experience working with OpenAI, open-source models, and prompt engineering techniques. By the end of the course, you'll be able to develop end-to-end applications like AI-powered interview helpers, travel guides, and blog generators, while understanding how to structure, chain, and maintain AI workflows.

- Type: **Course**
- Price: **€ 995,-**
- Program level: **Bachelor**

Duration	Study load	Level	Format
3 weeks	24 hours	Beginner	Blend learning

WHAT YOU'LL LEARN

- Set up and configure LangChain with OpenAI and open-source LLMs
- Build AI apps like interview assistants, travel guides, and blog generators
- Use PromptTemplates, Chains, memory, and chat history to create structured and dynamic interactions
- Design multi-step logic flows that integrate various tools and models for real-world applications

WHAT TO EXPECT

In this course, you'll use the AI Strategy Canvas — a practical model developed by Amsterdam Data Academy — to map out your AI opportunities, risks, and implementation plans.

AFTER THIS COURSE YOU

- Set up and configure Langchain with both OpenAI and open-source LLMs.
- Use Langchain to create apps like interview helpers, travel guides, and blog generators.
- Implement PromptTemplate for improving and structuring AI interactions.
- Build and manage Chains to integrate multiple models and logic flows.
- Apply memory and chat history to create more dynamic and contextualized user experiences.

Teachers

- Rohit Kumar Singh
- Ali Hurriyetoglu
- Bram Bregman

For more information about examination see:
amsterdamdataacademy.com/examination-regulations



Building AI models with Azure course

This course is designed for professionals who want to design, develop, and deploy AI-powered solutions using Microsoft Azure. From foundational AI/ML concepts to advanced applications such as NLP, Generative AI, and Computer Vision, participants gain deep hands-on experience with Azure's AI ecosystem.

Type: **Course**

Price: **€ 995,-**

Program level: **Bachelor**

Duration	Study load	Level	Format
3 weeks	24 hours	Beginner	Blend learning

WHAT YOU'LL LEARN

- Master core AI and Machine Learning concepts and tools within the Azure environment
- Train, evaluate, and deploy models using Azure Machine Learning Studio
- Apply NLP, Document Intelligence, and Azure OpenAI to solve real-world problems
- Build end-to-end AI pipelines and complete a practical project to earn your certificate




WHAT TO EXPECT

In this hands-on course, you'll learn how to design, build, and deploy AI solutions using Microsoft Azure. You'll work with tools like Azure Machine Learning Studio, Azure OpenAI, and Vision Studio, and complete a final project based on a real-world use case.

AFTER THIS COURSE YOU

You will have mastered the core concepts of AI and Machine Learning within the Azure environment. You will be able to train and deploy models using Azure Machine Learning Studio. You will know how to effectively apply NLP, Document Intelligence, and Azure OpenAI. You will be capable of building and deploying end-to-end AI pipelines in the cloud. You will have completed a practical AI project and earned a certificate of completion.

Teachers

-  **Bram Bregman**
-  **Marcel van den Bosch**
-  **Mark Graus**

For more information about examination see:
amsterdamdataacademy.com/examination-regulations



Building AI Agents course

This course equips you with the practical skills and technical understanding to build your own AI agents. You'll move beyond prompt engineering to building systems that can perceive, reason, act, and remember—powered by LLMs and tools like n8n. By the end, you'll deploy functional AI agents that automate real-world tasks.

● Type: **Course**

● Price: **€ 995,-**

● Program level: **Bachelor**

Duration	Study load	Level	Format
3 weeks	24 hours	Beginner	Blend learning

WHAT YOU'LL LEARN

- Understand the core architecture of AI agents: perception, reasoning, memory, and action
- Identify and integrate key components like APIs, LLMs, tools, and workflows
- Explore essential design patterns and best practices in agentic AI
- Build and deploy functional AI agents that automate real-world tasks




WHAT TO EXPECT

In this course, you'll learn how to design and build AI agents that can perceive, reason, act, and remember—using LLMs, APIs, and tools like n8n. You'll gain hands-on experience with the architecture, components, and design patterns of agentic AI to automate real-world tasks.

