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AR & VR



COMPUTER-AIDED DESIGN (CAD) FOR BEGINNERS: START DESIGNING YOUR OWN PARTS (3D FILES)

Join our introductory CAD course using Onshape, where you'll learn to create practical, functional parts. This program serves as an excellent extension to our 3D printing course, providing the skills needed to design your own parts. You'll gain proficiency in designing parts by interpreting drawings, working with existing components, and creating entirely original designs from scratch. We selected Onshape, a cloud-based 3D design tool, for its free non-commercial use. Transitioning to Fusion 360, SolidWorks or another Parametric Feature-Based CAD later is seamless. This CAD course suits hobbyists, teachers, or employees looking to swiftly apply their new skills to 3D printing, CNC milling, or laser cutting.

[View online](#)

Price: 60,00 €

Start date: 15.04.2024

Instructor(s): Schon Michel

Language: English

Difficulty: Beginner



INTRODUCTION TO 3D SCANNING: A BEGINNER'S GUIDE

Discover the world of 3D scanning with our comprehensive training program aimed at beginners. This experience is designed to provide participants with an in-depth understanding of 3D scanning, covering everything from fundamental concepts to advanced applications.

Through engaging sessions, participants will learn how to prepare for 3D scanning, choosing the right techniques, and executing scans effectively. Practical examples in alignment, merging and post-processing of scans will be shown, ensuring participants understand how to generate high-quality 3D models.

Furthermore, the training will explore the advanced realms of reverse engineering. Stay ahead of the curve by gaining insights into future trends in 3D scanning.

This course is tailored for a diverse audience, including hobbyists, teachers, and civil or mechanical engineers. While addressing the interests of various

participants, the main focus will center on applications relevant to mechanical engineering, providing valuable insights and skills for professionals in this field.

[View online](#)

Price: 16,00 €

Start date: 10.04.2024

Instructor(s): Pirotte Jérôme

Language: English

Difficulty: Beginner

BLOCKCHAIN



BLOCKCHAIN AND ARTIFICIAL INTELLIGENCE, THE POWER COUPLE!

At the moment, all eyes are on Artificial Intelligence and companies tend to invest in this particular technology given the immediate and tangible result. Blockchain on the contrary is questioned as to its real interest. Is it really a technology that is going to take off? Will it have an impact on our lives?

In this course, you will investigate both technologies: Artificial Intelligence and Blockchain and see how, when used together, they can be powerful.

[View online](#)

Price: 8,00 €

Start date: 29.03.2024

Instructor(s): Emilie Allaert

Language: English

Difficulty: Beginner



BLOCKCHAIN TECHNOLOGY (1/2)

What is a blockchain? How does it work? This course will cover everything you need to know about the fundamentals of blockchain technology and its characteristics in detail.

[View online](#)

Price: 12,00 €

Start date: 30.04.2024

Instructor(s): Thierry Grandjean

Language: English

Difficulty: Beginner



CLASSIFICATION OF TOKENS

Tokens are the new grail. Take a deep dive in their characteristics.

This course will provide the necessary elements to identify tokens, classify them based on their characteristics, as a first step to identify the legal framework that would be applicable.

[View online](#)

Price: 8,00 €

Start date: 06.06.2024

Instructor(s): Melvin Tjon Akon

Language: English

Difficulty: Beginner



CRYPTO ASSET AND TOKENIZATION (2/2)

How can you transfer money using blockchain? Discover the potential of DLT and the tokenization process.

[View online](#)

Price: 12,00 €

Start date: 22.05.2024

Instructor(s): Thierry Grandjean

Language: English

Difficulty: Beginner



DECENTRALIZED AUTONOMOUS ORGANIZATIONS (DAO)

Decentralized autonomous organizations (DAO) are powerful concepts supported by blockchain and smart contracts, which can be used to improve trust in an “organization” by implementing a trust model. This course, at first sight, intents to show the audience the concept of the decentralized autonomous organization (DAO), its characteristics, and its usefulness.

[View online](#)

Price: 24,00 €

Start date: 03.04.2024

Instructor(s): Dr. Adnan Imeri

Language: English

Difficulty: Intermediate



DEEP DIVE INTO THE EU MARKETS IN CRYPTO-ASSETS REGULATION (MiCA)

The course will cover the various legal implications of the MiCA regulation. MiCA has been signed in May 2023 and will enter into force in 2024. This course will review and provide information about the required steps for all targeted businesses.

[View online](#)

Price: 8,00 €

Start date: 11.06.2024

Instructor(s): Boika Deleva

Language: English

Difficulty: Intermediate



DIGITAL ASSETS AND INVESTMENT FUNDS

While we observe a surge of interest in the digital asset space and potential as a diversification mean, fund professionals need to understand the framework and ensure its compliance with the framework in place.

[View online](#)

Price: 8,00 €

Start date: 04.06.2024

Instructor(s): Anne-Lise Vandevoir

Language: English

Difficulty: Beginner



DIGITAL IDENTITIES: SELF SOVEREIGN IDENTITY AND DIGITAL WALLETS

This course will explore digital identities with the aim of affording a thorough understanding the whole schema of digital identities, from verifiable credentials, through blockchain, decentralized identifiers, and digital wallets.

[View online](#)

Price: 32,00 €

Start date: 08.05.2024

Instructor(s): Dr. Adnan Imeri

Language: English

Difficulty: Intermediate



DLT FOR BANKING – TECHNOLOGY AND REGULATION

Aimed at professionals from the financial sector, this training will share information on the technology and regulation around Digital Ledger Technologies in the financial services industry, to enable participants to know more about the impact of the technology on their business. We will provide insights on the opportunities brought about by the technology and its evolution, as well as on the regulatory framework.

[View online](#)

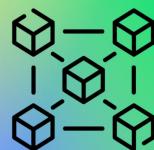
Price: 16,00 €

Start date: 17.04.2024

Instructor(s): Laurent Marochini

Language: English

Difficulty: Beginner



DLT GEEK

You are an IT professional and need to up your game to master the blocks? This path is designed for you!

[View online](#)

Price: 124,00 €

Start date: 03.04.2024

Instructor(s): Adnan Imeri, Tony Malghem, Thierry Grandjean, Alvaro Garrido Mesa, Louis Chavalier

Language: English

Difficulty: Intermediate



GDPR & BLOCKCHAIN'S IMMUTABLE NATURE

GDPR and DLT, are they compatible?

This class will provide you with some basic information on the General Data Protection Regulation (GDPR) and the distributed ledger technology/blockchain technology. During the introduction, we will notice that a tension exists between some principles of the GDPR as for example the right to be forgotten and the blockchain's immutable nature. This tension will be discussed during the interactive course.

[View online](#)

Price: 8,00 €

Start date: 19.06.2024

Instructor(s): Zoe Wagner

Language: English

Difficulty: Beginner



HOW TO ACHIEVE VIABLE FINANCIAL ASSET TOKENIZATION

Everything you need to know to tokenize a financial instrument: from legal considerations to technical challenges.

In this course, we will describe the needed steps to tokenize a financial instrument. How to define a use case, understand the legal considerations and how to address the technical challenges. We will also do a practical exercise by creating and issuing a token in a sandbox environment.

[View online](#)

Price: 20,00 €

Start date: 24.06.2024

Instructor(s): Tony Malghem, Alvaro Garrido Mesa

Language: English

Difficulty: Intermediate



INTRODUCTION TO BLOCKCHAIN

Blockchain technologies are coming back into the spotlight for good reasons.

On the one hand, the EU will soon enact its long-awaited "Markets in Crypto-Assets" (MiCA) regulation which gives legitimacy to the most popular blockchain applications, the crypto-assets. Large institutional actors are expected to enter the new economic domain that this legislation opens up, which should reveal new problems to solve and create new blockchain related jobs and opportunities.

On the other hand, the vast developments in AI in the past years threaten to upend our societies by tearing at the fabric of trust on which human interaction is built. With AI becoming more capable of imitating human output by the day, we will soon have trouble telling the truth apart from fabrication. As the "trust machine", blockchain is ideally positioned to be the essential ingredient in future applications that will tame potentially "runaway, rogue AI".

The course is designed for a broad audience of professionals looking to acquire a solid general understanding of blockchain technologies and their potential impact going forward. The course aims to provide the intellectual tools needed to assess various blockchain technologies and their suitability for solving a spectrum of business problems both in established contexts (big organisations) and in innovative settings (start-ups).

[View online](#)

Price: 96,00 €

Start date: 19.03.2024

Instructor(s): Wim Stalmans, Sorin Cristescu

Language: English

Difficulty: Beginner



INTRODUCTION TO THE BLOCKCHAIN LEGAL FRAMEWORK

The course gives a broad introduction to the legal framework around blockchain and guides the participants through an understanding of what is authorized, respectively regulated or prohibited when using the blockchain (in Luxembourg and in Europe). At the end of the course, the participant will have acquired a foundational understanding of the blockchain legal environment.

[View online](#)

Price: 8,00 €

Start date: 02.07.2024

Instructor(s): Zoe Wagner

Language: English

Difficulty: Beginner



INTRODUCTION TO TOKENIZATION

This class is designed to give all the basics about tokenization and especially how to use tokenization as a mechanism to obtain financing. It will also provide all necessary information about the various actors of the ecosystem.

[View online](#)

Price: 14,00 €

Start date: 25.06.2024

Instructor(s): Alvaro Garrido Mesa

Language: English

Difficulty: Beginner



LEGAL ASPECTS OF TOKENIZATION

With a focus on security tokens, the course deep dives into the regulatory framework associated with the tokenization of assets. It is the follow-up from the course [Introduction to Tokenization](#). This course has been created as Luxembourg is recognized internationally as a place to do Tokenization and is rich in possibilities.

[View online](#)

Price: 14,00 €

Start date: 25.06.2024

Instructor(s): Alvaro Garrido Mesa

Language: English

Difficulty: Beginner



LIABILITY & BLOCKCHAIN'S BORDERLESS NATURE

Learn more about the impact of Distributed Ledger Technology (DLT) on financial transactions. Define liabilities, where they stand and what are the critical aspects of using DLT to perform such transactions. This course will provide a legal overview on the liability aspects of different intermediaries relying on blockchain records in case there is a failure at any stage of the lifecycle of an asset.

[View online](#)

Price: 16,00 €

Start date: 11.06.2024

Instructor(s): Philippe Noeltner, Roman Mazhorov

Language: English

Difficulty: Beginner



NON-FUNGIBLE TOKEN (NFT) CREATION

NFT (Non-Fungible Tokens) have been the buzzword in the creative space. They can offer much more than just rights associated with a picture. The two trainers will guide you through learning more about the technology, its use cases and its applications that could be extended beyond the art industry

In this course, we'll cover the background behind the NFT creation, from a technical and market point of view

[View online](#)

Price: 24,00 €

Start date: 07.06.2024

Instructor(s): Dr. Adnan Imeri, Louis Chevalier

Language: English

Difficulty: Intermediate



THE TEZOS BLOCKCHAIN ECOSYSTEM

Tezos is one of the Distributed Ledger Technologies available today. This course will explore Tezos' ecosystem, and the opportunities it affords. Find out how it works, its consensus and how is it being used in concrete use cases.

[View online](#)

Price: 24,00 €

Start date: 05.04.2024

Instructor(s): Louis Chevalier

Language: English

Difficulty: Intermediate



USE OF BLOCKCHAIN IN CAPITAL MARKETS

How can Blockchain be used by issuers, account keepers and investors to issue, keep and hold transferable securities

This course analyses the Luxembourg and EU legal framework applicable to the issuance of transferable securities to determine how Blockchain can be leveraged by such market players. The course will also analyse the different structuring options to issuing a transferable security using the Blockchain.

[View online](#)

Price: 16,00 €

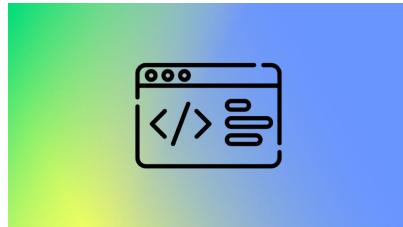
Start date: 22.05.2024

Instructor(s): Philippe Noeltner

Language: English

Difficulty: Intermediate

CODING



"AROUND DIGITAL" SKILLS

Today, digital technology is everywhere, influencing almost every workplace and work capacity. We aim to help participants fully embrace these changes and discover opportunities in these challenges. This short set of courses aims to help participants discover opportunities in the digital field. We will be working on Project Management, User Experience, entrepreneurial competencies, challenges in today's work environment in relation to digital evolution, and the use of Content Management System.

