Learning and Skilling for Students in Higher Education

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THE ROAD AHEAD

RESPOND

RECOVER

REIMAGINE
OPPORTUNITIES FOR HIGHER EDUCATION

Imperatives

Data Analytics Driving Decision Making

Digital Delivery of Curriculum (Hybrid or fully Online)

Digital Courseware, Virtual Land, Simulations

Remote Learning Capabilities

Increased Demand or Skills

New Partnership Models with Industry & Government
CAMPUS EXPERIENCE

- Demand for a more digital experience
- Demand for self-service education tools
- Demand for more and better remote support
- Demand for blended learning over traditional lecture
- Demand for personalization for student success
- Better access to resources via mobile and social
REMOTE LEARNING

Demand for more holistic experience
Demand for self-service education tools
Demand for greater student/career support
Demand for online community building
Demand for physical contact and support
Demand for equity of access to education services
REMOTE EVERYTHING CAMPUS CONTINUITY
THE ENGINES OF OUR FUTURE

ARTIFICIAL INTELLIGENCE
MIXED REALITY
INTERNET OF THINGS
BLOCKCHAIN
QUANTUM COMPUTING
The Microsoft Education Transformation Framework provides practical advice to develop a strategy for digital transformation.
Attract students, drive student outcomes, and connect with students in lifelong relationships

Build a culture that empowers academics to do their best work

Empower all researchers with the compute power they need when they need it

Rethink how to configure, optimize and manage your campus resources

The Microsoft Education Transformation Framework provides practical advice to develop a strategy for digital transformation.
TRANSFORMATION IS ABOUT PEOPLE
We want to ensure everyone has the **skills**, **knowledge**, and **opportunity** to succeed in the digital economy.
COVID-19 has dramatically increased the need for this work.
We must do more, faster.
Workplace Trends
A shifting landscape

Scarcity of talent
Fluid and flexible talent strategies
Diversity + Inclusion is essential
Value of tech component of products increasing
AI and automated work will continue to rise
The Shifting Demand for Skills in 2030

- Physical and Manual Skills: -14%
- Basic Cognitive Skills: -11%
- Higher Cognitive Skills: 9%
- Social and Emotional Skills: 26%
- Technological Skills: 60%

Source: McKinsey Global Institute Workforce Skills Model
149M NEW TECHNOLOGY JOBS BY 2025

- **2020**: 2M
- **2021**: 35M
- **2022**: 70M
- **2023**: 80M
- **2024**: 120M
- **2025**: 149M

**Source**: Microsoft Data Science utilizing LinkedIn data
The problem we need to solve

A global economic crisis
A different “hybrid economy”
A new skilling challenge
Need for new partnerships
Technical skills are more important than ever

By 2022, there will be 6.2 million job openings in cloud-based technology*

Employers are struggling to find employees with the right technical skills to meet their organizational objectives

Today’s students want more than a diploma – they want real-world skills that make them employable

Departments and faculty want the right resources to deliver innovative technical courses in order to meet their students’ needs

COVID-19 has exponentially accelerated the need for companies and institutions to digitally transform and prepare for a new normal

*US Bureau of Labor Statistics
BUILDING A LEARNING CULTURE

- Introducing students to computational thinking, computer science and STEM at younger ages
- Readying students with industry-relevant, role-based skills to fuel the workforce and address the talent gap
- Evolving curriculum to better attract/retain students and reskill institutional staff
FUTURE-READY SKILLS

Primary Education
- Digital Literacy
  - Modern Skills – Communication, Collaboration, Creativity, Critical Thinking, Computational Thinking, Character, Social and Emotional

Secondary Education
- Productivity
  - Block-based visual programming

TVET Education
- Text-based programming
  - Computer Science Fundamentals
  - Technology ethics and data concepts
  - Programming and design thinking
  - Cloud

Higher Education
- Role-Based Skills
SUPPORTING THE STUDENT SKILLS JOURNEY

Primary Education
Spark curiosity with STEM, computer science and give purpose to learning

Secondary Education
Develop productivity skills and grow knowledge and competence in emerging technology concepts

Higher Education
Improve employability with technical skilling, hands-on experiences, certification and path to jobs
Help students of all ages learn about technologies and prepare for role-based certification

Step-by-step, bite-sized tutorials and engaging modules

Learning paths with interactive labs, sample code, and free test drive products

Secondary Schools to Higher Education learners

https://aka.ms/learn4students
Welcome back, Alexa Joyce

Master core concepts at your speed and on your schedule. Whether you've got 15 minutes or an hour, you can develop practical skills through interactive modules and paths.

Browse all paths

We think you might like these

- Data warehouse security
- Implement a Data Warehouse with Azure SQL Data Warehouse
FREE MICROSOFT OFFICIAL CURRICULUM FOR FACULTY
What is Career Coach?

Career Coach is a Microsoft Teams app powered by LinkedIn that provides personalized guidance for higher education students to navigate their career journey.

<table>
<thead>
<tr>
<th>Student Value</th>
<th>Institutional Value</th>
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<tbody>
<tr>
<td>Help students discover their career path with personalized guidance</td>
<td>Improve student success to drive employment outcomes</td>
</tr>
<tr>
<td>Support students to grow real-world skills they need to increase their employability</td>
<td>Gain powerful insights to enhance student experience</td>
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<tr>
<td>Empower students to connect and build their professional networks</td>
<td>Customize with your unique institution offerings</td>
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Bring the combined power of Career Coach and LinkedIn to your institution to encourage better student outcomes.
CALLS TO ACTION: WHAT YOU CAN DO

• Encourage your students to improve their tech skills using Microsoft Learn: https://docs.microsoft.com/en-us/learn/roles/student

• Register for the webinar series: https://microsoftedu.eventbuilder.com/EducationSkillsWebinarSeries
Thank you