AFTER THIS COURSE YOU

You will have mastered the core concepts of AI and Machine Learning within the Azure environment. You will be able to train and deploy models using Azure Machine Learning Studio. You will know how to effectively apply NLP, Document Intelligence, and Azure OpenAI. You will be capable of building and deploying end-to-end AI pipelines in the cloud. You will have completed a practical AI project and earned a certificate of completion.

Teachers

-  **Ali Hurriyetoglu**
-  **Joanne Lijbers**
-  **Robin van Veen**

For more information about examination see:
amsterdamdataacademy.com/examination-regulations



Deep Learning with Python course

This course uses PyTorch, a popular open-source deep learning library that simplifies building and training neural networks with Python. Throughout the course, students will learn to design, implement, and optimize neural networks, starting with foundational concepts such as key components and applications in deep learning, and progressing to advanced architectures and custom model development. final project will consolidate and apply all the knowledge gained.

- Type: **Course**
- Price: **€ 995,-**
- Program level: **Bachelor**

Duration	Study load	Level	Format
3 weeks	24 hours	Advanced	Blend learning

WHAT YOU'LL LEARN

- Understand the most common applications of neural networks and implement basic models
- Replicate core neural network exercises and explore advanced architectures
- Apply deep learning techniques to solve real-world problems
- Build and evaluate your own custom neural network from scratch




WHAT TO EXPECT

- Understand the most frequent applications of neural networks and implement basic neural networks.
- Replicate neural network exercises, and explore more complex architectures for real-world applications.
- Apply all learned techniques to solve a real-world problem by building a custom neural network.

AFTER THIS COURSE YOU

- Understand the most frequent applications of neural networks and implement basic neural networks.M11
- Replicate neural network exercises, and explore more complex architectures for real-world applications.
- Apply all learned techniques to solve a real-world problem by building a custom neural network.

Teachers

-  Ali Hurriyetoglu
-  Bram Bregman
-  Joost van Gijn

For more information about examination see:
amsterdamdataacademy.com/examination-regulations



Data visualization & storytelling course

Do you struggle with making data understandable and impactful? Our course is designed to enhance your data visualization skills, offering practical, hands-on experience with building dashboards and tips for effective data presentation. Ideal for anyone looking to tell a compelling story with their data.

- Type: **Course**
- Price: **€ 1.995,-**
- Program level: **Bachelor**

Duration	Study load	Level	Format
3 weeks	24 hours	Beginner	Blend learning

WHAT YOU'LL LEARN

- Understand key AI concepts and terminology, including the differences between machine learning and deep learning
- Build interactive dashboards in Power BI using core functions and best practices
- Write and apply essential SQL commands to extract and prepare data
- Connect data sources using Azure to power real-time dashboards

WHAT TO EXPECT

In this course, you'll first gain clarity on key AI concepts like machine learning vs. deep learning, followed by hands-on experience building dashboards in Power BI. You'll also learn essential SQL commands and get introduced to Azure to connect real data to your dashboard.

AFTER THIS COURSE YOU

- You are able to build your own Power BI dashboard from scratch
- Know the most important tips &

Teachers

 Joanne Lijbers

 Joost van Gijn

 Bram Bregman

For more information about examination see:
amsterdamdataacademy.com/examination-regulations



Machine Learning with Python course

Are you ready to dive into the world of datascience and machine learning? Our Machine Learning Course is designed to take you from Python basics to building real-world machine learning models, all in one streamlined program!

Type: **Course**

Price: **€ 995,-**

Program level: **Bachelor**

Duration	Study load	Level	Format
3 weeks	24 hours	Beginner	Blend learning

WHAT YOU'LL LEARN

- Use Python confidently for data science and machine learning applications
- Identify and apply the right online packages to quickly set up machine learning workflows
- Build machine learning models from scratch using Python and real-world datasets
- Understand the full ML pipeline—from data preparation to model evaluation and optimization

WHAT TO EXPECT

This course is an advanced course, as a continuation of the Programming with Python course. This course is designed for anyone in a job where analyzing large datasets is important. If you have no prior programming experience, it is advisable to complete the aforementioned course first.

