Employability Programme

ORIENTATION

AI and Big Data tools for better informed decisions

TRAINING

Digital skills courses and training itineraries that match different digital profiles

Digital Professions

- Digital Empowerment
- Digital Literacy
Conecta Empleo - Training contents

Digital Skills

Productive sectors 4.0

Nanogrado
Construcción 4.0
4ª edición

Nanogrado
Transporte 4.0

Nanogrado
Agroalimentario
Sistema digital 4.0
Conecta Empleo – usage and user profile

Users and level of usage

- 2021: 378,429 Courses, 229,937 Unique Users
- 2022: 527,781 Courses, 265,444 Unique Users

Users by age group (2021)

- Courses:
  - >65: 2.99%
  - 65-18: 12.59%
  - 18-24: 18.26%
  - 24-35: 16.04%
  - 35-45: 9.41%
  - 45-56: 9.08%
  - 56-65: 4.53%

Users by gender (2021)

- Hombre: 59 (0.03%)
- Mujer: 59 (0.03%)
- (Blank): 329,973 (46.63%)

Users’ country of origin (2021)

- Perú: 558,449
- México: 403,732
- Chile: 323,942
- Argentina: 309,789
- Colombia: 275,558
- España: 183,622
- Ecuador: 130,112
- Uruguay: 10,112
- Venezuela: 51
- Bolivia: 1
Partnership with UNESCO - Global Skills Academy
Technical skills are more important than ever

Today (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
Microsoft skills are in demand

<table>
<thead>
<tr>
<th>Skills / Certifications</th>
<th>Amazon</th>
<th>Apple</th>
<th>Cisco</th>
<th>Google</th>
<th>HTML</th>
<th>Java</th>
<th>Python</th>
</tr>
</thead>
<tbody>
<tr>
<td>US open jobs requiring / preferring these skills / certifications</td>
<td>49,309</td>
<td>6,315</td>
<td>16,511</td>
<td>71,550</td>
<td>39,126</td>
<td>41,123</td>
<td>79,262</td>
</tr>
</tbody>
</table>

...and of those jobs

43,347 jobs require Microsoft Azure skills, and 22% of these have salaries of $105K or greater

Source: indeed.com, April 2022

Source: indeed.com, May 2022
Build Skills with Official Microsoft Curricul
Empower students with real-world skills and prepare them for today’s job roles

Microsoft provides:
- Widespread availability of official Microsoft learning content for broad range of learning paths and role-based training
- Relevant for universities, community colleges, polytechnics, vocational, and secondary schools
- Flexible learning platforms and curriculum to fit classroom, hybrid, and remote learning environments
- Downloadable, instructor-led and self-paced content for diverse learning styles

Microsoft Education learning solutions:
- Microsoft Imagine Academy
- Microsoft Learn
- Microsoft Learn for Educators
- Microsoft Certifications
- Microsoft Student Hub
- ...and more
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
Career Coach
A Microsoft Teams app powered by LinkedIn

Student Value
Help students discover their career path with personalized guidance
Support students to grow real-world skills they need to increase their employability
Empower students to connect and build their professional networks

Institutional Value
Improve student success to drive employment outcomes
Gain powerful insights to enhance student experience
Customize with your unique institution offerings

Career Coach - Microsoft Education
K-12 Skills Programs and Partnerships

Imagine Cup Junior, Esports, Global Game Jam, Global Build Challenge are some of the programs led & supported by Microsoft to engage educators and students worldwide with meaningful learning experiences to develop technical and life-ready skills that accompany them throughout their education and career journeys.

**Esports** advances the opportunities for STEM and Social-Emotional learning by building experiences for organized, team-based, competitive play, where students and educators strengthen skills in collaboration, communication and creative problem-solving.

**Imagine Cup Junior** provides students aged 13 to 18 the opportunity to learn about technology, the details of Artificial Intelligence and how it can be used to positively change the world.

**UNESCO Global Build Challenge** connects students across the planet to build solutions to real-life problems addressing UN Sustainable Development Goals and Diversity & Inclusion + World Heritage in Minecraft: Education Edition.

**Partnering with the US State Department** to host a Global Game Jam that invites educators and students to learn coding skills through game design with MakeCode Arcade focused on the policy area surrounding sustainability.
Deeply partnering in K-12 Skills with MOEs, DOEs

Our holistic coverage of skills from K-Career and our ecosystem of partners allows us to work across K12 and HED with Ministries of Education globally to build custom solutions to achieve their complex goals.