[View online](#)

Price: 96,00 €

Start date: 19.03.2024

Instructor(s): Marina Andrieu, Apolline Weirich

Language: English

Difficulty: Beginner



ANGULAR

Angular est le framework JavaScript le plus répandu au Luxembourg. Maintenu par Google, il permet d'accélérer tout développement et de poser un cadre pour vos applications.

[View online](#)

Price: 56,00 €

Start date: 11.03.2024

Instructor(s): Nicolas Frizzarin

Language: French

Difficulty: Beginner



ANGULAR

Angular est le framework JavaScript le plus répandu au Luxembourg. Maintenu par Google, il permet d'accélérer tout développement et de poser un cadre pour vos applications.

[View online](#)

Price: 56,00 €

Start date: 27.06.2024

Instructor(s): Nicolas Frizzarin

Language: French

Difficulty: Beginner



AUTOMATION OF REPETITIVE TASKS WITH CLASSICAL AND VISUAL PROGRAMMING (RPA) TECHNIQUES

Numerous companies experience a prevalence of repetitive tasks. Processing data in Excel, obtaining and transferring documents via Outlook, repetitive manipulations of internal ERP systems are just a few examples.

This course is aimed at analysts seeking to automate and professionalise their tasks, as well as managers, wishing to learn about the possibilities offered by the combination of "classic" programming tools and Robotic Process Automation (RPA). During the course, we will present a general definition, key differences, as well as concrete examples of how they have been implemented in business.

Open the doors to programmatic automation, and your vision of work in business will never be the same again.

[View online](#)

Price: 32,00 €

Start date: 18.04.2024

Instructor(s): Maurizio Napoli, Gauthier Pierard

Language: English

Difficulty: Intermediate



AUTOMATION OF REPETITIVE TASKS WITH CLASSICAL AND VISUAL PROGRAMMING (RPA) TECHNIQUES

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This course is aimed at analysts seeking to automate and professionalise their tasks, as well as managers, wishing to learn about the possibilities offered by the combination of "classic" programming tools and Robotic Process Automation (RPA). During the course, we will present a general definition, key differences, as well as concrete examples of how they have been implemented in business.

Open the doors to programmatic automation, and your vision of work in business will never be the same again.

[View online](#)

Price: 32,00 €

Start date: 22.10.2024

Instructor(s): Maurizio Napoli, Gauthier Pierard

Language: English

Difficulty: Intermediate



CONTENEURISATION AVEC DOCKER

La conteneurisation est l'une des clés fondatrices de l'informatique moderne et est souvent considérée comme la porte d'entrée vers le Cloud. À la fin de ce module, vous serez capable de conteneuriser et d'exécuter vos applications sur Docker.

[View online](#)

Price: 56,00 €

Start date: 12.09.2024

Instructor(s): Jérémy Albrecht

Language: French

Difficulty: Beginner



DÉCOUVERTE DU DEVOPS

Initiation au métier du DevOps. Ce module vous permettra d'appréhender les enjeux de DevOps. L'un des objectifs ici et de démysterifier un domaine technique plutôt large.

[View online](#)

Price: 28,00 €

Start date: 14.05.2024

Instructor(s): Jérémie Albrecht

Language: French

Difficulty: Beginner



DÉCOUVERTE DU DEVOPS

Initiation au métier du DevOps. Ce module vous permettra d'appréhender les enjeux de DevOps. L'un des objectifs ici et de démysterifier un domaine technique plutôt large.

[View online](#)

Price: 28,00 €

Start date: 09.09.2024

Instructor(s): Jérémie Albrecht

Language: French

Difficulty: Beginner



DEMYSTIFYING IT CAREER PATHS

The course will cover various IT paths and career opportunities, explaining how the DLH can assist participants eager to pursue an IT career. Participants will gain insights into the roles, responsibilities, and skills required for various IT positions, as well as the latest trends and technologies shaping the industry. This course is ideal for students, career changers, and professionals looking to navigate and succeed in the dynamic world of IT.

[View online](#)

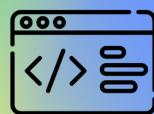
Price: 16,00 €

Start date: 29.03.2024

Instructor(s): Chakib Senhadji

Language: English

Difficulty: Beginner



DÉVELOPPEUR WEB

Apparu avec Internet, le développement web fait référence au processus d'écriture d'un site ou d'une page web dans un langage technique. Il s'agit d'une étape incontournable pour qu'un contenu soit mis en ligne et atteigne ses lecteurs. Le développeur web s'occupe de la réalisation de l'ensemble des fonctionnalités techniques d'un site Internet ou d'une application web. En fonction des exigences présentées dans un cahier des charges précis, ce spécialiste analyse les besoins et définit la solution technique adaptée. Il développe ensuite les fonctionnalités du site ou de l'application web en rédigeant des lignes de code. Ses missions incluent également le diagnostic et la résolution de problèmes détectés sur un site déjà en ligne. La polyvalence, l'autonomie, la capacité d'adaptation ainsi que le respect des délais figurent parmi les qualités de ce professionnel.

Les sujets abordés lors des cours :

- Les fondamentaux – comment fonctionne un navigateur web ?
- JavaScript – le moteur des applications Web
- TypeScript – le Super Set de JavaScript
- Apprenez le framework web de Google le plus utilisée au Luxembourg
- Apprenez la librairie Front end de Facebook, la plus utilisée au Luxembourg
- Comprendre le futur du Browser (navigateur web)

[View online](#)

Price: 252,00 €

Start date: 07.06.2024

Instructor(s): Nicolas Frizzarin / Enes Koc

Language: French

Difficulty: Intermediate



DEVOPS – GESTIONNAIRE DES MODIFICATIONS ET DE LA CONFIGURATION DES TIC

En favorisant la communication et la collaboration entre les équipes chargées du développement et des opérations IT, le DevOps vise à optimiser la satisfaction client et à proposer des solutions à valeur ajoutée plus rapidement. Le DevOps est aussi conçu pour stimuler l'innovation dans une optique d'amélioration continue des processus.

Les sujets abordés lors des cours :

- Initiation au métier du DevOps
- La porte vers le Cloud
- Apprenez comment configurer un pipeline en utilisant GitOps
- Dernière étape d'une chaîne DevOps : L'orchestration de conteneur en utilisant Kubernetes

[View online](#)

Price: 168,00 €

Start date: 14.05.2024

Instructor(s): M. Guillaume HOMBERG

Language: French

Difficulty: Beginner



DEVOPS – GESTIONNAIRE DES MODIFICATIONS ET DE LA CONFIGURATION DES TIC

En favorisant la communication et la collaboration entre les équipes chargées du développement et des opérations IT, le DevOps vise à optimiser la satisfaction client et à proposer des solutions à valeur ajoutée plus rapidement. Le DevOps est aussi conçu pour stimuler l'innovation dans une optique d'amélioration continue des processus.

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- Apprenez comment configurer un pipeline en utilisant GitOps
- Dernière étape d'une chaîne DevOps : L'orchestration de conteneur en

utilisant Kubernetes

[View online](#)

Price: 168,00 €

Start date: 09.09.2024

Instructor(s): Guillaume Homberg / Jérémie Albrecht

Language: French

Difficulty: Beginner



DIGITAL ENTREPRENEURSHIP 101

This course aims to help participants with their tech entrepreneurial journey and give them insights and advice on how to start their projects. The first part of the session is a lecture full of information and the second part will serve as practice.

[View online](#)

Price: 24,00 €

Start date: 16.04.2024

Instructor(s): Marina Andrieu

Language: English

Difficulty: Beginner



FROM CODE TO MOTION: COMBINING ROBOTICS AND CODING FOR INDUSTRIAL AUTOMATION

Discover the fascinating world of industrial robotics with comprehensive training program. Designed for beginners, this training will provide you with a solid introduction to robotics and equip you with essential skills to thrive in this field.

Throughout the course, you will delve into key elements of robotics, starting with an in-depth exploration of the fundamental principles that underpin this cutting-edge technology. From there, you will progress to robotics programming, where you will learn to program robots using a variety of languages, including Teach & Play, Blockly, and introductory Python.

The course goes beyond theory by emphasizing practical applications of robotics. You will gain insights into real-world scenarios where robots are utilized across different industries and sectors. Additionally, you will have

hands-on experience working with dobot robots, enabling you to develop and program robots to perform specific tasks in both manual and autonomous modes.

Collaboration is a vital aspect of our workshop, as you will engage with fellow participants to complete a final project that showcases your understanding of robotics and programming concepts. By the end of the course, you will have acquired a solid foundation in robotics, mastered programming techniques, and developed critical thinking skills applicable to real-life situations.

Don't miss this opportunity to unlock your potential in the exciting field of industrial robotics. Enroll today and embark on a transformative learning journey that will broaden your horizons and open doors to endless possibilities.

[View online](#)

Price: 160,00 €

Start date: 20.06.2024

Instructor(s): Abdoellah Adam

Language: English

Difficulty: Beginner



HOW TO USE WEB SERVICES WITH JAVASCRIPT

Imagine you would like to get information about a country and use these data on your website. How would you do that?

Where would you get the data from? The solution is easy!

Nowadays, you address an open online database via a web service to retrieve the information that is publicly available.

This course provides you with an overview of a "service-oriented architecture". After a brief introduction to Javascript, you learn how to send requests to a web service, how to retrieve information and how to display them in a browser. Learners will gain hands-on experience in utilizing JavaScript to interact with web services.

Although this course is not a typical Javascript class, it summarizes basic structures and instructions and introduces you to the basic concepts of reading JSON files. Therefore, programming knowledge is not a prerequisite as such.

[View online](#)

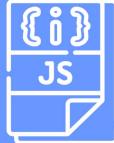
Price: 64,00 €

Start date: 30.03.2024

Instructor(s): Dren Gashi

Language: English

Difficulty: Intermediate



HOW TO USE WEB SERVICES WITH JAVASCRIPT

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[View online](#)

Price: 64,00 €

Start date: 02.11.2024

Instructor(s): Dren Gashi

Language: English

Difficulty: Intermediate



INITIATION AUX TECHNOLOGIES DU WEB

Les fondamentaux – comment fonctionne un navigateur web ? L'écosystème Web est en constante évolution et le navigateur est au centre de celle-ci. Vous apprendrez à mieux appréhender le navigateur et ses capacités.

[View online](#)

Price: 28,00 €

Start date: 07.06.2024

Instructor(s): Nicolas Frizzarin

Language: French

Difficulty: Beginner



INTRODUCTION TO HTML AND CSS, THE CORE TECHNOLOGIES FOR BUILDING WEB PAGES!

Have you ever wondered how pages are created? Would you like to learn how to create a web page? In this course, you will be learning how to create a static web page from scratch by using the main technologies of the web: HTML (Hypertext Markup Language) and CSS (Cascading Style Sheets). HTML provides the structure of the page while CSS is responsible for the (visual) layout for a variety of devices.

The training sessions are very hands-on oriented in dedicated computer rooms. Participants can also bring their own laptop.

Through an active engagement, we will have a look at versatile use-cases of HTML and CSS for creating modern web pages.

[View online](#)

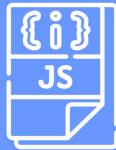
Price: 64,00 €

Start date: 07.09.2024

Instructor(s): Dren Gashi

Language: English

Difficulty: Beginner



INTRODUCTION TO JAVASCRIPT – THE LANGUAGE OF THE BROWSER!

JavaScript is the language of the browser! And not only that: JavaScript also remains the most popular programming language for the tenth time in a row and is used by almost 17.5 million developers worldwide (Source: State of the Developer Nation 2022). Not only do new developers see JavaScript as an attractive entry-level language, but existing developers are also using it to expand their skills. As a result, JavaScript is now used by more than half of the developers working on web applications. So this is a course you don't want to miss!