AFTER THIS COURSE YOU

- You are proficient in using Python for datascience and machine learning purposes
- You know which online packages are available to set-up a machine learning in minutes
- You can build your own Machine Learning model using Python from scratch

Teachers

 Yermo Rinsma

 Marieke Peeters

 Lieke Dom

For more information about examination see:
amsterdamdataacademy.com/examination-regulations



Data internship & career counseling

Are you planning to follow one of our data bootcamp programs and are you seeking for a job after the program? Then, this additional module is perfectly for you!

Type: **Course**

Price: **€ 995,-**

Program level: **Bachelor**

Duration

6 weeks

Study load

48 hours

Level

Beginner

Format

Blend learning

WHAT YOU'LL LEARN

- Apply your data science and AI skills in practice through an optional internship of 5–8 weeks (1 day per week), tailored to your location and preferences.
- Gain real-world experience by working with a company that matches your interests and career goals.
- Receive dedicated career support, including a one-on-one coaching session with a recruitment expert.
- Benefit from our strong job placement track record: 80–90% of actively seeking graduates secure a role after completing the bootcamp.

WHAT TO EXPECT

As an optional step, participants can take on an internship at a company to further develop their data science and AI skills in practice. The internship will typically take 5 to 8 weeks and has an average studyload of 1 day a week. We will search for a company close to your home location and will discuss your personal preferences to match your with



the right company.

In addition, we actively support them in finding a job or new position, including a one-on-one career coaching session with one of our recruitment experts. Previous students who were actively seeking a role have been successful in 80 to 90% of cases after completing our bootcamp program.

AFTER THIS COURSE YOU

- Have the skills to apply data science and AI in real-world business contexts
- Can optionally complete an internship to further develop your expertise
- Receive personalised career coaching from our recruitment experts
- Join the 80–90% of our job-seeking graduates who successfully secure a role after the program

Teachers

 **Leonie Havekes**

For more information about examination see:
amsterdamdataacademy.com/examination-regulations



Python Programming & ML course

Are you ready to dive into the world of programming and harness the power of machine learning? Our Programming with Python & Machine Learning Course is designed to take you from Python basics to building real-world machine learning models, all in one streamlined program!

- Type: **Course**
- Price: **€ 1.995,-**
- Program level: **Bachelor**

Duration	Study load	Level	Format
6 weeks	48 hours	Beginner	Blend learning

WHAT YOU'LL LEARN

- The fundamentals of Python programming, data analysis, and data visualization using Pandas and Matplotlib
- Core machine learning concepts such as regression, classification, and clustering with Scikit-Learn
- How to build, evaluate, and optimize machine learning models with real datasets
- How to apply your skills through hands-on, end-to-end projects that prepare you for real-world challenges

WHAT TO EXPECT

In this hands-on course, you'll learn Python from the ground up and progress to building real-world machine learning models using Scikit-Learn. Through practical projects and clear guidance, you'll gain the skills to analyze data, build models, and apply them directly in your career.

AFTER THIS COURSE YOU

- Can confidently use Python for data analysis, visualization, and machine learning
- Are able to build, evaluate, and optimize machine learning models using real-world datasets
- Have completed practical projects that demonstrate your skills to employers or clients

Teachers

- Ali Hurriyetoglu
- Bram Bregman
- Joanne Lijbers

For more information about examination see:
amsterdamdataacademy.com/examination-regulations



Data storytelling course

Do you struggle with making data understandable and impactful? Our course is designed to enhance your data visualization skills, offering practical, hands-on experience with building dashboards and tips for effective data presentation. Ideal for anyone looking to tell a compelling story with their data.

 Type: **Course**

 Price: **€ 995,-**

 Program level: **Bachelor**

Duration	Study load	Level	Format
3 weeks	24 hours	Beginner	Blend learning

WHAT YOU'LL LEARN

- How to use data to your advantage in communication and decision-making
- How to craft compelling PowerPoint storylines supported by data
- The 5 key principles of effective data storytelling
- How to persuade your audience with clear, impactful visualizations
- How to design and build high-quality dashboards that deliver insights instantly

WHAT TO EXPECT

This course about data storytelling consisting of three modules. In the first module we going to discuss some theory about visualising data in a intuitive way. In the second module, we are going to give you a lot of exercises how this works in practice. In the final module, you will create your own data storyline based on the theory provided.

