

Upskilling

FLEXIBILITY AND INTEGRATION

# ONLINE CERTIFICATE

# PROGRAMMES

Offer short-courses which are set up to “**stack**” towards a **degree** completion with focus on high-demanded job skills such as cyber security, artificial intelligence, data science & management courses.



Study start  
**anytime**



Duration  
**50–150h per course**



Admission requirements  
**none**



Study model  
**online**



Duration per course  
**1–2 months**



Successful completion  
**certificate & 5 ECTS-equiv.**

- **EASY ENTRY POINT** with more than 100 certificate courses that “stack up” to more than 30 degrees
- **MODULAR & SCALABLE** portfolio with low-threshold entry conditions to learn initial skills
- **INDIVIDUALIZED LEARNING APPROACH** with a broad selection of learning fields

**>100  
courses**

## ONLINE CERTIFICATE

5 ECTS equiv.  
~ 50–150h  
~1–2 months

## ONLINE DIPLOMA

4 online certificates

20 ECTS equiv.  
~ 300h–600h  
~4–8 months

## ONLINE DEGREE

Bachelor, Master, MBA  
Depending on study  
programme

90–180 ECTS  
18–36 × 150h  
~24–48 months

# BACHELOR LEVEL

## IT & Tech

Applied Data Scientist\*

Advanced Data Analysis

Algorithms, Data Structures, and Programming Languages

Big Data Developer\*

Artificial Intelligence

Business Analyst\*

Business Intelligence Data Analyst\*

Business Intelligence Developer\*

Business 101

Business Intelligence

Computer Architecture and Operating Systems

Computer Networks and Distributed Systems

Corporate Finance and Investment

Data Quality and Data Wrangling

Data Science Software Engineering

Data structure and Java class library

Data Science Developer\*

Data Science Software Engineer\*

Database Modeling and Database Systems

Data Visualization Developer\*

Digital Business Models

Electrical Engineering

Fundamentals of IT and ERP systems

Introduction to Computer Science

Introduction to Data Protection and Cyber Security

Introduction to Data Science

Introduction to Network Forensics

Introduction to Process Management

Introduction to Programming with Python

Introduction to Robotics

Introduction to the Internet of Things

Machine Learning – Supervised Learning

Machine Learning – Unsupervised Learning and Feature Engineering

Management Accounting

Mechanics – Statics

Object-oriented Programming with Java

Operating Systems, Computer Networks, and Distributed Systems

Requirements Engineering

Salesforce Platform App Builder

Salesforce Platform Developer

Scientific and technical fundamentals

Sensor Technology

Math Fundamentals\*

Mathematical Developer\*

Signals and Systems

Smart Factory

Software Engineering Principles

Supply Chain Management Deepening

Technical Drawing

Theoretical Computer Science and Mathematical Logic

Time Series Analysis

Web Application Development

Python and SQL Programmer\*

Software Algorithm Developer\*

Data Analyst – Python\*

## Hospitality, Tourism & Event

Principles of Hospitality Management

Food and Beverage Management

## Human Resources

International HR Management



## Marketing & Communications

Applied Sales Deepening

Applied Sales Introduction

Digital Future Commerce

International Brand Management

International Marketing

Corporate Start-Up Developer\*

General Manager\*

Academic Integrity and Writing for Business

Business Mathematics

Change Management

Collaborative Work

Entrepreneurship and Innovation

Financial Services Management Deepening

Financial Services Management Introduction

Global Corporations and Globalization

Intercultural and Ethical Decision-Making

International Contract Management

Start-Up Business Developer\*

Introduction to User Research

Managerial Economics

Mathematics Deepening

Mathematics Introduction

Mathematics: Analysis

Mathematics: Linear Algebra

Negotiation Deepening

Negotiation Introduction

Organizational Behavior

Principles of Management

Specification

Startup Financing

Statistics – Inferential Statistics

Statistics – Probability and Descriptive Statistics

Supply Chain Management Introduction

# MASTER LEVEL

## IT & Tech

Advanced Mathematics

Advanced NLP and Computer Vision

Advanced Statistics

AI Business Consultant\*

AI Consultant\*

AI Engineer\*

AI Project Manager\*

Algorithmics

Analytical Software and Frameworks

Application Data Engineering Analyst\*

Application Scenarios and Case Studies

Architectures of Self-Driving Vehicles

Artificial Intelligence

Autonomous Driving Developer\*

Big Data Technologies

Blockchain

Business Intelligence

Business Intelligence Manager\*

Case Study: Localization, Motion Planning and Sensor Fusion

Corporate Governance of IT, Compliance, and Law

Cyber Risk Assessment and Management

Cyber Security and Data Protection

Cyber Systems and Network Forensics

Data Engineering

Data Science

Data Science Analyst\*

Data Utilization

Deep Learning

Industrial and Mobile Robots

Industrial Automation

Industrial Engineering Consultant\*

Inference and Causality

Internet of Things

IT Architecture Management

IT Governance and Compliance

IT Project Management

IT Service Management

IT Strategy

IT Systems: Hardware

IT Systems: Software

Machine Learning

Machine Learning and Deep Learning Developer\*

Management of IT Services and Architecture

Manufacturing Methods Industry 4.0

Networks and Distributed Systems

NLP and Computer Vision

Performance Development Leader\*

Programming with Python

Quantum Computing

Reinforcement Learning

Secure Networking

Security Software Analyst\*

Software Engineering for Data Intensive Sciences

Software Engineering: Software Processes

Software Process Engineer\*

Statistical Analyst\*

Tools in Organizational Analysis

Use Case and Evaluation

User Interface and Experience

## Marketing & Communications

Advanced Marketing Controlling

Applied Marketing Research

Communication and Public Relations Deepening

Communication and Public Relations Introduction

E-Commerce Deepening

E-Commerce Introduction

Global Brand Management

International Consumer Behavior

International Marketing

Online and Social Media Marketing

Sales and Pricing

Sales Management Deepening

Sales Management Introduction

Advanced Management Accounting & Control

Advanced Research Methods

Applied Statistics

Artificial Intelligence Manager\*

Business Ethics and Corporate Governance

Change Management

Corporate Finance

Corporate Leader\*

Current Issues in Accounting

Digital Analytics and Strategies

Digital Business Models

Innovation and Entrepreneurship

Intercultural Management

International Marketing Manager\*

Leadership

Managerial Economics

Managing Across Borders

Managing in a Global Economy

Negotiation

Operations and Information Management

Performance Management

Product Development

Product Development Engineer\*

Strategic Management

Strategy Manager\*