We will learn how to create dynamic web pages with JavaScript. The training sessions are very hands-on oriented in dedicated computer rooms.

Participants can also bring their own laptop.

Through an active engagement, we will have a look at versatile use-cases of JavaScript and especially use it for validation purposes.

[View online](#)

Price: 64,00 €

Start date: 05.10.2024

Instructor(s): Dren Gashi

Language: English

Difficulty: Intermediate



INTRODUCTION TO NEW DIGITAL TRENDS

Digital transformation is always evolving, this course aims to help participants assess the opportunities that these digital trends can offer them. The session will be divided into two parts. The first half will be dedicated to discovering and understanding the new digital trends while the other half will be dedicated to practicing some of them.

[View online](#)

Price: 24,00 €

Start date: 23.04.2024

Instructor(s): Marina Andrieu

Language: English

Difficulty: Beginner



INTRODUCTION TO SQL, THE QUERY LANGUAGE FOR RELATIONAL DATABASES

SQL is the most popular query language par excellence and is used by many world-famous companies such as Facebook, Microsoft, Adobe and others. It is hard to imagine working with relational databases without SQL. In this very practical course we will not only learn about the language, but also perform various data queries on a MySQL server.

The training sessions are very hands-on oriented in dedicated computer rooms.

Through an active engagement, we will tackle various problem sets and discuss the different approaches.

[View online](#)

Price: 64,00 €

Start date: 23.11.2024

Instructor(s): Dren Gashi

Language: English

Difficulty: Beginner



INTRODUCTION TO WORDPRESS

Launched 20 years ago, WordPress is the most powerful content management system (CMS) on the web. The participants will learn the difference between the two versions of Wordpress and which version is the best depending on their objectives and technical skills. From theory to practice they will be able to start their first website or blog.

[View online](#)

Price: 24,00 €

Start date: 19.03.2024

Instructor(s): Apolline Weirich

Language: English

Difficulty: Beginner



JAVA - ADVANCED JAVA PROGRAMMING

This module is designed for learners who completed Module 1, or who have full knowledge of its concepts and would like to learn some more advanced tools to design software. In particular, the participants will learn how to structure their software in a more organized and efficient way using functions, in addition to the main source code. During this module, the participants will also be learning how to organize and manage a bigger amount of data in an ordered sequential structure.

The lessons are interactive and will be divided between theory sections and practical exercises, in which the learners can consolidate their knowledge. In addition, several small projects run throughout the module, and there will be a final project that will incorporate content from Modules 1 & 2.

[View online](#)

Price: 80,00 €

Start date: 30.09.2024

Instructor(s): Lisa Hennecart

Language: English

Difficulty: Beginner



JAVA - DATA MANAGEMENT AND DATABASES

This module is designed for participants who completed Modules 1 and 2, or anyone has full knowledge of their concepts and would like to learn some more advanced tools to design software. In particular, the students will learn how to use databases, which is a necessary and universal way to store and organize large amounts of data. Through exercises and small projects, learners will translate real-world cases into software in which the user can insert, manage, search, and delete data.

The lessons will be interactive, and will include theoretical and practical sections in which the learners can directly consolidate their knowledge. Learners will develop professional software written in Java programming language. With this conclusive module, participants will acquire the abilities necessary to obtain the job position of Java Developer.

[View online](#)

Price: 80,00 €

Start date: 11.11.2024

Instructor(s): Lisa Hennecart

Language: English

Difficulty: Intermediate



JAVA - INTRODUCTION TO COMPUTATIONAL THINKING AND JAVA PROGRAMMING

This module is for anyone would like to learn the basic concepts of computer programming applied to the Java programming language and to become a future Java Developer.

Designed for beginner-level learners participants, this course introduces a complete knowledge of coding with Java basic tools, and uses a practical approach which enables participants to design and develop their own software.

The lesson methodology is interactive, with the time is split between theory and practice, so that participants can learn by practice, directly apply their new knowledge in a practical learning experience.

[View online](#)

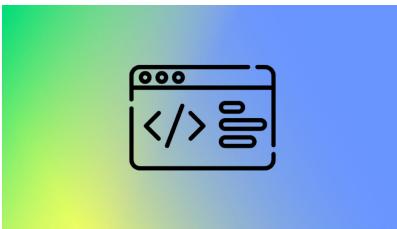
Price: 80,00 €

Start date: 09.09.2024

Instructor(s): Lisa Hennecart

Language: English

Difficulty: Beginner



JAVA – JUNIOR DEVELOPER

The aim of this Learning Track is to provide full knowledge in coding with Java so that participants, who have no prior knowledge in Java programming, can take on a position as Java Jr Developer upon completion of the course.

[View online](#)

Price: 320,00 €

Start date: 09.09.2024

Instructor(s): Lisa Hennecart

Language: English

Difficulty: Beginner



JAVA – OBJECT ORIENTED PROGRAMMING IN JAVA

This module is designed for participants who completed Modules 1 and 2, or anyone has full knowledge of their concepts and would like to learn some more advanced tools to design software. In particular, participants will learn how to design their software using Object-Oriented Programming. OOP is a powerful and universal way to conceive software features and functionalities, enabling efficient and versatile software design.

Participants will learn how to translate real-world cases in a software that is understandable and easy to use for users, and create software that helps to face and solve real-life issues that might occur, both in the workplace and outside of it.

The lessons will be interactive, and will include theoretical and practical sections in which the learners can directly consolidate their knowledge. Several small projects run throughout the module, and there will be a final group project that will incorporate contents from Modules 1, 2 & 3.

[View online](#)

Price: 80,00 €

Start date: 21.10.2024

Instructor(s): Lisa Hennecart

Language: English

Difficulty: Intermediate



JAVASCRIPT

Le moteur des applications web. Une étape obligatoire pour tout développeur web. Vous apprendrez tout ce qui est nécessaire pour le développement JavaScript ainsi que les bons cas d'usage.

[View online](#)

Price: 56,00 €

Start date: 13.06.2024

Instructor(s): Nicolas Frizzarin

Language: French

Difficulty: Beginner



LE FUTUR DU WEB

Nous sommes actuellement dans un virage technologique fort pour le développement front-end. Ce cours vous permettra de mieux appréhender les changements à venir pour répondre aux problèmes de demain.

[View online](#)

Price: 28,00 €

Start date: 17.09.2024

Instructor(s): Enes Koc

Language: French

Difficulty: Beginner



LOW-CODE OUTSYSTEMS PLATFORM - REACTIVE DEVELOPER TRAINING

The OutSystems Reactive Developer Training is a comprehensive course designed to equip participants with the necessary skills and knowledge to develop reactive web applications using the OutSystems platform.

In today's fast-paced digital landscape, organizations are seeking efficient and agile solutions to deliver high-quality web applications. This course addresses this need by providing a deep dive into reactive development, a popular approach for building responsive and interactive web applications.

The training begins with an introduction to the fundamentals of reactive web development, ensuring that participants have a solid understanding of the underlying concepts. From there, the course covers a range of topics including data modeling and server-side logic implementation. Participants will also gain hands-on experience in leveraging the OutSystems platform to develop robust and scalable applications.

The primary aim of this course is to empower developers with the skills and expertise needed to leverage reactive web development and the OutSystems platform effectively. By the end of the course, participants will be able to design, develop, and deploy reactive web applications.

The course adopts a practical and interactive approach, combining theoretical instruction with hands-on exercises. Participants will have the opportunity to apply their learning through practical exercises and engage in collaborative discussions with instructors and peers.

Overall, the OutSystems Reactive Developer Training offers a valuable learning experience for developers looking to enhance their expertise in reactive web development and leverage the capabilities of the OutSystems platform to build modern and responsive web applications.

[View online](#)

Price: 140,00 €

Start date: 13.05.2024

Instructor(s): Siyaul Haqu Ebrahim Kunju Madeera

Language: English

Difficulty: Beginner



MODÈLISATION D'UNE BASE DE DONNÉES

SGBD

Préparer les données

Redondances de données

Trancher les données à l'aide de la matrice des dépendances

Définir clé primaire et clé étrangère

Etablir un modèle conceptuel de données

Les relations

Les cardinalités

Modèle logique des données

Représentation virtuelle des données

Modèle physique des données

Formes normales

Contrainte d'intégrité fonctionnelle

Ce cours permet aux participants de trancher parmi les données pour construire un modèle physique de données qui sert de plan pour construire une base de données. Le but principal est d'éviter des redondances et de détecter des contraintes d'intégrité fonctionnelle afin d'éviter des problèmes de gestion des données.

Des exercices pratiques mènent les participants à bien assimiler les tranches de théorie de la matière traitée.

[View online](#)

Price: 36,00 €

Start date: 10.10.2024

Instructor(s): GNAD Christiane

Language: French

Difficulty: Beginner



ORCHESTRER VOS APPLICATIONS AVEC KUBERNETES

Dernière étape d'une chaîne DevOps: être capable d'orchestrer ses ressources en vue d'optimiser ses déploiements. Dans ce module, nous aborderons les notions de cluster, d'unité de déploiement et de réPLICATION. Pour ce faire, nous utiliserons Kubernetes, technologie opensource leader du marché.

[View online](#)

Price: 56,00 €

Start date: 15.04.2024

Instructor(s): Guillaume Homberg

Language: French

Difficulty: Beginner



ORCHESTRER VOS APPLICATIONS AVEC KUBERNETES

Dernière étape d'une chaîne DevOps: être capable d'orchestrer ses ressources en vue d'optimiser ses déploiements. Dans ce module, nous aborderons les notions de cluster, d'unité de déploiement et de réPLICATION. Pour ce faire, nous utiliserons Kubernetes, technologie opensource leader du marché.

[View online](#)

Price: 56,00 €

Start date: 22.05.2024

Instructor(s): Guillaume Homberg

Language: French

Difficulty: Beginner



ORCHESTRER VOS APPLICATIONS AVEC KUBERNETES

Dernière étape d'une chaîne DevOps: être capable d'orchestrer ses ressources en vue d'optimiser ses déploiements. Dans ce module, nous aborderons les notions de cluster, d'unité de déploiement et de réPLICATION. Pour ce faire, nous utiliserons Kubernetes, technologie opensource leader du marché.

[View online](#)

Price: 56,00 €

Start date: 23.09.2024

Instructor(s): Guillaume Homberg

Language: French

Difficulty: Beginner



P1 – INTRODUCTION À LA PROGRAMMATION AVEC PYTHON

Ce cours va donner un aperçu sur les manipulations de base en programmation basé sur le langage de python.

L'apprenant aura des connaissances des variables, des instructions de structures de condition (if) et des structures de répétition (while).

Ce cours aura comme but que l'apprenant sera capable de réaliser des petits programmes tels qu'une calculatrice ou une analyse de texte.

Des tranches de théories seront suivies par des exercices pratiques. Après chaque séance, un travail à domicile facultatif est proposé et la théorie peut être révisée à travers des QCM.

[View online](#)

Price: 48,00 €

Start date: 03.09.2024

Instructor(s): GNAD Christiane

Language: French

Difficulty: Beginner



P2 – STRUCTURES COMPLEXES ET FONCTIONS

Pour aller plus loin dans la programmation, des structures complexes sont indispensables tel que liste, tuple, dictionnaire et set seront traités.

L'exploitation de ces structures est facilitée par une nouvelle structure de répétition tel que le for.

Des manipulations d'ajoute, de suppression et de modifications des éléments et des structures sont traitées.

Après l'exploitation des listes à une dimension, une exploitation à 2 dimensions est abordée, qui sera suivie par le thème de boucles imbriquées.

Le cours se termine par une introduction aux fonctions pour alléger le code du programme.

Des tranches de théories seront suivies par des exercices pratiques. Après chaque séance un travail à domicile facultatif est proposé et la théorie peut être révisée à travers des QCM.

[View online](#)

Price: 48,00 €

Start date: 01.10.2024

Instructor(s): GNAD Christiane

Language: French

Difficulty: Beginner



P3 – FONCTIONS, MODULES, BIBLIOTHÈQUES ET FICHIERS

Programmer des fonctions et rassembler ces fonctions dans des modules

Exporter une fonction dans un module

Inclure une fonction à partir d'un module dans le programme

Travailler avec des fichiers

Lire un fichier

Ecrire un fichier

Rédiger des fonctions est un atout dans la programmation ainsi que l'échange de données à travers des fichiers texte.