AFTER THIS COURSE YOU

- Know how to use data in your advantage M16
- Are proficient in building powerpoint storylines
- Know the 5 principles of data storytelling
- Able to convince your audience by using data
- Can build the best dashboard there is!

Teachers

- Ali Hurriyetoglu
- Marieke Peeters
- Lieke Dom

For more information about examination see:
amsterdamdataacademy.com/examination-regulations



Azure Data Fundamentals course

Are you eager to know more about data engineering and want to know how you use Microsoft Azure in practice? In this course you are going to set-up your own Azure environment and after this course you know how to connect your Power BI dashboard or ML model with Azure.

Type: **Course**

Price: **€ 995,-**

Program level: **Bachelor**

Duration	Study load	Level	Format
3 weeks	24 hours	Beginner	Blend learning

WHAT YOU'LL LEARN

- When and how to choose the right data solution (Azure, AWS, or Google) for different scenarios
- How to independently set up a complete Azure environment from scratch
- How to connect and feed your Power BI dashboards or machine learning models using the Azure Stack
- How to work with cloud-based data infrastructure to support scalable analytics solutions

WHAT TO EXPECT

In this course you are going to learn how to use Microsoft Azure in the most important use cases. We are going to use Azure to feed real-time data into your Power BI dashboard. Also, we are going to use Azure to let your machine learning receive daily data from external data sources. So, after this course you know how to use Azure in your advantage.

AFTER THIS COURSE YOU

- You know when to use which data solution (Azure, AWS, Google) in which situation
- You are able to set-up an Azure environment from scratch on your own
- You know how to feed your Power BI dashboard or ML model using the Azure Stack

Teachers

- Joanne Lijbers
- Lieke Dom
- Rohit Kumar Singh

For more information about examination see:
amsterdamdataacademy.com/examination-regulations



Data visualization with Power BI course

Do you struggle with making data understandable and impactful? Our course is designed to enhance your data visualization skills, offering practical, hands-on experience with building dashboards and tips for effective data presentation. Ideal for anyone looking to tell a compelling story with their data.

● Type: **Course**

● Price: **€ 995,-**

● Program level: **Bachelor**

Duration

3 weeks

Study load

5 hours

Level

Beginner

Format

Blend learning

WHAT YOU'LL LEARN

- How to build your own Power BI dashboard from scratch
- The most important tips &




WHAT TO EXPECT

Do you struggle with making data understandable and impactful? This course enhances your data visualization skills with practical, hands-on experience building dashboards and tips for effective data presentation.

AFTER THIS COURSE YOU

- You are able to build your own Power BI dashboard from scratch
- Know the most important tips & tricks to visualize data in an intuitive way
- Understand how to use SQL and Azure to feed your Power BI dashboard

Teachers

-  Ali Hurriyetoglu
-  Mark Graus
-  Joanne Lijbers

For more information about examination see:
amsterdamdataacademy.com/examination-regulations



Programming with Python

course

Do you want to leverage Python, the leading programming language for data scientists, to perform powerful calculations on large datasets? This course is perfect for you to master Python and apply it effectively in data analysis.

Type: **Course**

Price: **€ 995,-**

Program level: **Bachelor**

Duration

3 weeks

Study load

24 hours

Level

Beginner

Format

Blend learning

WHAT YOU'LL LEARN

- The fundamentals of Python programming, including syntax, variables, and control structures
- How to use commonly used Python modules in real coding scenarios
- How to write, test, and debug your own Python scripts
- How to apply your skills in a final assignment that combines everything you've learned

WHAT TO EXPECT

This course is for anyone in a job where analyzing large datasets is important. It's not necessary to already know how to program

AFTER THIS COURSE YOU

- Understand the fundamentals and syntax of Python programming
- Can write and run your own Python code using common modules
- Are able to solve basic to intermediate programming problems independently
- Have completed a final coding assignment that brings together all your newly acquired skills

Teachers

 **Joanne Lijbers**

 **Marieke Peeters**

 **Yermo Rinsma**

For more information about examination see:
amsterdamdataacademy.com/examination-regulations



Prompt Engineering course

Do you want to leverage AI tools to make your company future-proof? Discover how to enhance productivity, cut costs, and improve decision-making with the latest AI solutions.