**Philippines DepEd**: Reaching educators and students nationwide moving to O365; Minecraft:EE, Imagine Cup Junior, DigiGirlz as part of curriculum alignment plans and systemic rollout. Goal to drive certification for 1M DepEd graduating students annually.


**Puerto Rico DOE**: Significant collaboration to bring to life all MS skills assets, with deep M:EE training, MSIA deployment and certs across K-12.

**Saudi Arabia MOE**: Partnership on rethinking CS Curriculum, rollout of Minecraft: Education Edition to 6M students.

**Washington OSPI**: State-wide agreement for middle and high school access to Microsoft official curriculum for productivity and tech skills, industry recognized Certifications exams for students and Coding in Minecraft lessons and credentials to address STEM priority, college and career readiness.
Canada Skills Coast to Coast

Key Performance Indicators
- 350+ educators trained in more than 650 certifications earned
- 30 post-secondary institutions participating
- Over 30,000 students trained in three years (2020, 2021, 2022)
- 6 industry partners co-funding certification training and work-force readiness
- Over 20,000 total certification exams in academic year 2021-22 – a 300% increase since the Canada Skills program began in 2019 and a 16% increase over FY21
- Key growth in skills courses and certifications completed for Cloud, Data, AI, Power BI, Cyber
- Students leverage and highlight Skills attainment and Certs on LinkedIn profiles

Vision
Creating opportunities for all Canadians to thrive with the digital, technical skills needed for the world of work and as citizens

Who?
Leading Higher Education partnership driving skills, industry recognized certifications nationwide to address workforce talent gap (invited mix of universities, colleges, polytechnics - started with 12 core Canada schools committing to train faculty, leverage no-cost learning paths, certify students). Now 30 Higher Edu institutions committed and participating in collaboration with Microsoft and industry partners.

Creating a scalable frame-work
- Binding one-year agreement by invitation
- Skin-in-the game collaboration with a minimum # of students certified and in return Microsoft committed support and training for a specific number of faculty depending on # of students committed. Keys included:
  - Training educators to train and skill-up their students
  - Scaling volume-licensed, discounted certifications for students through local partners
  - Offering industry-connected learning, skills pathways leading to in-demand job roles
  - Engaging industry partners for workforce readiness, addressing skills gap

Key Performance Indicators
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Microsoft Learn

Interactive step-by-step tutorials
Hands-on learning & coding environments
Knowledge checks to validate learning & earn achievements

- Apps & Infrastructure
- Data & AI
- Modern Workplace
- Business Applications

aka.ms/learn
Microsoft Certification Portfolio in Education

The portfolio includes:
- MCP – Microsoft Role-Based Certifications
- MCF – Microsoft Certified Fundamentals
- MOS – Microsoft Office Specialist
- MCE – Microsoft Certified Educator

Technical skills required to fulfill a job

Entry-level IT & foundational technology skills

College-ready & employability skills

Microsoft Certification Portfolio in Education

MICROSOFT CERTIFIED EDUCATOR (MCE)
DIGITAL LITERACY CERTIFICATE (DLC)
Microsoft Learn for Educators

Supporting tech skills education across the globe

Provides educators with best-in-class technical curriculum

Prepares students for the workforce and successful careers

Educator materials include datasheets, teaching guides, trainer handbook & presentation guide

Supported or self-serve access to fit the needs of the institution

aka.ms/msle
Below we are offering these Fundamentals and Advanced Role-based courses and certifications – With more to come!

**Microsoft Fundamentals Certifications**
- Azure Fundamentals (AZ-900)
- Azure AI Fundamentals (AI-900)
- Azure Data Fundamentals (DP-900)
- Power Platform Fundamentals (PL-900)
- Security, Compliance, and Identity Fundamentals (SC-900)
- Dynamics 365 Fundamentals Customer Engagement Apps, CRM (MB-910)
- Dynamics 365 Finance and Operations Trainer, ERP (MB-920)
- Microsoft 365 Fundamentals (MS-900)

**Microsoft Advanced Role-based Certifications**
- Azure Administrator Associate (AZ-104)
- Azure Security Engineer Associate (AZ-500)
- Azure Data Scientist (DP-100)
- Power BI Data Analyst Associate (PL-300)
- Azure AI Engineer Associate (AI-102)
- Dynamics 365 Business Central Functional Consultant (MB-800)

Confidence

Employability

Success
Introducing new certification initiative for students

Students, kick-start their tech career with Microsoft Certification

Our mission is to help students achieve more, so we’re making certifications—and the resources to learn, prepare, and get certified—free to all eligible students, starting with fundamentals certifications.

