

Microsoft Skills For Jobs

Microdegree Program



LEARNER-CENTRIC | WORLD-CLASS | FUTURE-READY | GLOBAL EMPLOYABILITY | PATHWAY TO HIGHER EDUCATION

A joint program by Microsoft and KAMK University
with European Higher Education Transfer Credits (ECTS)



CLOUD AND CYBERSECURITY

SELF-PACED | 7 CERTIFICATES | ONLINE | IN-CLASS MENTORSHIP | ASSIGNMENTS AND EXAM BASED

IN PARTNERSHIP WITH GLOBAL MENTOR COMPANIES

CLOUD AND CYBERSECURITY MICRODEGREE PROGRAM BROUGHT TO YOU BY





What is it?

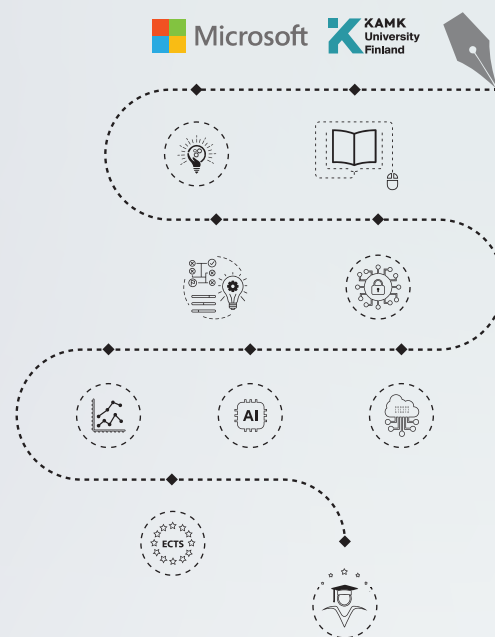
The Microsoft Skills for Jobs Microdegree Program is designed to help you build **real-world tech skills** that employers want and a pathway for higher studies in EU countries.

Microdegree Programs focuses on **in-demand technology** areas like cybersecurity, cloud computing, Low code tool set, AI, data analytics, and more. The program is built around **practical, job-relevant skills and uses a flexible, self-paced learning** model that fits your schedule.

Whether you are a student, recent graduate, freelancer, technology professional, career changer, or an individual seeking skills for employment without pursuing a full degree or diploma, this program is tailored for you.

You will learn through high-quality courses jointly developed by **Microsoft, KAMK University of Applied Sciences (Finland), and global tech companies.**

The courses follow the **European Credit Transfer and Accumulation System (ECTS)**, meaning your credits and certificates are internationally recognized for quality international and local jobs and higher studies in EU countries. The Microsoft Skills for Job Microdegree Program is an online program designed for self-paced learning, with in-class mentorship (region-specific) to support your journey.



You will receive:

- ECTS credits for each course
- Digital badges
- Course Certificates from Microsoft and KAMK University
- Professional Certificate from Microsoft and KAMK University



Concepts &
Technologies



ECTS
Credits



Course
Certificates



LinkedIn
Badge



Online
Verification



International
Jobs



Local
Jobs



Study
Abroad



Microdegree Program Goals



Validate your skills and knowledge for the global job market



Gain a competitive edge in today's evolving employment landscape



Upskill or reskill to support career growth and advancement



Bridge the gap between academic learning and real-world industry demands



Create a pathway to higher education opportunities in EU countries



Promote lifelong learning through flexible, targeted, and accessible education

The Microdegree Program is Designed For



University students seeking hands-on, career-relevant qualifications



Job seekers aiming to stand out in a competitive recruitment process



Career changers acquiring new digital skills to enter the IT industry



Freelancers looking to expand services and increase earning potential



Working professionals focused on efficient upskilling or reskilling



Organizations investing in certified microlearning for employee development



Students planning for higher education in European & North American Universities



Cloud and Cybersecurity Microdegree Program

Cloud and Cybersecurity involves safeguarding computer systems, networks, and data from unauthorized access, damage, or disruption. In this Program, you'll explore how threats emerge in both on-premises and cloud environments and learn strategies, such as zero-trust architectures and ethical frameworks, to protect digital assets.