- Type: **Course**
- Price: **€ 995,-**
- Program level: **Bachelor**

Duration	Study load	Level	Format
3 weeks	24 hours	Beginner	Blend learning

WHAT YOU'LL LEARN

- How to craft powerful and effective prompts for AI tools like ChatGPT
- Which AI tools can enhance your daily workflow and increase efficiency
- The fundamentals of how Large Language Models (LLMs) function
- How to apply AI tools strategically within your organization or business context

WHAT TO EXPECT

This course is perfect for anyone looking to work smarter or faster with AI. You'll gain hands-on experience with tools like ChatGPT and learn how to apply them effectively within your own organization or business case.

AFTER THIS COURSE YOU

- Are able to write effective prompts like an AI expert
- Know which AI tools can boost your productivity and efficiency
- Understand how Large Language Models (LLMs) work and how to apply them in practice

Teachers

 **Joanne Lijbers**

 **Joost van Gijn**

 **Lieke Dom**

For more information about examination see:
amsterdamdataacademy.com/examination-regulations



Fundamentals of a data stack course

Do you work extensively with data and want to elevate your skills? This training is perfect for you. Learn to use essential tools that streamline data processing, save time, and enable you to work independently with advanced techniques.

Type: **Course**

Price: **€ 995,-**

Program level: **Bachelor**

Duration	Study load	Level	Format
3 weeks	24 hours	Beginner	Blend learning

WHAT YOU'LL LEARN

- The core components of the modern data stack: ingestion, storage, transformation, analytics, and visualization
- How to design and implement basic data pipelines using ETL tools and data warehouses
- Best practices for data quality, governance, and security in modern data environments
- How to build scalable, reliable workflows that support effective data-driven decision-making

WHAT TO EXPECT

This course is for anyone interested in working with data engineering tools, like Azure, Databricks and Snowflake. You do not need prior knowledge of any of these tools to follow this course. Some coding experience is recommended but not necessary.

AFTER THIS COURSE YOU

- Understand the key components of the modern data stack and how they support data-driven decision-making
- Be able to set up and manage basic data pipelines using ETL platforms and data transformation tools
- Apply best practices for data quality, governance, and security within a modern data environment
- Confidently work with data infrastructure to build scalable and reliable data workflows

Teachers

 Yermo Rinsma

 Mark Graus

 Marieke Peeters

For more information about examination see:
amsterdamdataacademy.com/examination-regulations



Microsoft Excel Essentials course

Do you want to elevate your Excel skills and unlock the full potential of this powerful spreadsheet program? Our course is designed to transform you into an Excel expert and boost your productivity.

- Type: **Course**
- Price: **€ 495,-**
- Program level: **Bachelor**

Duration	Study load	Level	Format
3 weeks	24 hours	Beginner	Blend learning

WHAT YOU'LL LEARN

- How to navigate and use the essential functions of Excel with confidence
- How to create and format spreadsheets, sort and filter data efficiently
- How to work with advanced features like pivot tables and VLOOKUP for deeper analysis
- How to apply Excel skills to real-world business problems and data-driven decision-making

WHAT TO EXPECT

In this course, you'll start by learning the basics of Excel, including pivot tables and essential formulas like VLOOKUP, with plenty of time to practice. You'll gradually build confidence through hands-on exercises and complete a final assignment to apply everything you've learned in a practical context.

AFTER THIS COURSE YOU

- Have a solid grasp of Excel fundamentals, including formatting, sorting, and filtering data
- Be proficient in advanced Excel features like pivot tables and formulas such as VLOOKUP
- Be able to apply your skills to real-world scenarios and solve practical business problems using Excel
- Confidently use Excel as a tool for data analysis and informed decision-making

Teachers


- Joanne Lijbers
- Lieke Dom
- Mark Graus

For more information about examination see:
amsterdamdataacademy.com/examination-regulations



AI & Ethics module

Do you want to understand the shifting boundaries between human skills and algorithms? This module is the first part of AI literacy. It will help you form your own perspective and teach you how to navigate this dynamic within organizations.