Stand out
While digital skills are a great start, students also need skills in data, AI, and cloud technologies to make the most of every opportunity.

Gain confidence
Certifications enhance credibility and give students the professional advantage of globally recognized, industry-endorsed skills.

Build a foundation for success
Certifications help students get their career off to the right start and prove they have the skills they need to succeed.
Five steps to get started

All the resources students need to learn, prepare, and get certified

1. Sign into Microsoft Learn and create a student profile.
   Track progress, use free Azure resources, and get personalized recommendations.

2. Determine which certification fits their needs, and then start learning

3. Verify their profile, claim student benefits, and practice their skills.

4. Become certified—and earn college credits in the process.

5. Share their achievements online, where potential employers will see them.

Student Certification

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Skills for Jobs

People excluded by the digital economy are trained and certified with in-demand skills and connected to jobs and livelihood opportunities.
# Skills for Jobs approach

<table>
<thead>
<tr>
<th>Reach</th>
<th>With</th>
<th>By offering</th>
<th>In partnership with</th>
<th>So that</th>
</tr>
</thead>
<tbody>
<tr>
<td>People and communities who have been excluded from the digital economy because of race, gender, geography and/or political or social crisis</td>
<td>Data and insights on in-demand jobs</td>
<td>Free in-demand skilling content and access to certification</td>
<td>Nonprofit learning partners</td>
<td>10M people globally who have been excluded because of race, gender, geography and/or other barriers attain in-demand skills to gain job and livelihood opportunities in the digital economy</td>
</tr>
<tr>
<td>Skills needed for these jobs</td>
<td>Resources and training to build capacity and scale</td>
<td>Private sector partners</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Conditions that further job and livelihood opportunities</td>
<td>Job readiness support</td>
<td>Education institutions, governments, foundations</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
FY23 Skills for Jobs Partnership Model

- **Skilling NGO/IGO**
  - Private Foundations and Development Banks
  - S500 Customers, MS Partners, and other private sector partners
  - Governments
  - Microsoft BGs and Resources
  - SFJ program offerings
## Skills for Jobs Impact to date

As of September 2022

<table>
<thead>
<tr>
<th>Category</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Learners reached via free Skills for Jobs learning content</td>
<td>66.2 million</td>
</tr>
<tr>
<td>People trained and certified with in-demand digital skills</td>
<td>4.6 million</td>
</tr>
<tr>
<td>People in jobs following program completion</td>
<td>250K</td>
</tr>
<tr>
<td>Nonprofits supported</td>
<td>450+</td>
</tr>
<tr>
<td>Number of grants distributed to AA/B community-based workforce/skilling organizations in the US</td>
<td>50</td>
</tr>
</tbody>
</table>
FY23 Skills for Jobs Big Bets

Skills for Jobs Learning Pathways + Career Essential Certificates
Cybersecurity Skilling Initiative
Skills for Sustainability
**Employability pilot**
Skilling in TechSpark regions
Skills for Jobs Learning Pathways

New learning pathways designed to meet learners where they are on their skilling journey are available now to help our partners prepare for public launch.

http://aka.ms/LearningPathwayPreview
Coming with public launch in October

Introducing Career Essentials Certificates by Microsoft and LinkedIn

Aligned to in-demand tech and tech-enabled jobs

Learners explore key concepts, relevant tools, and develop stronger skills

Pathway completion and assessment demonstrates to employers’ commitment to learning pathway
Networking Academy

Educating the learners who connect the world
Large and Global Presence – 17.5 million learners over 25 years
Currently annually 3.2 Million Students Worldwide

% OF GLOBAL TOTAL
- 25% LATAM
- 8% United States & Canada
- 22% APJ
- 5% Greater China
- 23% MEA
- 17% Europe North, South, East, Germany, UKI, CIS

Source: Research & BI, Snapshot as of August 3, 2022

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Expanding portfolio breadth
Technology is dynamic. We keep our curriculum up-to-date as industry needs evolve.

It all started with Networking

Expanded to Cybersecurity, Programming, DevNet

Coming next:
• Data Analytics & AI
• Cloud-native
• Essential skills
Networking Academy Curriculum Portfolio

Explore
Introduction to exciting opportunities in technology.
- Get Connected
- NDG Linux Unhatched
- Introduction to Cybersecurity
- Introduction to IoT and Digital Transformation
- Getting Started with Cisco Packet Tracer
- Exploring Networking with Cisco Packet Tracer
- Exploring IoT with Cisco Packet Tracer

Career
Preparation for entry level positions.