Cloud and Cybersecurity Microdegree Program consists of six courses, brought to you by Microsoft, KAMK University, and global mentor companies. After completing the program, you'll have foundational concepts and advanced techniques knowledge on cloud services and cybersecurity, as well as **Microsoft Azure**, the leading cloud platform that drives growth and facilitates efficient, secure workflows in numerous companies worldwide.

Earn Globally Accepted Industry & Academia Recognized Credentials

- 6 Course Certificates issued by Microsoft and KAMK University
- Domain Professional Certificate issued by Microsoft and KAMK University
- Course skills qualification badges
- 12 ECTS credits transcript from KAMK University
- LinkedIn badge
- QR-verifiable Certificates for global authentication

Job Roles For Graduates

These positions reflect industry demand for professionals who can bridge cloud operations with robust cybersecurity strategies.

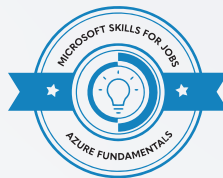
Azure Administrator & Security Engineer.	Managing and securing cloud infrastructures
Cloud & Cybersecurity Specialist or Engineer.	Implement security controls and best practices
Penetration Tester & Ethical Hacker.	Testing systems for vulnerabilities
Digital Forensics & Incident Response Analyst.	Investigating and responding to incidents
Security Analyst & Security Architect.	Designing and overseeing secure architecture
Compliance & Risk Management Consultant.	Ensuring regulatory adherence
Identity & Access Management Specialist.	Managing authentication and authorization

Study Program

Certificate	Course	Online Self-Study	Mentorship	Online Assessments	ECTS Credits	Course Certificate
01	Elements of Cloud & CyberSecurity	54 Hours	04 Hours	Yes	02 Credits	Completion Certificate
02	Azure Fundamentals	54 Hours	04 Hours	Yes	02 Credits	Completion Certificate
03	CyberSecurity Fundamentals	54 Hours	04 Hours	Yes	02 Credits	Completion Certificate
04	Azure Administrator	81 Hours	04 Hours	Yes	03 Credits	Completion Certificate
05	Azure Security Technologies	27 Hours	04 Hours	Yes	01 Credit	Completion Certificate
06	CyberSecurity Architect	54 Hours	04 Hours	Yes	02 Credits	Completion Certificate
324 Hours					12 Credits	

*Region-Specific

Students earn the Cloud and CyberSecurity 'Professional Certificate and Shareable Badge' after completing all 6 courses



6 Course Certificates



Professional Certificate



Microsoft Skills For Jobs

Cloud and Cybersecurity Microdegree Program 'Syllabus'



COURSE 1

Elements of Cloud & Cybersecurity

UNIT 01

INTRODUCTION TO CLOUD AND CYBERSECURITY

1. Basics of Cybersecurity
2. Terminology
3. Threat Landscape
4. Malware
5. Mitigation Strategies

UNIT 02

CRYPTOGRAPHY AND ENCRYPTION

1. Basics of Cryptography
2. Terminology
3. Use Cases of Encryption
4. Hashing & Digital Signing
5. Digital Certificates

UNIT 03

NETWORK AND DEVICE THREATS

1. Basics of Networks & Devices
2. Terminology
3. Network & Device Threats
4. Mitigating Network & Device Threats

UNIT 04

AUTHENTICATION AND AUTHORIZATION

1. Basics of Authentication
2. Terminology
3. Authentication-Based Threats
4. Authorization & Security

UNIT 05

INTRODUCTION TO CLOUD SERVICES

1. Basics of Cloud Computing
2. Cloud Terminology
3. Consumption-Based Computing
4. Benefits of Cloud Computing

UNIT 06

CYBERSECURITY AND CLOUD

1. Basics of Cloud Security
2. Terminology
3. Zero Trust
4. Ethics
5. Summary



COURSE 2

Azure Fundamentals

UNIT 01

INTRODUCTION TO AZURE

1. Basics of Azure
2. Physical Infrastructure
3. Management Infrastructure
4. Computing Service
5. Virtual Networking

UNIT 02

DATA, STORAGE AND SAFETY

1. Azure Storage
2. Storage Services
3. Data Migration
4. Authentication & Authorization
5. Conditional Access

UNIT 03

GOVERNANCE AND COST MANAGEMENT

1. Project Management in Azure
2. Managing with Azure Arc
3. Governance & Compliance
4. Cost Management
5. Summary



COURSE 3

CyberSecurity Fundamentals

UNIT 01

INTRODUCTION TO AZURE SECURITY

1. Security & Compliance Concepts
2. Identity Concepts
3. Cybersecurity in Azure
4. Security Management in Azure
5. Microsoft Sentinel and 365 Defender