 Type: **Course**

 Price: **€ 495,-**

 Program level: **Bachelor**

Duration	Study load	Level	Format
3 weeks	24 hours	Beginner	Blend learning

WHAT YOU'LL LEARN

- How to recognize the shifting boundaries between human capabilities and algorithmic intelligence
- How to form your own informed perspective on the role of AI in organizations
- How to identify the strategic impact of AI on roles, decision-making, and task allocation
- How to navigate the ethical, organizational, and practical implications of AI adoption in your field

WHAT TO EXPECT

This first module is suitable for anyone dealing with strategic issues related to data usage. So, it's suitable for both managers, product owners, developers, programmers, and consultants.

AFTER THIS COURSE YOU

- Know the fundamentals of data &

Teachers

- Dilara Buyukyilmaz
- Lieke Dom
- Marieke Peeters

For more information about examination see:
amsterdamdataacademy.com/examination-regulations



AI professional bootcamp

You'll follow a flexible, blended program that combines strategic AI insights with hands-on technical skills — from prompt engineering to deploying machine learning models. Throughout the course, you'll receive expert guidance, work on real-world use cases, and finish with a final project that demonstrates your AI capabilities.

Type: **Course**

Price: **€ 4.495,-**

Program level: **Bachelor**

Duration	Study load	Level	Format
18 weeks	192 hours	Beginner	Blend learning

WHAT YOU'LL LEARN

- How to apply AI tools like Copilot, ChatGPT, and automation platforms in your daily work
- The fundamentals of machine learning, neural networks, and how to build AI models in Python
- How to craft powerful prompts and use GenAI effectively across business functions
- Strategies for identifying AI opportunities and integrating them into your organization
- The principles of responsible AI: ethics, governance, and compliance with the EU AI Act

WHAT TO EXPECT

Want to stay ahead of the AI hype and future-proof your career? Join our AI professional bootcamp and gain the skills you need to thrive in the age of AI.

AFTER THIS COURSE YOU

- Can develop your own AI strategy
- Know how to use n8n and GPT for AI agent building
- Gain hands-on experience with building AI solutions for business and automation
- Understand how to apply AI responsibly and effectively in an organizational context

Teachers

- Robin van Veen
- Yermo Rinsma
- Joanne Lijbers

For more information about examination see:
amsterdamdataacademy.com/examination-regulations



Applied AI for business professionals bootcamp

After this course, you know how to design and implement AI-powered solutions—from writing effective prompts to building autonomous agents with n8n. You'll also be able to develop a practical AI strategy aligned with your organization's goals and challenges.

- Type: **Course**
- Price: **€ 4.495,-**
- Program level: **Bachelor**

Duration	Study load	Level	Format
18 weeks	192 hours	Beginner	Blend learning

WHAT YOU'LL LEARN

- Learn how to craft effective prompts and automate complex tasks using large language models.
- Build AI agents that connect to tools, APIs, and data sources using n8n.
- Understand how to design AI-powered workflows that reason, retrieve, and act autonomously.
- Develop a practical AI strategy aligned with business goals, including risk management and adoption planning.

WHAT TO EXPECT

After this course, you know how to design and implement AI-powered solutions—from writing effective prompts to building autonomous agents with n8n. You'll also be able to develop a practical AI strategy aligned with your organization's goals and challenges.

AFTER THIS COURSE YOU

- Can write effective prompts and use advanced techniques to control LLM behavior
- Understand how to build and automate AI agents using n8n and external tools
- Know how to align AI initiatives with business goals using proven strategy frameworks
- Are able to design, implement, and scale responsible AI solutions in your organization

Teachers

- Joanne Lijbers
- Robin van Veen
- Yermo Rinsma

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amsterdamdataacademy.com/examination-regulations



Data expert bootcamp

After this exclusive bootcamp, you will become an expert in both data science and data engineering. You will be able to design, build, and maintain the infrastructure and systems that store, process, and manage data. You will learn not only the theory but also gain valuable practical experience through our hands-on assignments.