Des tranches de théories seront suivies par des exercices pratiques. Après chaque séance un travail à domicile facultatif est proposé et la théorie peut être révisée à travers des QCM.

[View online](#)

Price: 48,00 €

Start date: 12.03.2024

Instructor(s): GNAD Christiane

Language: French

Difficulty: Beginner



P4 – IMPLÉMENTER UNE BASE DE DONNÉES AVEC PYTHON ET MYSQL

Implémenter une base de données avec Python et Mysql.

L'utilisateur apprend à établir une connexion entre le programme et le serveur et à rédiger des instructions Python/Mysql pour construire une base de données.

Etablir des clés primaires et clés étrangères.

Gérer les contraintes référentielles.

Échange de données (injection, lecture) par l'intermédiaire de tuples ainsi que la suppression de données seront réalisés.

Ce cours permet de comprendre la mise en œuvre d'une base de données relationnelle, du modèle physique de données jusqu'à la réalisation et l'exploitation des tables.

Des tranches de théories seront suivies par des exercices pratiques. Après chaque séance un travail à domicile facultatif est proposé et la théorie peut être révisée à travers des QCM.

[View online](#)

Price: 48,00 €
Start date: 03.12.2024
Instructor(s): GNAD Christiane
Language: French
Difficulty: Beginner



PIPELINE DE DEPLOIEMENT AVEC GITOPS

Une fois vos application conteneurisées, il sera temps de construire une chaîne de build et de déploiement qui vous permettra d'industrialiser vos processus. Vous apprendrez ici les bases des pipelines en utilisant l'imprementation de GitHub. L'objectif est d'automatiser vos tests unitaires, votre build et enfin votre déploiement

[View online](#)

Price: 28,00 €
Start date: 21.05.2024
Instructor(s): Jérémie Albrecht
Language: French
Difficulty: Beginner



PIPELINE DE DEPLOIEMENT AVEC GITOPS

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[View online](#)

Price: 28,00 €
Start date: 16.09.2024
Instructor(s): Jérémie Albrecht
Language: French
Difficulty: Beginner



PYTHON - BASICS CAMP

This course is ideal for people with no previous knowledge of Python and want to learn more about programming and in particular the world's most widely used programming language. The course will provide a complete understanding of Python's the basic tools and operators, including variables, conditionals, and loops. The aim of the course is to provide students with a basic knowledge of coding with Python so that they are able to create their own working software. The lesson will take place in an interactive and practical format, alternating between theory and exercises, where the students can put their knowledge into practice. To maintain focus and a collaborative environment, there will be a final group project that will incorporate everything learned during the course.

[View online](#)

Price: 80,00 €

Start date: 28.10.2024

Instructor(s): Lisa Hennecart

Language: English

Difficulty: Beginner



PYTHON - OBJECT ORIENTED PROGRAMMING AND DESKTOP APPLICATION CREATION

This course is ideal for anyone who already has a basic knowledge in Python coding and wants to learn how to develop high-level softwares using the world's most widely used programming language. The course will provide a comprehensive understanding of advanced tools and code structures in Python, reviewing functions, classes, databases and user interfaces. The aim of the course is to provide students with a better knowledge of coding with the Python language so that they are able to create professional software. The lesson will take place in an interactive and practical format, alternating between theory and exercises, where the students can apply their knowledge into practice. To maintain attention and a collaborative environment, there will be a final group project that will integrate everything that has been learned during the course.

[View online](#)

Price: 80,00 €

Start date: 05.08.2024

Instructor(s): Lisa Hennecart

Language: English

Difficulty: Intermediate



PYTHON – OBJECT ORIENTED PROGRAMMING AND DESKTOP APPLICATION CREATION

This course is ideal for anyone who already has a basic knowledge in Python coding and wants to learn how to develop high-level softwares using the world's most widely used programming language. The course will provide a comprehensive understanding of advanced tools and code structures in Python, reviewing functions, classes, databases and user interfaces. The aim of the course is to provide students with a better knowledge of coding with the Python language so that they are able to create professional software. The lesson will take place in an interactive and practical format, alternating between theory and exercises, where the students can apply their knowledge into practice. To maintain attention and a collaborative environment, there will be a final group project that will integrate everything that has been learned during the course.

[View online](#)

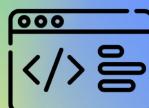
Price: 80,00 €

Start date: 25.11.2024

Instructor(s): Lisa Hennecart

Language: English

Difficulty: Intermediate



PYTHON BASICS

Apprendre à programmer en language Python.

Ce Learning Track (parcours d'apprentissage) est composé des quatre modules suivants :

[View online](#)

Price: 192,00 €

Start date: 03.09.2024

Instructor(s): GNAD Christiane

Language: French

Difficulty: Beginner



REACTJS

React est une librairie très utilisée concurrente à Angular. Le point fort de React est sa légèreté. Développée par les équipes de Facebook, cette librairie est incontournable dans l'écosystème actuel.

[View online](#)

Price: 56,00 €

Start date: 21.03.2024

Instructor(s): Enes Koc

Language: French

Difficulty: Beginner



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[View online](#)

Price: 56,00 €

Start date: 12.09.2024

Instructor(s): Enes Koc

Language: French

Difficulty: Beginner



SEO FOR WEB DEVELOPERS & FRONT-END DEVELOPERS

This training covers the essentials of SEO for web development practitioners and is aimed at raising awareness among developers about how they can better support content editors, web marketers (and all the job positions involved in the SEO process) by integrating the tools best suited to their tasks, including AI, which is playing a major role in SEO today.

[View online](#)

Price: 48,00 €

Start date: 14.05.2024

Instructor(s): Ludovic GIAMBIASI

Language: English

Difficulty: Beginner



TYPESCRIPT

TypeScript - Le Super Set de JavaScript. Aujourd'hui, TypeScript fait partie intégrante du développement front-end. Il apporte de grandes améliorations à JavaScript comme le typage fort. Maintenu par Microsoft, il est le langage de base de pléthore de framework web comme Angular.

[View online](#)

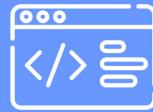
Price: 28,00 €

Start date: 20.06.2024

Instructor(s): Nicolas Frizzarin

Language: French

Difficulty: Beginner



VISION SYSTEMS FOR INDUSTRIAL ROBOTS

In the industrial world, the synergy between vision systems and robots has become increasingly prevalent and indispensable. Vision systems are essential tools used for quality inspection, coordinate determination, and various other tasks in industrial settings. This course, "Vision Systems for Industrial Robots," is designed to provide beginners with a comprehensive introduction to using vision applications in conjunction with industrial robots.

[View online](#)

Price: 64,00 €

Start date: 10.07.2024

Instructor(s): Adam Abdoellah

Language: English

Difficulty: Beginner

CYBERSECURITY



DEMYSTIFYING AUTHENTICATION

What is authentication, and what are its various forms? Why is it important to have a good password? What is a good password? What is a passphrase? What are the various ways of managing your passwords? What is multi-factor authentication? What is the future of authentication?

With a growing abundance of means for ensuring online privacy and security, everyone needs to understand the tools they are using. This course will demystify the concepts involved in authentication and the underlying technologies that enable it. It will equip attendees with practical skills for ensuring their own digital privacy and security for navigating in the digital world.

[View online](#)

Price: 16,00 €

Start date: 17.05.2024

Instructor(s): Remy BERTOT

Language: English

Difficulty: Intermediate



DEMYSTIFYING IT CAREER PATHS

The course will cover various IT paths and career opportunities, explaining how the DLH can assist participants eager to pursue an IT career. Participants will gain insights into the roles, responsibilities, and skills required for various IT positions, as well as the latest trends and technologies shaping the industry. This course is ideal for students, career changers, and professionals looking to navigate and succeed in the dynamic world of IT.

[View online](#)

Price: 16,00 €

Start date: 29.03.2024

Instructor(s): Chakib Senhadji

Language: English

Difficulty: Beginner



INTRODUCTION À LA CYBERSÉCURITÉ

Les technologies digitales et l'internet sont devenus indispensables dans la vie quotidienne.

De ce fait les attaques sur les systèmes d'information accroissent de jour en jour. Il est donc indispensable de connaître les méthodes et techniques des attaquants afin d'éviter des conséquences néfastes au niveau professionnel et privatif.

Ce cours offre une vue globale sur les systèmes d'informations et prépare les participants aux problèmes qui peuvent survenir dans le quotidien.

Le cours présente un échange constant entre le formateur et les participants. La théorie est illustrée par des petites séquences vidéo qui amènent les participants à réfléchir et qui sera base de discussion pour trouver des solutions pour contourner l'attaque.

[View online](#)

Price: 36,00 €

Start date: 14.05.2024

Instructor(s): GNAD Christiane

Language: French

Difficulty: Beginner



INTRODUCTION À LA CYBERSÉCURITÉ

Les technologies digitales et l'internet sont devenus indispensables dans la vie quotidienne.

De ce fait les attaques sur les systèmes d'information accroissent de jour en jour. Il est donc indispensable de connaître les méthodes et techniques des attaquants afin d'éviter des conséquences néfastes au niveau professionnel et privatif.

Ce cours offre une vue globale sur les systèmes d'informations et prépare les participants aux problèmes qui peuvent survenir dans le quotidien.

Le cours présente un échange constant entre le formateur et les participants. La théorie est illustrée par des petites séquences vidéo qui amènent les participants à réfléchir et qui sera base de discussion pour trouver des solutions pour contourner l'attaque.

[View online](#)

Price: 36,00 €

Start date: 07.11.2024

Instructor(s): GNAD Christiane

Language: French

Difficulty: Beginner



INTRODUCTION À LA GESTION DES RISQUES ET MONARC

Pour minimiser les risques au sein d'une organisation, il est essentiel de les analyser et de les comprendre en profondeur. Aborder l'analyse des risques sans méthode structurée conduit souvent à des imprécisions, et tenter de le faire sans outil efficace peut s'avérer long et fastidieux. Ce cours vise à fournir aux participants les bases de l'analyse de risques, à les familiariser avec les normes et méthodologies existantes en matière de gestion de risques et à leur permettre de comprendre et d'utiliser l'outil et la méthode MONARC, une initiative open-source du Luxembourg.

[View online](#)

Price: 52,00 €

Start date: 27.06.2024

Instructor(s): Benjamin Joly

Language: French

Difficulty: Beginner



MICROSOFT SECURITY, COMPLIANCE, AND IDENTITY FUNDAMENTALS

Ce cours fournit des connaissances de base sur les concepts de sécurité, de conformité et d'identité, ainsi que sur les solutions Microsoft basées sur le cloud qui s'y rapportent.

Le support de cours et l'environnement des labs est en anglais.

[View online](#)

Price: 28,00 €

Start date: 10.05.2024

Instructor(s): Microsoft Certified Trainer Xavier NIX

Language: French

Difficulty: Beginner



MICROSOFT SECURITY, COMPLIANCE, AND IDENTITY FUNDAMENTALS

Ce cours fournit des connaissances de base sur les concepts de sécurité, de conformité et d'identité, ainsi que sur les solutions Microsoft basées sur le cloud qui s'y rapportent.

Le support de cours et l'environnement des labs est en anglais.

[View online](#)

Price: 28,00 €

Start date: 06.09.2024

Instructor(s): Microsoft Certified Trainer Xavier NIX

Language: French

Difficulty: Beginner



MICROSOFT SECURITY, COMPLIANCE, AND IDENTITY FUNDAMENTALS

Ce cours fournit des connaissances de base sur les concepts de sécurité, de conformité et d'identité, ainsi que sur les solutions Microsoft basées sur le cloud qui s'y rapportent.

Le support de cours et l'environnement des labs est en anglais.

[View online](#)

Price: 28,00 €

Start date: 09.12.2024

Instructor(s): Microsoft Certified Trainer Xavier NIX

Language: French

Difficulty: Beginner



PERSONAL DATA AND INFORMATION SECURITY - LEGAL STAKES AND NEW EU RULES

This course provides you with an introduction to the requirements of the General Data Protection Regulation (GDPR), how to comply and demonstrate compliance, how to address practical issues, and how to embed data protection into operations.