UNIT 02

AZURE ACTIVE DIRECTORY SERVICES

1. Basics of Azure AD
2. Identities in Azure AD
3. Authentication in Azure AD
4. Access Management in Azure AD
5. Identity Protection in Azure AD

UNIT 03

MICROSOFT COMPLIANCE SOLUTIONS

1. Introduction to Compliance
2. Microsoft Purview
3. Insider Risk Management
4. Resource Governance
5. Summary



COURSE 4 Azure Administrator

UNIT 01

BASIC AZURE SERVICES

1. Azure Resources
2. Azure Resource Manager
3. Automating Azure Tasks
4. Controlling Azure Services
5. Identities & Role Management

UNIT 04

VIRTUAL NETWORKING

1. Setting Up Virtual Networks
2. Azure Firewall & DNS
3. Azure VPN Gateways
4. Routing and Load-balancing
5. Azure Application Gateways

UNIT 02

STORAGE IN AZURE

1. Storage Accounts & File Explorer
2. Blob Storage
3. Azure Files & Synchronization
4. Storage Explorer and Tools
5. Shared Access Signatures

UNIT 05

MONITORING AND MAINTENANCE

1. Azure Monitor
2. Azure Network Watcher
3. Azure Monitor Logs
4. Azure Backups
5. Summary

UNIT 03

COMPUTING RESOURCES

1. Virtual Machines
2. Virtual Machine Availability
3. Application Development
4. Azure Kubernetes Service
5. Automation State Configuration



COURSE 5 Azure Security Technologies

UNIT 01

IDENTITY AND ACCESS

1. Securing User Identities
2. Azure and Passwords
3. Azure AD Identity Protection
4. Privileged Identity Management
5. Governance Strategies

UNIT 02

PLATFORM SECURITY

1. Perimeter Security
2. Network Security
3. Host Security
4. Update Management & Disk Encryption
5. Container Security

UNIT 03

APPLICATION AND DATA SECURITY

1. Introduction to Azure Key Vault
2. Azure Key Vault Features
3. Application Security
4. Data Security
5. Summary



COURSE 6 Cybersecurity Architect

UNIT 01

SECURITY STRATEGIES AND RESILIENCE

1. Security Strategy & Architecture
2. Building Resiliency
3. Building a Strategy
4. Developing Security Options
5. Identity Security Strategies

UNIT 04

APPLICATION AND DATA SECURITY

1. Threat Modeling & Application Identification
2. Application Classification and Security
3. Application Development and Security
4. Threat Modeling and Data Identification
5. Mitigating Data Threats

UNIT 02

COMPLIANCE AND RISK MANAGEMENT

1. Regulatory Compliance Strategies
2. Azure Policy
3. Risk Management
4. Mitigating Risks in Azure
5. Cyber Threat Intelligence

UNIT 05

EFFICIENT SECURITY PRACTICES

1. Best Practices and Antipatterns
2. Assessing Security Performance
3. Cloud Adoption Framework
4. Mitigating Ransomware Attacks
5. Summary

UNIT 03

INFRASTRUCTURE SECURITY

1. Implementing Security Strategies
2. Best Practices for Strategy Building
3. Security Baselines
4. Securing PaaS, IaaS, and SaaS
5. Securing Workloads

Eligibility

Eligibility Criteria	Details
English Language	A good command of the English language is required, as all course content, assignments, and communication are conducted in English.
Prior Knowledge	Not required. Anyone can enroll.
Recommended Background	Basic IT awareness is helpful but not mandatory.
Learning Format	Online with mentorship classes, self-paced and browser based (no downloads).
Assessment Method	Pass or fail assignments.
Hardware with Internet Access	Laptop, Tablet or Smartphone.
Study Program Duration	The Edukamu Learning Management System (LMS) remains accessible for 12 months to complete the Microdegree Study Program. On average, students finish their chosen Microdegree within 3–5 months, depending on the specific program selected.

For more information about the admission process, please contact:

Authorized Microdegree Program Partner



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