Type: **Course**

Price: **€ 6.995,-**

Program level: **Bachelor**

Duration	Study load	Level	Format
27 weeks	240 hours	Beginner	Blend learning

WHAT YOU'LL LEARN

- The fundamentals of data science, data engineering, and data ethics
- How to program in Python and build machine learning models
- How to visualize data using Power BI and manage it effectively within Azure
- How to apply your knowledge in real-world professional settings

WHAT TO EXPECT

- You will learn all you need to know about data science and data engineering
- You will have knowledge about visualizing data in Power BI
- You will have learned how to program in Python
- You will have knowledge about building a Machine Learning model in Python
- You will have learned how to structure and maintain data within Azure
- You will have knowledge about the ethics of data
- You will have the basic knowledge about data engineering
- You will be able to use this knowledge in practice in your job

AFTER THIS COURSE YOU

- You all you need to know about datascience and data engineering
- You have knowledge about visualize data in Power BI
- You have learned how to program in Python
- You have knowledge about building a Machine Learning model in Python
- You have learned how to structure and maintain data within Azure
- You have knowledge about the ethics of data
- You have the basic knowledge about data engineering
- You are able to use this knowledge in practice in your job

Teachers

- Ali Hurriyetoglu
- Bram Bregman
- Joanne Lijbers

For more information about examination see:
amsterdamdataacademy.com/examination-regulations



Data professional bootcamp

After this exclusive bootcamp, you will become an expert in both data science and analytics. You will be able to build your own Machine Learning model or Power BI dashboard. You will learn not only the theory but also gain valuable practical experience through our hands-on assignments.

 Type: **Course**

 Price: **€ 6.995,-**

 Program level: **Bachelor**

Duration	Study load	Level	Format
27 weeks	240 hours	Beginner	Blend learning

WHAT YOU'LL LEARN

- The foundations of data science and analytics, including practical applications
- How to visualize and analyze data using Power BI
- How to program in Python and build machine learning models
- How to apply ethical data practices and use your skills directly in your job

WHAT TO EXPECT

- You all you need to know about datascience and analytics
- You have knowledge about visualize data in Power BI
- You have learned how to program in Python
- You have knowledge about building a Machine Learning model in Python
- You have knowledge about the ethics of data
- You are able to use this knowledge in practice in your job

AFTER THIS COURSE YOU

- You all you need to know about datascience and analytics
- You have knowledge about visualize data in Power BI
- You have learned how to program in Python
- You have knowledge about building a Machine Learning model in Python
- You have knowledge about the ethics of data
- You are able to use this knowledge in practice in your job

Teachers

- Ali Hurriyetoglu
- Bram Bregman
- Joanne Lijbers

For more information about examination see:
amsterdamdataacademy.com/examination-regulations



Datascience bootcamp

In this bootcamp, you will be prepared to take the first steps in your career as a Data Scientist. Through practical exercises, you'll discover the various roles within the data science field, cover essential topics such as mathematics and statistics, data visualization with dashboards, and gain hands-on experience in building machine learning models using Python. Don't let the jargon intimidate you. Begin your journey, acquire valuable

Type: **Course**

Price: **€ 4.495,-**

Program level: **Bachelor**

Duration	Study load	Level	Format
18 weeks	192 hours	Beginner	Blend learning

WHAT YOU'LL LEARN

- The basics of data science, including ethics and real-world applications
- How to visualize and interpret data using Power BI
- How to build and evaluate machine learning models in Python
- A solid foundation to choose your next step in data science with confidence




WHAT TO EXPECT

- You have learned the basics of datascience
- You have knowledge about visualize data in Power BI
- You have knowledge about building a Machine Learning model in Python
- You have knowledge about the ethics of datascience
- You know everything about datascience and can decide what fits you best for future development
- You are able to use this knowledge in practice in your job.

AFTER THIS COURSE YOU

- You have learned the basics of datascience
- You have knowledge about visualize data in Power BI
- You have knowledge about building a Machine Learning model in Python
- You have knowledge about the ethics of datascience
- You know everything about datascience and can decide what fits you best for future development
- You are able to use this knowledge in practice in your job.