[View online](#)

Price: 16,00 €

Start date: 17.04.2024

Instructor(s): TOME, Michaël

Language: English

Difficulty: Beginner



PERSONAL DATA AND INFORMATION SECURITY - LEGAL STAKES AND NEW EU RULES

This course provides you with an introduction to the requirements of the General Data Protection Regulation (GDPR), how to comply and demonstrate compliance, how to address practical issues, and how to embed data protection into operations.

[View online](#)

Price: 16,00 €

Start date: 19.06.2024

Instructor(s): TOME, Michaël

Language: English

Difficulty: Beginner



PERSONAL DATA AND INFORMATION SECURITY - LEGAL STAKES AND NEW EU RULES

This course provides you with an introduction to the requirements of the General Data Protection Regulation (GDPR), how to comply and demonstrate compliance, how to address practical issues, and how to embed data protection into operations.

[View online](#)

Price: 16,00 €

Start date: 02.10.2024

Instructor(s): TOME, Michaël

Language: English

Difficulty: Beginner



SENSIBILISATION À LA SÉCURITÉ DE L'INFORMATION

Cette formation de sensibilisation initie les participants aux risques liés aux ordinateurs, aux appareils mobiles et à l'internet. En ce qui concerne les violations de données et les cyberattaques, ce sont surtout les personnes qui sont visées par les cybercriminels, et non les ordinateurs. À l'aide de nombreux exemples concrets, la session interactive vise à confronter les participants à des menaces auxquelles ils seront confrontés dans la vie de tous les jours, et à leur apprendre à maîtriser ces situations. Les participants qui auront suivi la formation seront beaucoup plus résistants face à ces cyber-risques.

[View online](#)

Price: 12,00 €

Start date: 07.05.2024

Instructor(s): Muller, Steve

Language: French

Difficulty: Beginner



SENSIBILISATION À LA SÉCURITÉ DE L'INFORMATION

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[View online](#)

Price: 12,00 €

Start date: 05.11.2024

Instructor(s): Muller, Steve

Language: French

Difficulty: Beginner



SENSIBILISÉIERUNG FÜR CYBERSICHERHEIT

Dës Formatioun zur Sensibilisierung mécht d'Deelhueler mat de Risike vertraut, déi mat Computere, mobile Geräter an dem Internet verbonne sinn. Bei Datenschutzverletzungen a Cyberugränner si meeschters d'Mënschen d'Zil vu Cyberkriminellen, net d'Computeren. D'interaktiv Schoulung ziilt dorop of, d'Deelhueler unhand vu ville Beispiller aus der Praxis mat de Bedrohungen ze konfrontéieren, deene si am Alldag begéingen, an hinne bâizebréngen, wéi si dës Situatiounen meeschtere können. D'Deelhueler, déi d'Formatioun absolvéiert hunn, wäerte vill méi resistant géint sou Cybersécurité sinn.

[View online](#)

Price: 12,00 €

Start date: 04.06.2024

Instructor(s): Steve Muller

Language: Luxembourgish

Difficulty: Beginner



SMARTPHONES ARE HARD TO HACK: MYTH OR REALITY?

Since the birth of the iPhone in 2007, the smartphone has become our mobile device of choice, allowing us to be more connected and productive than ever. With these extremely powerful mini computers in our pockets, containing private, confidential and sometimes sensitive data, it has evolved into an increasing target for hackers and government agencies alike from all over the globe. Hence, it is of importance to understand the major threat vectors as well as how to reduce the risks of our smartphone getting hacked. Through a mix of theory, real world examples and interactive discussions, you'll discover how easy or difficult it can be to compromise a modern smartphone.

To help you take note digitally, you'll receive a fill-able PDF workbook, that you can print if you prefer taking notes manually. To evaluate your knowledge and understanding, there will be three short quizzes throughout the training. This 1-day training will take place in-person between 09:00 and 16:00 (lunch break between 12:00 and 13:00).

[View online](#)

Price: 24,00 €

Start date: 23.05.2024

Instructor(s): Schreurs, Damien

Language: English

Difficulty: Beginner

DATA & AI



ART AND ARTIFICIAL INTELLIGENCE

After a brief introduction to artificial intelligence (AI), its role in our daily lives and current scientific research on the subject, participants discover that this technology can be used to create works of art. The various stages in the design of artificial intelligence are covered: data collection and preparation, training and finally evaluation of the AI. Through presentations and hands-on activities, this workshop highlights the importance of data and how it can be used to train intelligent machines. It also enables participants to form their own opinions on artificial intelligence and understand the impact on our society of new tools such as ChatGPT.

[View online](#)

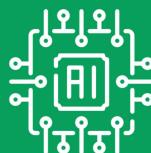
Price: 12,00 €

Start date: 17.04.2024

Instructor(s): Régine POUSSIN

Language: English

Difficulty: Beginner



COMPUTER VISION – ARE COMPUTERS BLIND?

After a brief introduction to the state of art of computer vision, you will be given get a clear picture of what a computer actually sees. How is a digital image created and processed by a computer? You will then dive into the basics of computer vision to understand how a computer could recognize a number in an image by looking for some of its characteristics (or features). This will lead to the use of neural networks in the field of computer vision. A simple yet accurate explanation of neural networks such as perceptrons, convolutional neural networks and haar features will be provided.

[View online](#)

Price: 8,00 €

Start date: 24.04.2024

Instructor(s): STAMMET, Christophe

Language: English

Difficulty: Beginner



DEMYSTIFYING IT CAREER PATHS

The course will cover various IT paths and career opportunities, explaining how the DLH can assist participants eager to pursue an IT career. Participants will gain insights into the roles, responsibilities, and skills required for various IT positions, as well as the latest trends and technologies shaping the industry. This course is ideal for students, career changers, and professionals looking to navigate and succeed in the dynamic world of IT.

[View online](#)

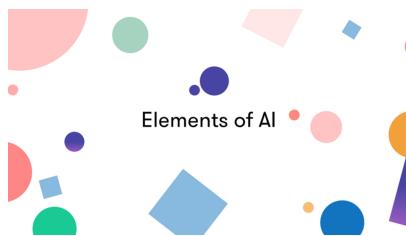
Price: 16,00 €

Start date: 29.03.2024

Instructor(s): Chakib Senhadji

Language: English

Difficulty: Beginner



ELEMENTS OF AI - DLH SUPPORT GROUP

The DLH offers a voluntary support group for people who have signed up for the online course "[Elements of AI](#)" developed by [MinnaLearn](#) and the [University of Helsinki](#).

Elements of AI is a free Massive Open Online Course (MOOC) designed to encourage a broad group of people to learn what AI is, what you can (and cannot) do with AI, and how to start developing AI methods.

The MOOC combines theoretical and practical exercises and can be taken at your own pace.

[Register for the MOOC](#)

DLH SUPPORT GROUP

The DLH offers 3 face-to-face sessions where participants meet at the Digital Learning Hub with two experienced AI trainers.

The aim of the support group is to:

- Review the content of the MOOC
- Discuss use cases such as:
 - How does AI improve the efficiency of your company?
 - How are Convolutional Neural Networks used in the robotic industry?
- Hold Q&A sessions

Webinars

In addition to the MOOC itself, the University of Luxembourg Competence Centre organizes [webinars](#) to give complementary presentations on each of

the chapters covered in the MOOC.

If you wish to participate in this support group, it is necessary to register by clicking on "Add to cart" below.

[View online](#)

Price: 0,00 €

Start date: 13.05.2024

Instructor(s): Mr. Chakib Senhadji and Dr. Daniela Gierschek

Language: English

Difficulty: Beginner



HOW TO COPE WITH THE FUTURE AI ACT

If assisted tools are acknowledged to improve process of organisations, there are also growing concerns about their embedded algorithms which remain biased. Like previously with General Data Protection Regulation (GDPR), companies will have to comply with an upcoming EU regulation relating to their use of AI assisted systems in order to prevent the perpetuation of historical patterns of discrimination (e.g., against women, certain age groups, persons with disabilities, or persons of certain racial or ethnic origins or sexual orientation).

This training will help organisations cope with the future AI Act. To learn more about this regulation: <https://artificialintelligenceact.eu/>

[View online](#)

Price: 16,00 €

Start date: 14.11.2024

Instructor(s): Marie Gallais

Language: English

Difficulty: Intermediate



IA, ÉTHIQUE ET SOCIÉTÉ - COMMENT VIVRE ET DÉVELOPPER L'IA

L'intelligence artificielle (IA) représente l'un des domaines du monde numérique qui fait actuellement l'objet d'un développement important partout dans le monde. Cela signifie que les citoyens sont et seront confrontés, dans leur vie professionnelle et personnelle, à des produits numériques qui incluent des composants d'intelligence artificielle.

Cette formation aborde de façon claire, pratique et avec de nombreuses interactions avec les participants, les notions clefs de l'IA et de étudie son impacte sur l'emploi et l'éthique des sociétés.

[View online](#)

Price: 28,00 €

Start date: 27.03.2024

Instructor(s): Prof. Dr. GUELFI, Nicolas

Language: French

Difficulty: Beginner



INTRODUCTION APPLIQUÉE À L'INTELLIGENCE ARTIFICIELLE POUR LE CITOYEN

L'intelligence artificielle (IA) représente l'un des domaines du monde numérique qui fait actuellement l'objet d'un développement important partout dans le monde. Cela signifie que les citoyens sont et seront confrontés, dans leur vie professionnelle et personnelle, à des produits numériques qui incluent des composants d'intelligence artificielle. Cette formation aborde de façon claire, pratique et avec de nombreuses interactions avec les participants, les notions clefs de l'IA et de l'apprentissage profond qui se développent à grande vitesse de nos jours.

[View online](#)

Price: 56,00 €

Start date: 23.04.2024

Instructor(s): Prof. Dr. GUELFI, Nicolas

Language: French

Difficulty: Beginner



JOURNEY TO AI AND CHATGPT

In this journey, the learner gets an overview the history of AI, its ups and downs, a glimps behind the scene how it works and how an AI system can be used in daily life. Some AI systems are analysed to provide precise illustrations on the opportunities and limitations of AI. ChatGPT is studied more in detail, how prompting helps to fully profite of this chatbot and how similar AI systems may help us in our professional work.

[View online](#)

Price: 12,00 €

Start date: 13.06.2024

Instructor(s): Dr Serge Linckels

Language: English

Difficulty: Beginner



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[View online](#)

Price: 12,00 €

Start date: 26.09.2024

Instructor(s): Dr Serge Linckels

Language: English

Difficulty: Beginner



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[View online](#)

Price: 12,00 €

Start date: 28.11.2024

Instructor(s): Dr Serge Linckels

Language: English

Difficulty: Beginner



MASTERING CHATGPT AND PROMPT ENGINEERING TO UNLEASH YOUR PRODUCTIVITY AND CREATIVITY

This course about ChatGPT and prompt engineering is aimed at students who have an interest in AI language models. It's especially valuable because it offers skills that can be used in real world situations, and it's created for all, from beginners to those with more experience.

The learning journey begins with simple prompt engineering, a vital part of AI communication. They'll get to understand the basic rules of prompt engineering, delve into how ChatGPT operates, and discover how to apply these skills to their individual projects.

The course's main goal is to ensure students truly understand prompt engineering. At the end of the course, students should be capable of using this newfound knowledge creatively in their own work. The aim is to show students how to use ChatGPT efficiently for their own needs.

The teaching approach is practical and interactive, offering step-by-step instructions and real-life scenarios.

[View online](#)

Price: 12,00 €

Start date: 25.04.2024

Instructor(s): Julien Carosi

Language: English

Difficulty: Beginner



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[View online](#)

Price: 12,00 €

Start date: 28.05.2024

Instructor(s): Julien Carosi

Language: English

Difficulty: Beginner



PERSONAL DATA AND INFORMATION SECURITY - LEGAL STAKES AND NEW EU RULES

This course provides you with an introduction to the requirements of the General Data Protection Regulation (GDPR), how to comply and demonstrate compliance, how to address practical issues, and how to embed data protection into operations.