Digital Essentials
- IT Essentials
- NDG Linux Essentials
- Networking Essentials

Networking
- Networking Basics
- Networking Devices and Initial Configuration
  - CCNA:
    - Introduction to Networks
    - Switching, Routing, & Wireless Essentials
    - Enterprise Networking, Security & Automation
  - CCNP Enterprise:
    - Core Networking (ENCOR)
    - Advanced Routing (ENARSI)

Programmable Infrastructure
- Python Essentials 1
- DevNet Associate
- Workshop: Experimenting with REST APIs
- Workshop: Model-Driven Programmability

Cybersecurity
- Endpoint Security
- Network Defense
- Cyber Threat Management
- Cybersecurity Pathway
- CyberOps Associate
- Network Security
- Cloud Security

Practice
Develop skills with interactive tools & experiences

Cisco Packet Tracer
Gaming
Virtual Labs
Assessments
Physical Equipment

Complementary Offerings
Additional offerings available from Partners.
- NDG Linux I
- NDG Linux II
- NDG NETLAB+
- NDG CyberOps Lab
- OPEN EDG

Aligns to Certification/Certificate
Instructor Training Required
Self-paced
ASC Alignment Required

Includes courses on NetAcad.com and SkillsForAll.com
Inclusive education – one size does not fit all

I'm in high school, just starting to explore career options, and curious what tech is about.

I live in a rural area. There isn’t an academy near me.

I want to re-skill during my commute to a service industry job.

I need learning in my native language.

I'm a trainer with participants at different locations and want to teach digital skills.

I'm a teacher at a TVET school and want to teach digital competences.

I manage workforce development at a non-profit and need training resources for my constituents.
95% of students say Cisco Networking Academy helped them **obtain a job and/or educational opportunity**

92% of instructors say that Cisco Networking Academy helped them **become a better educator**

Based on student outcome surveys of student participants who took Cisco certification-aligned courses between fiscal years 2005 to 2022

Based on instructor survey participants in fiscal year 2022 who were actively teaching
What The Partnership Provides
A Turn-key Solution for Governments

• High quality curriculum and learning tools
  • Available free to all formal educational institutions & NGOs
• Discounts on Cisco equipment and certification exams
• State of the art online assessments
  • Including quizzes, chapter, and final exams, and simulation-based skills exams
• Learning management system (LMS)
  • Classroom management, integrated grade book, teaching resources
• Instructor teaching resources, support, training, and on-going professional development
• Online support in multiple languages
• Student Talent/Job Portal
• Alumni program and student resources
What Governments Need to Have:
To Benefit from NetAcad and Skills For All

- Dedicated Government & Cisco planning and intervention team
- Classroom space for in-person instruction and viewing online curricula and labs
- Qualified instructor available for training
- Funds to instructor training
- Funds to purchase lab equipment bundles (varies by curriculum)
- Internet access with sufficient network connections and bandwidth
Generation Global

A global citizenship education programme of the Tony Blair Institute for Global Change.
Our goal is to support young people with core skills for life and work

Young people, 13 to 17

knowledge, skills, and attitudes
to become active, open-minded global citizens
Since 2009, we have been reaching young people from all over the world

- Touching the lives of young people in 30+ COUNTRIES
- Upskilling 15,000+ TEACHERS
- Reaching 570,000+ YOUNG PEOPLE across 6 continents
- Connecting young people globally through more than 4,800 VIDEO CONFERENCES
Our programme uses a dialogue approach to equip young people with core skills

A practice of speaking and listening that is open to exploring different experiences, perspectives and beliefs. Different from discussion (pulling apart a topic) and debate (winner vs. loser).

Why Dialogue:
1. Increases youth voice & self-confidence in an inclusive way
2. Fosters cross cultural relations & critical thinking
3. Builds knowledge on global issues & how they relate to real life
Dialogue is a set of five core skills that learners can develop and master with practice.