Teachers

-  **Joanne Lijbers**
-  **Mark Graus**
-  **Yermo Rinsma**

For more information about examination see:
amsterdamdataacademy.com/examination-regulations



AI Engineering bootcamp

To participate in this bootcamp, you don't need to be an expert in AI. We start from the very beginning and prepare you for the future. Learn how to work with AI models and even build your own. You'll gain both theoretical and practical knowledge. You can conclude your course with an internship, which we arrange for you.

- Type: **Course**
- Price: **€ 4.495,-**
- Program level: **Bachelor**

Duration	Study load	Level	Format
18 weeks	192 hours	Advanced	Blend learning

WHAT YOU'LL LEARN

- What it's like to work as an AI engineer through hands-on experience
- How to apply prompt engineering and build your own AI model
- How to further develop your skills in AI and related topics
- How to apply your AI knowledge directly in real-world scenarios

WHAT TO EXPECT

- You have experienced the life of being an AI engineer
- You learned about prompt engineering and building your own AI model
- You are able to develop yourself further on these topics
- You are able to put this knowledge into practice

AFTER THIS COURSE YOU

- You have experienced the life of being an AI engineer
- You learned about prompt engineering and building your own AI model
- You are able to develop yourself further on these topics
- You are able to put this knowledge into practice

Teachers

- Ali Hurriyetoglu
- Joanne Lijbers
- Marcel van den Bosch

For more information about examination see:
amsterdamdataacademy.com/examination-regulations



Data Engineering bootcamp

The data engineer is responsible for designing, building, and maintaining the infrastructure and systems that store, process, and manage data. In this course, Amsterdam Data Academy teaches you how to do just that. You'll not only learn the theory behind it but also gain practical experience through our hands-on assignments.

- Type: **Course**
- Price: **€ 4.495,-**
- Program level: **Bachelor**

Duration	Study load	Level	Format
18 weeks	192 hours	Advanced	Blend learning

WHAT YOU'LL LEARN

- The basics of data engineering, including Python programming
- How to build data pipelines in Databricks and manage data in Azure
- How to apply ethical principles in data engineering
- How to use your skills effectively in real-world projects and jobs

WHAT TO EXPECT

- You have learned how to program in Python
- You have knowledge about building a pipeline in Databricks
- You have learned how to structure and maintain data within Azure
- You have knowledge about the ethics of data
- You have the basic knowledge about data engineering
- You are able to use this knowledge in practice in your job

AFTER THIS COURSE YOU

- You have learned how to program in Python
- You have knowledge about building a pipeline in Databricks
- You have learned how to structure and maintain data within Azure
- You have knowledge about the ethics of data
- You have the basic knowledge about data engineering
- You are able to use this knowledge in practice in your job

Teachers

- **Bram Bregman**
- **Ali Hurriyetoglu**
- **Marcel van den Bosch**

For more information about examination see:
amsterdamdataacademy.com/examination-regulations



Data & Analytics Bootcamp

In less than 4 months, you'll learn everything about data and analytics to prepare you for a career as a data analyst. The course covers professional Excel, dashboard building with Power BI, and programming. You'll finish with a practical assignment, allowing you to apply what you've learned in a real-world setting.

 Type: **Course**

 Price: **€ 4.495,-**

 Program level: **Bachelor**

Duration	Study load	Level	Format
18 weeks	192 hours	Beginner	Blend learning

WHAT YOU'LL LEARN

- What it's like to work as a data analyst through hands-on experience
- How to use Excel at an expert level and apply statistical methods
- How to build and share your own interactive Power BI dashboards
- How to apply your skills in practice and continue developing further

WHAT TO EXPECT

- You have experienced the life of being a data analyst
- You are an expert in Excel
- You have learned about statistics
- You can build your own Power BI dashboard
- You are able to develop yourself further on these topics
- You are able to use this knowledge in practice

AFTER THIS COURSE YOU

- You have experienced the life of being a data analyst
- You are an expert in Excel
- You have learned about statistics
- You can build your own Power BI dashboard
- You are able to develop yourself further on these topics
- You are able to use this knowledge in practice

Teachers

-  **Joanne Lijbers**
-  **Lieke Dom**
-  **Mark Graus**

For more information about examination see:
amsterdamdataacademy.com/examination-regulations