[View online](#)

Price: 16,00 €

Start date: 17.04.2024

Instructor(s): TOME, Michaël

Language: English

Difficulty: Beginner



PERSONAL DATA AND INFORMATION SECURITY - LEGAL STAKES AND NEW EU RULES

This course provides you with an introduction to the requirements of the General Data Protection Regulation (GDPR), how to comply and demonstrate compliance, how to address practical issues, and how to embed data protection into operations.

[View online](#)

Price: 16,00 €

Start date: 19.06.2024

Instructor(s): TOME, Michaël

Language: English

Difficulty: Beginner



PERSONAL DATA AND INFORMATION SECURITY - LEGAL STAKES AND NEW EU RULES

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[View online](#)

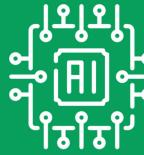
Price: 16,00 €

Start date: 02.10.2024

Instructor(s): TOME, Michaël

Language: English

Difficulty: Beginner



UTILISATION ET SPÉCIALISATION DE GRANDS MODÈLES DE LANGUES COMME CHATGPT

Les chatbots basés sur de grands modèles de langage (LLM) construits à l'aide de réseaux de neurones transformateurs tels que ChatGPT jouent un rôle croissant dans la société, grâce à leur bonne capacité à générer des textes, des images, des sons et des vidéos de type humain. Ils sont/peuvent/seront utilisés dans divers domaines tels que : le service client, les assistants personnels, l'éducation, la santé, l'accessibilité, la création de contenu, le divertissement et bien plus encore.

Cependant, si les chatbots basés sur les LLM offrent de nombreux avantages, il existe également des risques et des défis potentiels. Il s'agit notamment du risque de générer des contenus inappropriés ou préjudiciables, des difficultés à comprendre le contexte, des difficultés à fournir des informations exactes et des préoccupations concernant la confidentialité et la sécurité des données. Les considérations éthiques sont cruciales à mesure que ces technologies continuent de se développer et de s'intégrer de plus en plus dans la société.

[View online](#)

Price: 56,00 €

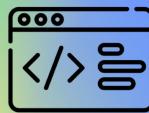
Start date: 19.03.2024

Instructor(s): Prof. Dr. GUELFI, Nicolas, DE JESUS SOUSA , Tiago

Language: French

Difficulty: Beginner

DESIGN THINKING



"AROUND DIGITAL" SKILLS

Today, digital technology is everywhere, influencing almost every workplace and work capacity. We aim to help participants fully embrace these changes and discover opportunities in these challenges. This short set of courses aims to help participants discover opportunities in the digital field. We will be working on Project Management, User Experience, entrepreneurial competencies, challenges in today's work environment in relation to digital evolution, and the use of Content Management System.

[View online](#)

Price: 96,00 €

Start date: 19.03.2024

Instructor(s): Marina Andrieu, Apolline Weirich

Language: English

Difficulty: Beginner



CERTIFIED PROFESSIONAL USER EXPERIENCE – FOUNDATION LEVEL

This course is an introduction to the fundamentals of usability and UX. It is based on content from the International Usability and User Experience Qualification Board (UXQB).

The course introduces you to the basic methods of UX, for example, the human-centered design activities, user research and usability testing. It also introduces you to basic terms in UX, for example user experience, interview, persona, scenario, user requirement, user journey map, prototype and usability inspection.

The course is based on the CPUX-F curriculum, which is freely available on www.uxqb.org.

[View online](#)

Price: 64,00 €

Start date: 18.03.2024

Instructor(s): [Rolf Molich](#)

Language: English

Difficulty: Beginner



CERTIFIED PROFESSIONAL USER EXPERIENCE – USABILITY TESTING

The training is based on the CPUX-UT curriculum from the International Usability and User Experience Qualification Board (UXQB). The training time is used for presentations with quiz questions and practical exercises with room for debate and questions. Approximately 50% of the training is devoted to exercises with a special emphasis on creating test tasks, moderation and communication of test results.

The training provides a systematic and thorough overview of usability testing and evaluation with a focus on:

- Terms and concepts in usability testing
- Planning and conducting usability testing
- Communicating and “selling” the results of usability testing, and why “selling” the results is important
- Planning and conducting usability inspections of user interfaces
- Designing, conducting and analysing both quantitative and qualitative surveys

The full CPUX-UT curriculum is available at no cost from www.uxqb.org.

[View online](#)

Price: 88,00 €

Start date: 20.03.2024

Instructor(s): [Rolf Molich](#)

Language: English

Difficulty: Intermediate



COMPUTER-AIDED DESIGN (CAD) FOR BEGINNERS: START DESIGNING YOUR OWN PARTS (3D FILES)

Join our introductory CAD course using Onshape, where you'll learn to create practical, functional parts. This program serves as an excellent extension to our 3D printing course, providing the skills needed to design your own parts. You'll gain proficiency in designing parts by interpreting drawings, working with existing components, and creating entirely original designs from scratch. We selected Onshape, a cloud-based 3D design tool, for its free non-commercial use. Transitioning to Fusion 360, SolidWorks or another Parametric Feature-Based CAD later is seamless. This CAD course suits hobbyists, teachers, or employees looking to swiftly apply their new skills to 3D printing, CNC milling, or laser cutting.

[View online](#)

Price: 60,00 €

Start date: 15.04.2024

Instructor(s): Schon Michel

Language: English

Difficulty: Beginner



DESIGN SPRINT – CREATE AND TEST A PROTOTYPE IN JUST 5 DAYS

This course will cover the fundamentals of the design sprints and the different type of design sprints that exist. During this course, you will learn how to prepare and facilitate a design thinking workshop, run a design sprint as well as create and test your own ideas.

[View online](#)

Price: 160,00 €

Start date: 15.04.2024

Instructor(s): LAHEURTE AMELIE

Language: English

Difficulty: Beginner



FROM CODE TO MOTION: COMBINING ROBOTICS AND CODING FOR INDUSTRIAL AUTOMATION

Discover the fascinating world of industrial robotics with comprehensive training program. Designed for beginners, this training will provide you with a solid introduction to robotics and equip you with essential skills to thrive in this field.

Throughout the course, you will delve into key elements of robotics, starting with an in-depth exploration of the fundamental principles that underpin this cutting-edge technology. From there, you will progress to robotics programming, where you will learn to program robots using a variety of languages, including Teach & Play, Blocky, and introductory Python.

The course goes beyond theory by emphasizing practical applications of robotics. You will gain insights into real-world scenarios where robots are utilized across different industries and sectors. Additionally, you will have hands-on experience working with dobot robots, enabling you to develop and program robots to perform specific tasks in both manual and autonomous modes.

Collaboration is a vital aspect of our workshop, as you will engage with fellow participants to complete a final project that showcases your understanding of robotics and programming concepts. By the end of the course, you will have acquired a solid foundation in robotics, mastered programming techniques, and developed critical thinking skills applicable to real-life situations.

Don't miss this opportunity to unlock your potential in the exciting field of industrial robotics. Enroll today and embark on a transformative learning journey that will broaden your horizons and open doors to endless possibilities.

[View online](#)

Price: 160,00 €

Start date: 20.06.2024

Instructor(s): Abdoellah Adam

Language: English

Difficulty: Beginner



INDUSTRIAL AND PRODUCT DESIGN

Are you passionate about creating innovative products? Join our empowering Industrial and Product Design Workshop and unlock your creative potential in the world of design. This interactive and hands-on workshop is designed to equip you with essential skills and insights to bring your product ideas to life.

The course will be run as a series of workshops, which will include a product design project. By the end of this workshop, you will have gained a comprehensive understanding of the product design process and acquired practical skills to develop compelling and user-centered designs.

Course outline :

- 1st Session – Product Design History
- 2nd Session – Project Kickoff
- 3rd Session – Concept Development
- 4th Session – Manufacturing Possibilities

[View online](#)

Price: 48,00 €

Start date: 23.04.2024

Instructor(s): Kauffmann Dean

Language: English

Difficulty: Beginner



INTRODUCTION TO 3D SCANNING: A BEGINNER'S GUIDE

Discover the world of 3D scanning with our comprehensive training program aimed at beginners. This experience is designed to provide participants with an in-depth understanding of 3D scanning, covering everything from fundamental concepts to advanced applications.

Through engaging sessions, participants will learn how to prepare for 3D scanning, choosing the right techniques, and executing scans effectively. Practical examples in alignment, merging and post-processing of scans will be shown, ensuring participants understand how to generate high-quality 3D models.

Furthermore, the training will explore the advanced realms of reverse engineering. Stay ahead of the curve by gaining insights into future trends in 3D scanning.

This course is tailored for a diverse audience, including hobbyists, teachers, and civil or mechanical engineers. While addressing the interests of various participants, the main focus will center on applications relevant to mechanical engineering, providing valuable insights and skills for professionals in this field.

[View online](#)

Price: 16,00 €

Start date: 10.04.2024
Instructor(s): Pirotte Jérôme
Language: English
Difficulty: Beginner



INTRODUCTION TO TOKENIZATION

This class is designed to give all the basics about tokenization and especially how to use tokenization as a mechanism to obtain financing. It will also provide all necessary information about the various actors of the ecosystem.

[View online](#)

Price: 14,00 €
Start date: 25.06.2024
Instructor(s): Alvaro Garrido Mesa
Language: English
Difficulty: Beginner



INTRODUCTION TO UX AND PROJECT MANAGEMENT

This course will focus on User experience (UX) and Project Management. It will focus on the process which design teams use to create products that provide meaningful and relevant experiences to users. It will also focus on the application of processes, to achieve specific objectives and parameters.

[View online](#)
Price: 24,00 €
Start date: 26.03.2024
Instructor(s): Marina Andrieu
Language: English
Difficulty: Beginner



LEGAL ASPECTS OF TOKENIZATION

With a focus on security tokens, the course deep dives into the regulatory framework associated with the tokenization of assets. It is the follow-up from the course [Introduction to Tokenization](#). This course has been created as Luxembourg is recognized internationally as a place to do Tokenization and is rich in possibilities.

[View online](#)

Price: 14,00 €

Start date: 25.06.2024

Instructor(s): Alvaro Garrido Mesa

Language: English

Difficulty: Beginner



THE ERGONOMIC AUDIT – HOW AND WHY TO CONDUCT IT?

During this course, participants will gain an understanding of usability criteria, including the 10 heuristics and Gestalt principles, and learn how to build an evaluation grid to conduct an UX audit on their own. The course will also cover how to write an analysis report with structured results, strategic recommendations and a project roadmap.

[View online](#)

Price: 32,00 €

Start date: 11.04.2024

Instructor(s): LAHEURTE AMELIE

Language: English

Difficulty: Beginner

GOVERNANCE



COMMENT OPTIMISER MON C.V. ET MON PROFIL SUR LES RÉSEAUX

Ce module est fait pour vous donner toutes les informations et les clés pour comprendre le fonctionnement du marché de l'emploi afin de contacter les recruteurs de manière impactante. Nous vous aiderons à améliorer le contenu et le design de votre C.V. , la rédaction d'une lettre de motivation et votre profil Linkedin.

[View online](#)

Price: 32,00 €

Start date: 18.03.2024

Instructor(s): Sandrine Pironnet

Language: French

Difficulty: Beginner



COMMENT RÉUSSIR MON ENTRETIEN D'EMBAUCHE

Les candidats ne se sentent pas toujours à l'aise pour se présenter lors des entretiens d'embauche. Nous voulons aider les participants à se sentir prêts, savoir comment marquer des points, avoir préparé leur pitch et les arguments pour convaincre.

[View online](#)

Price: 32,00 €

Start date: 21.03.2024

Instructor(s): Sandrine Pironnet

Language: French

Difficulty: Beginner



CYBERSECURITY ACT & TECHNICAL STANDARDIZATION

Nowadays, regulations and standardization play a key role in the process of digital transformation. The field of cybersecurity is well-regulated and aims to provide a high level of security and trust in ICT products, services and processes. This course gives a general introduction of certification schemes developed in the frame of this EU Regulation.

This training will make the participants aware of the Regulation (EU) 2019/881 (Cybersecurity Act – CSA), which aims to provide a high level of cybersecurity and trust in ICT products, services and processes in the EU. The certification schemes developed in the frame of this Regulation (EUCC – ICT products, EUCS – Cloud services) will be introduced.

It will provide an overview of the standardization developments supporting cybersecurity and the CSA (introduction to technical standardization, presentation of the national standardization commission “Cybersecurity”, examples of standards in support of the CSA).

[View online](#)

Price: 16,00 €

Start date: 04.04.2024

Instructor(s): Dr. Jean Lancrenon, Mr. Nicolas Domenjoud

Language: English

Difficulty: Beginner



DIGITAL DREAM JOB BOOST, PRÉPAREZ VOUS POUR RÉUSSIR VOTRE PARCOURS DE RECRUTEMENT

Comment être préparé pour réussir toutes les étapes d'un processus de recrutement.

Ce Learning Track (parcours d'apprentissage) est composé des deux modules suivants :

[View online](#)

Price: 64,00 €

Start date: 18.03.2024

Instructor(s): Sandrine Pironnet

Language: French
Difficulty: Beginner



IMPROVE YOUR STAKEHOLDER COMMUNICATION USING THE DISC METHODOLOGY

Information technology and digital skills continue to gain in importance in today's business. As such, strong ICT profiles are rare to find, and very sought after. Technical skills, however, are only one side of the coin. Next to being technology-savvy and IT-adept, the human facet remains essential to your professional progression and career. Understanding the client and their needs, communicating in an effective way, and ultimately selling your skills, your project and/or your products and services are just as crucial. This 4-hour workshop aims at equipping you with the ability to better understand yourself, and to adapt to the various stakeholders, especially non-technical, in order to be effective and successful in your business undertakings.

[View online](#)

Price: 16,00 €

Start date: 12.07.2024

Instructor(s): Federspiel, Catherine, Federspiel, Catherine

Language: English

Difficulty: Beginner



IMPROVE YOUR STAKEHOLDER COMMUNICATION USING THE DISC METHODOLOGY

Information technology and digital skills continue to gain in importance in today's business. As such, strong ICT profiles are rare to find, and very sought after. Technical skills, however, are only one side of the coin. Next to being technology-savvy and IT-adept, the human facet remains essential to your professional progression and career. Understanding the client and their needs, communicating in an effective way, and ultimately selling your skills, your project and/or your products and services are just as crucial. This 4-hour workshop aims at equipping you with the ability to better understand yourself, and to adapt to the various stakeholders, especially non-technical, in order to be effective and successful in your business undertakings.

[View online](#)

Price: 16,00 €

Start date: 25.10.2024

Instructor(s): Federspiel, Catherine, Federspiel, Catherine, Federspiel,

Catherine

Language: English

Difficulty: Beginner



IMPROVE YOUR STAKEHOLDER COMMUNICATION USING THE DISC METHODOLOGY

Information technology and digital skills continue to gain in importance in today's business. As such, strong ICT profiles are rare to find, and very sought after. Technical skills, however, are only one side of the coin. Next to being technology-savvy and IT-adept, the human facet remains essential to your professional progression and career. Understanding the client and their needs, communicating in an effective way, and ultimately selling your skills, your project and/or your products and services are just as crucial. This 4-hour workshop aims at equipping you with the ability to better understand yourself, and to adapt to the various stakeholders, especially non-technical, in order to be effective and successful in your business undertakings.

[View online](#)

Price: 16,00 €

Start date: 19.04.2024

Instructor(s): Federspiel, Catherine

Language: English

Difficulty: Beginner



ISO 37301 COMPLIANCE MANAGEMENT SYSTEM – INTRODUCTION

This course will deal with the standards of ISO 37301 ISO standards, review the norms , give keys to evaluation with practice considering the participants situations and contexts

[View online](#)

Price: 32,00 €

Start date: 07.05.2024

Instructor(s): DEMETS Marnik

Language: English

Difficulty: Beginner



ISO 37301 COMPLIANCE MANAGEMENT SYSTEM – INTRODUCTION

This course will deal with the standards of ISO 37301 ISO standards, review the norms , give keys to evaluation with practice considering the participants situations and contexts

[View online](#)

Price: 32,00 €

Start date: 13.11.2024

Instructor(s): DEMETS Marnik

Language: English

Difficulty: Beginner

IT ADMINISTRATION & CLOUD



AUTOMATING ADMINISTRATION WITH WINDOWS POWERSHELL

Ce cours permet aux étudiants d'acquérir les connaissances et les compétences fondamentales pour utiliser PowerShell afin d'administrer et d'automatiser l'administration des serveurs Windows. Ce cours permet aux étudiants d'identifier et de construire la commande dont ils ont besoin pour effectuer une tâche spécifique. En outre, les étudiants apprennent à construire des scripts pour accomplir des tâches avancées telles que l'automatisation de tâches répétitives et la génération de rapports.

En outre, le cours fournit des compétences préalables prenant en charge une large gamme de produits Microsoft, notamment Windows Server, Windows Client, Microsoft Azure et Microsoft 365. Conformément à cet objectif, ce cours ne se concentre pas sur l'un de ces produits, bien que Windows Server, qui est la plateforme commune à tous ces produits, serve d'exemple pour les techniques enseignées dans ce cours.

Le support de cours et l'environnement des labs est en anglais.

[View online](#)

Price: 140,00 €

Start date: 03.06.2024

Instructor(s): Microsoft Certified Trainer Xavier NIX

Language: French

Difficulty: Intermediate



AUTOMATING ADMINISTRATION WITH WINDOWS POWERSHELL

Ce cours permet aux étudiants d'acquérir les connaissances et les compétences fondamentales pour utiliser PowerShell afin d'administrer et d'automatiser l'administration des serveurs Windows. Ce cours permet aux étudiants d'identifier et de construire la commande dont ils ont besoin pour effectuer une tâche spécifique. En outre, les étudiants apprennent à construire des scripts pour accomplir des tâches avancées telles que l'automatisation de tâches répétitives et la génération de rapports.

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Le support de cours et l'environnement des labs est en anglais.

[View online](#)

Price: 140,00 €

Start date: 09.09.2024

Instructor(s): Microsoft Certified Trainer Xavier NIX

Language: French

Difficulty: Intermediate



AUTOMATING ADMINISTRATION WITH WINDOWS POWERSHELL

Ce cours permet aux étudiants d'acquérir les connaissances et les compétences fondamentales pour utiliser PowerShell afin d'administrer et d'automatiser l'administration des serveurs Windows. Ce cours permet aux étudiants d'identifier et de construire la commande dont ils ont besoin pour effectuer une tâche spécifique. En outre, les étudiants apprennent à construire des scripts pour accomplir des tâches avancées telles que l'automatisation de tâches répétitives et la génération de rapports.

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techniques enseignées dans ce cours.

Le support de cours et l'environnement des labs est en anglais.

[View online](#)

Price: 140,00 €

Start date: 16.12.2024

Instructor(s): Microsoft Certified Trainer Xavier NIX

Language: French

Difficulty: Intermediate



AWS CLOUD PRACTITIONER ESSENTIALS

This module is for individuals who seek an overall understanding of the Amazon Web Services (AWS) Cloud, independent of specific technical roles. You will learn about AWS Cloud concepts, AWS services, security, architecture, pricing, and support to build your AWS Cloud knowledge.

[View online](#)

Price: 28,00 €

Start date: 06.06.2024

Instructor(s): Experienced trainer with multiple certifications and practical experience in AWS environment Charon, Jean-Noël

Language: French

Difficulty: Beginner



AWS CLOUD PRACTITIONER ESSENTIALS

This module is for individuals who seek an overall understanding of the Amazon Web Services (AWS) Cloud, independent of specific technical roles. You will learn about AWS Cloud concepts, AWS services, security, architecture, pricing, and support to build your AWS Cloud knowledge.

[View online](#)

Price: 28,00 €

Start date: 12.09.2024

Instructor(s): Experienced trainer with multiple certifications and practical experience in AWS environment Charon, Jean-Noël

Language: French

Difficulty: Beginner



AWS CLOUD PRACTITIONER ESSENTIALS

This module is for individuals who seek an overall understanding of the Amazon Web Services (AWS) Cloud, independent of specific technical roles. You will learn about AWS Cloud concepts, AWS services, security, architecture, pricing, and support to build your AWS Cloud knowledge.

[View online](#)

Price: 28,00 €

Start date: 28.11.2024

Instructor(s): Experienced trainer with multiple certifications and practical experience in AWS environment Charon, Jean-Noël

Language: French

Difficulty: Beginner



BREITBAND-INTERNETZUGANG IN LUXEMBURG

Dieser Kurs bietet einen Überblick und eine kurze Einführung in das Thema "Breitband-Internetzugang" in Luxemburg.

Welche Produkte und Dienstleistungen gibt es? Welche Anbieter sind aktiv?
Was sind eventuelle technische und/oder reglementarische Probleme?

Dieser Kurs richtet sich an alle, die sich für die Breitbandanschlüsse in Luxemburg interessieren, inbegriffen Immobilienmakler, Kommunalbeamten und Callcenter-Agenten.

[View online](#)

Price: 8,00 €

Start date: 25.03.2024

Instructor(s): Dr. Nico Binsfeld

Language: German

Difficulty: Beginner



DEMYSTIFYING IT CAREER PATHS

The course will cover various IT paths and career opportunities, explaining how the DLH can assist participants eager to pursue an IT career. Participants will gain insights into the roles, responsibilities, and skills required for various IT positions, as well as the latest trends and technologies shaping the industry. This course is ideal for students, career changers, and professionals looking to navigate and succeed in the dynamic world of IT.

[View online](#)

Price: 16,00 €

Start date: 29.03.2024

Instructor(s): Chakib Senhadji

Language: English

Difficulty: Beginner



DEVOPS FUNDAMENTALS

When a company wants to implement a DevOps culture, it is important that all the actors who will be part of the journey understand what the DevOps culture is and what it can bring to their daily lives. This module guarantees that the participants will be aligned with the DevOps culture in terms of vocabulary, basic principles, and concepts.

[View online](#)

Price: 28,00 €

Start date: 24.09.2024

Instructor(s): Davy Detaille

Language: French

Difficulty: Beginner



DEVOPS FUNDAMENTALS

When a company wants to implement a DevOps culture, it is important that all the actors who will be part of the journey understand what the DevOps culture is and what it can bring to their daily lives. This module guarantees that the participants will be aligned with the DevOps culture in terms of vocabulary, basic principles, and concepts.

[View online](#)

Price: 28,00 €

Start date: 10.12.2024

Instructor(s): Davy Detaille

Language: French

Difficulty: Beginner



FIBRES ET RÉSEAUX OPTIQUES (22.04 & 23.04.2024)

Ce cours est une introduction aux fibres et réseaux optiques. Le cours comprend une formation pratique sur le fonctionnement des machines d'épissure et des machines de test OTDR. Enfin, il présente les différents problèmes qui peuvent affecter la performance des réseaux optiques.

[View online](#)

Price: 100,00 €

Start date: 22.04.2024

Instructor(s): Dr. Nico Binsfeld, José Canto

Language: French

Difficulty: Beginner



FIBRES ET RÉSEAUX OPTIQUES (25.04 & 26.04.2024)

Ce cours est une introduction aux fibres et réseaux optiques. Le cours comprend une formation pratique sur le fonctionnement des machines d'épissure et des machines de test OTDR. Enfin, il présente les différents problèmes qui peuvent affecter la performance des réseaux optiques.

[View online](#)

Price: 100,00 €

Start date: 25.04.2024

Instructor(s): Dr. Nico Binsfeld, José Canto

Language: French

Difficulty: Beginner



FINOPS CLOUD PLATFORM COST MANAGEMENT

Cost management is a challenge with cloud platforms, with a new consumption-based model dominated by OPEX, is stark contrast with the on-premises model made mainly of CAPEX, fixed hardware, and licenses costs. After this module, students will acquire a good understanding of the new model, and how it can be managed and optimized in Azure. Azure is taken as an example and the processes can be transplanted to AWS and Google.

[View online](#)

Price: 28,00 €

Start date: 26.09.2024

Instructor(s): Davy Detaille

Language: French

Difficulty: Beginner



FINOPS CLOUD PLATFORM COST MANAGEMENT

Cost management is a challenge with cloud platforms, with a new consumption-based model dominated by OPEX, is stark contrast with the op-premises model made mainly of CAPEX, fixed hardware, and licenses costs. After this module, students will acquire a good understanding of the new model, and how it can be managed and optimized in Azure. Azure is taken as an example and the processes can be transplanted to AWS and Google.

[View online](#)

Price: 28,00 €

Start date: 12.12.2024

Instructor(s): Davy Detaille

Language: French

Difficulty: Beginner



GOOGLE CLOUD FUNDAMENTALS

This module provides an overview of Google Cloud Platform products and services. Through a combination of presentations, demos, and hands-on labs, you will learn the value of Google Cloud Platform and how to incorporate cloud-based solutions into business strategies.

[View online](#)

Price: 28,00 €

Start date: 19.09.2024

Instructor(s): Ismet Bigay

Language: English

Difficulty: Beginner



GOOGLE CLOUD FUNDAMENTALS

This module provides an overview of Google Cloud Platform products and services. Through a combination of presentations, demos, and hands-on labs, you will learn the value of Google Cloud Platform and how to incorporate cloud-based solutions into business strategies.

[View online](#)

Price: 28,00 €

Start date: 05.12.2024

Instructor(s): Ismet Bigay

Language: English

Difficulty: Beginner



INTRODUCTION TO CLOUD COMPUTING

This module is an introductory level course for understanding the cloud technology concepts. No matter what your role is, Cloud computing is rapidly becoming an essential skill for any worker.

Following the increase of digital tools and the growing need of IT professionals requiring cloud computing skills, this module is open to anyone who needs to understand Cloud Computing.

Cloud computing offers many potential advantages in terms of cost reduction, flexibility, scalability and efficiency

This module offers a well-balanced mix of theory, case studies and hands-on work.

[View online](#)

Price: 28,00 €

Start date: 04.06.2024

Instructor(s): Davy Detaille

Language: French

Difficulty: Beginner



INTRODUCTION TO CLOUD COMPUTING

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[View online](#)

Price: 28,00 €

Start date: 10.09.2024

Instructor(s): Davy Detaille

Language: French

Difficulty: Beginner



INTRODUCTION TO CLOUD COMPUTING

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Cloud computing offers many potential advantages in terms of cost reduction, flexibility, scalability and efficiency

This module offers a well-balanced mix of theory, case studies and hands-on work.

[View online](#)

Price: 28,00 €

Start date: 26.11.2024

Instructor(s): Davy Detaille

Language: French

Difficulty: Beginner



INTRODUCTION TO COMPUTER NETWORKS

A general and theoretical introduction to computer networks, according to the ISO/OSI Layer Model, after the famous book by Andres S. Tanenbaum. We will explain how networks work, from the inside out, providing an understanding of the main concepts and topics. Beginning with the physical layer of networking, computer hardware and transmission systems, we will work our way up to network applications.

The course content is organised in five units which will be taught over 5 days. Each course unit uses a consistent approach in which the key principles are first presented, then illustrated utilizing real-world example networks with some practical exercises.

[View online](#)

Price: 120,00 €

Start date: 06.06.2024

Instructor(s): Dr Nico Binsfeld

Language: English

Difficulty: Intermediate



LA CONNECTIVITÉ À HAUT DÉBIT AU LUXEMBOURG

Ce cours présente une vue d'ensemble et une brève introduction à la connectivité à l'internet à haut débit au Luxembourg.

Quels sont les produits et services disponibles ? Quels sont les fournisseurs actifs ? Quels sont les éventuels problèmes techniques et/ou réglementaires?

Cette formation s'adresse à toute personne intéressée par le haut débit au Luxembourg, y compris les agents immobiliers, les fonctionnaires communaux et les agents de centres d'appel.

[View online](#)

Price: 8,00 €

Start date: 25.03.2024

Instructor(s): Dr. Nico Binsfeld

Language: French

Difficulty: Beginner



MICROSOFT 365 ADMINISTRATION ESSENTIALS

Ce cours complet couvre divers aspects de la gestion, de la sécurité et de la conformité de Microsoft 365. Dans la section sur la "tenant management", les participants apprennent à configurer leur Microsoft 365 Tenant, à mettre en place des comptes d'utilisateurs, des licences et des groupes de sécurité. Ils se concentrent ensuite sur la configuration de la connectivité du client Office et la gestion des installations des applications Microsoft 365 par les utilisateurs.

Le cours explore en outre la synchronisation des identités Microsoft 365 à l'aide d'Azure Active Directory Connect et de Connect Cloud Sync, couvrant la planification, la mise en œuvre et la gestion des mots de passe. Dans le segment de la gestion de la sécurité, les apprenants examinent les menaces courantes et la façon dont les solutions de sécurité de Microsoft 365, y compris Exchange Online Protection et Safe Attachments, les traitent. Ils explorent la surveillance de la sécurité par le biais de rapports et obtiennent des informations sur les outils de renseignement sur les menaces tels que Microsoft 365 Defender.

Le cours se termine par un aperçu de la gestion de la conformité de Microsoft 365, couvrant la gouvernance des données, l'archivage, la conservation, la gestion des risques d'initiés, les barrières d'information et la prévention de la perte de données. Les participants apprennent également à mettre en œuvre des fonctions de conformité en utilisant la classification des données et les étiquettes de sensibilité.

Le cours est en français, et le support de cours de l'environnement des labs est en anglais.

[View online](#)

Price: 140,00 €

Start date: 07.10.2024

Instructor(s): Microsoft Certified Trainer Xavier NIX

Language: French

Difficulty: Intermediate



MICROSOFT AZURE ADMINISTRATOR

La formation Azure Administrator permet aux stagiaires de prendre en main la plate forme cloud Azure de Microsoft et de gérer tous les aspects liés aux principales technologies de cet écosystème.

Cette formation enseigne aux professionnels de l'informatique à gérer leurs abonnements Azure, à sécuriser les identités, à administrer l'infrastructure, à configurer la mise en réseau virtuelle, à connecter Azure et sur site, à gérer le trafic du réseau, à mettre en œuvre des solutions de stockage, à créer et mettre à l'échelle des machines virtuelles, à mettre en œuvre des applications Web et des conteneurs, à sauvegarder et partager des données et à surveiller votre solution.

Le support de cours et l'environnement des labs est en anglais.

[View online](#)

Price: 112,00 €

Start date: 02.04.2024

Instructor(s): Microsoft Certified Trainer Xavier NIX

Language: French

Difficulty: Intermediate



MICROSOFT AZURE ADMINISTRATOR

La formation Azure Administrator permet aux stagiaires de prendre en main la plate forme cloud Azure de Microsoft et de gérer tous les aspects liés aux principales technologies de cet écosystème.

Cette formation enseigne aux professionnels de l'informatique à gérer leurs abonnements Azure, à sécuriser les identités, à administrer l'infrastructure, à configurer la mise en réseau virtuelle, à connecter Azure et sur site, à gérer le trafic du réseau, à mettre en œuvre des solutions de stockage, à créer et mettre à l'échelle des machines virtuelles, à mettre en œuvre des applications Web et des conteneurs, à sauvegarder et partager des données et à surveiller votre solution.

Le support de cours et l'environnement des labs est en anglais.

[View online](#)

Price: 112,00 €

Start date: 02.09.2024

Instructor(s): Microsoft Certified Trainer Xavier NIX

Language: French

Difficulty: Intermediate



MICROSOFT AZURE ADMINISTRATOR

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Le support de cours et l'environnement des labs est en anglais.

[View online](#)

Price: 112,00 €

Start date: 03.12.2024

Instructor(s): Microsoft Certified Trainer Xavier NIX

Language: French

Difficulty: Intermediate



MICROSOFT AZURE FUNDAMENTALS

This module is suitable for IT personnel who are just beginning to work with Azure. This audience wants to learn about our offerings and get hands-on experience with the product. This module primarily uses the Azure portal and command line interface to create resources and does not require scripting skills. Students in this course will gain confidence to take other role-based courses and certifications, such as Azure Administrator. This module combines lecture, demonstrations, and hands-on labs.

[View online](#)

Price: 28,00 €

Start date: 17.09.2024

Instructor(s): Davy Detaille

Language: French

Difficulty: Beginner



MICROSOFT AZURE FUNDAMENTALS

This module is suitable for IT personnel who are just beginning to work with Azure. This audience wants to learn about our offerings and get hands-on experience with the product. This module primarily uses the Azure portal and command line interface to create resources and does not require scripting skills. Students in this course will gain confidence to take other role-based courses and certifications, such as Azure Administrator. This module combines lecture, demonstrations, and hands-on labs.

[View online](#)

Price: 28,00 €

Start date: 03.12.2024

Instructor(s): Davy Detaille

Language: French

Difficulty: Beginner



MICROSOFT SECURITY, COMPLIANCE, AND IDENTITY FUNDAMENTALS

Ce cours fournit des connaissances de base sur les concepts de sécurité, de conformité et d'identité, ainsi que sur les solutions Microsoft basées sur le cloud qui s'y rapportent.

Le support de cours et l'environnement des labs est en anglais.

[View online](#)

Price: 28,00 €

Start date: 10.05.2024

Instructor(s): Microsoft Certified Trainer Xavier NIX

Language: French

Difficulty: Beginner



MICROSOFT SECURITY, COMPLIANCE, AND IDENTITY FUNDAMENTALS

Ce cours fournit des connaissances de base sur les concepts de sécurité, de conformité et d'identité, ainsi que sur les solutions Microsoft basées sur le cloud qui s'y rapportent.

Le support de cours et l'environnement des labs est en anglais.

[View online](#)

Price: 28,00 €

Start date: 06.09.2024

Instructor(s): Microsoft Certified Trainer Xavier NIX

Language: French

Difficulty: Beginner



MICROSOFT SECURITY, COMPLIANCE, AND IDENTITY FUNDAMENTALS

Ce cours fournit des connaissances de base sur les concepts de sécurité, de conformité et d'identité, ainsi que sur les solutions Microsoft basées sur le cloud qui s'y rapportent.

Le support de cours et l'environnement des labs est en anglais.

[View online](#)

Price: 28,00 €

Start date: 09.12.2024

Instructor(s): Microsoft Certified Trainer Xavier NIX

Language: French

Difficulty: Beginner



SEO FOR WEB DEVELOPERS & FRONT-END DEVELOPERS

This training covers the essentials of SEO for web development practitioners and is aimed at raising awareness among developers about how they can better support content editors, web marketers (and all the job positions involved in the SEO process) by integrating the tools best suited to their tasks, including AI, which is playing a major role in SEO today.

[View online](#)

Price: 48,00 €

Start date: 14.05.2024

Instructor(s): Ludovic GIAMBIASI

Language: English

Difficulty: Beginner



TCP/IP DEEP DIVE FOR PRACTITIONERS WITH WIRESHARK

This course will provide you with an explanation of important internet and TCP/IP protocols by going through practical exercises using Wireshark for each protocol. The course will also explain Wireshark GUI and its functionality for packet analysis.

[View online](#)

Price: 48,00 €

Start date: 04.04.2024

Instructor(s): Dr. Hommes, Stefan

Language: English

Difficulty: Intermediate



YOUR JOURNEY TO THE CLOUD

The training program "Your Journey to the Cloud" is based in 6 modules. This program is a golden opportunity for those who are willing to build or reinforce their skills in Cloud Computing and to boost their Cloud career.

It consists of the following modules:

[View online](#)

Price: 168,00 €

Start date: 04.06.2024

Instructor(s): Davy Detaille, Jean-Noël Charon, Ismet Bigay

Language: English

Difficulty: Beginner



YOUR JOURNEY TO THE CLOUD

The training program "Your Journey to the Cloud" is based in 6 modules. This program is a golden opportunity for those who are willing to build or reinforce their skills in Cloud Computing and to boost their Cloud career.

It consists of the following modules:

[View online](#)

Price: 168,00 €

Start date: 10.09.2024

Instructor(s): Davy Detaille, Jean-Noël Charon, Ismet Bigay

Language: English

Difficulty: Beginner



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It consists of the following modules:

[View online](#)

Price: 168,00 €

Start date: 26.11.2024

Instructor(s): Davy Detaille, Jean-Noël Charon, Ismet Bigay

Language: English

Difficulty: Beginner