**GLOBAL COMMUNICATION**
Speak authentically when communicating across cultures and respecting differing views.

**ASKING QUESTIONS**
Open ended questions for deeper understanding, inclusion for all, and to move the dialogue forward.

**REFLECTION**
Evaluate and assess our own and others’ experiences and the impact it has on ourselves.

**ACTIVE LISTENING**
Listen to others, understand what they are saying, and show empathy and recognition.

**CRITICAL THINKING**
Evaluate, analyse and interpret information about self, others, and the world.
We support young people to learn and practice dialogue skills through our free online platforms.
We offer 12 topic modules to build young people’s foundational knowledge of global issues:

- Civic Participation
- Climate Change
- Culture, Beliefs and Values
- Education
- Fake News and Social Media
- Global Citizenship
- Hate Speech Online
- Health and Well-being
- Identity and Belonging
- Rights and Inequalities
- The Rights of Girls and Women
- Wealth and Poverty
Our valued partners

- Children Believe
- PrepaTec
- CMS
- USAID
- BRITISH COUNCIL
- ACSI
- COMMONWEALTH EDUCATION TRUST
- Sacred Heart Education
- NORTHERN TERRITORY GOVERNMENT
- MIUR
- AFS
- SOS CHILDREN’S VILLAGES
- UNESCO
- LEAD FOR GHANA
- Teach For All
Get in touch!

Name: Lucy Hayter
Job title: Director of Generation Global
Email: l.hayter@institute.global

Ranked among top 100 education innovations by HundrED

generation.global  @Gen_Global  @gen_global  Youtube.com/c/GenerationGlobal/
OutSystems Developer Education Program

Snezana Djurisic
Community Growth and Social Impact Manager @ OutSystems
Skills in demand = Job opportunities

Global Footprint

220+ Hours of free training

625k+ Community Members
Why Developer Education?

Research shows that 39% of 18- to 28-year-olds, while they were in high school or college, didn't receive any information about tech careers. That's something we're trying to improve at OutSystems with our Developer Education Program to close the skills gap in development and technology.
For learners...

#1 Developer Journey

Self-paced, structured online training option with learning materials, sample exercises for building real-world applications and access to certification and job opportunities. There are no prerequisites and everyone is welcome to join this journey.
For learners...

Two-weeks long instructor-led remote training (3.5 hours per day in an after-work regime) with access to certification and connection with the job market. Training is designed for those who already have some technical background.
#3 Online Training

220+ hours of free online training providing different levels of knowledge and specializations, in four different languages (English, Spanish, Portuguese and Japanese)
For educators...

Educator Kit

A complete online tool for teaching OutSystems, managing classes, and tracking students’ progress with access to sample exercises, exams and certification.

Training & certification for educators
Let's connect and bridge the digital skill gap together
Increasing the productivity of over 300,000 clients worldwide, 42,000 participants p.a. attending qualification programs, over 36,000 Educational Institutions worldwide working with Festo
Festo @ UNESCO Global Skills Academy sind 2019 – example

Our goal is to design and implement educational solutions and programs that train people to perform in highly dynamic and complex industrial environments. Our aim is to maximize the learning success in educational institutions and industrial companies around the globe.

Free Access to Water Technology Program (eLearning modules) - News - Festo Didactic (festo-didactic.com)
About Festo Learning Experience

- Helps educators to access and build industry aligned content easier and quicker.
- Features a vast library of didactic learning courses for technical education.
- Combines eLearning courses and practical exercises for learners to gain employability in the high-tech industry.
- Combines industry expertise with didactic know-how to create unique learning experiences that match industrial requirements.
- Is based on an open community approach.
- Gives course recommendations based on your Festo Didactic learning hardware.
LX Courses – Examples

• Water Technology

• Bionics4Education (STEM)
Thank you for your attention

Further Contact:
Elfi Klumpp
Head of Partnership Development Global Education
elfi.klumpp@festo.com
The Huawei ICT Academy

- Global Educational Programme
- Comprehensive range of Learning pathways
- Industry Certification Courses + General courses
- Theory + Lab
- Designed for Academia and Students
- Provides free learning resources and simulation tools for teachers and students
- Free training for teachers
- Promotes ‘Digital’ learning

Started in Western Europe in 2015:
https://www.huaweiacad.com

The Academy Website

Designed to address:
The global Digital and ICT Skills Gap
June 2022: 2,000+ partner universities and colleges, 8,000+ teachers and 150,000+ active students

2026: 7,000+ partner universities and colleges, 1+ million students

Data by June 2022
Huawei ICT Academy Curriculum

General Introductory Courses
Huawei ICT Academy Curriculum

Professional Industry Certification Courses

Certification Levels

- HCIE - Expert
- HCIP - Professional
- HCIA – Associate

- HCIE - Huawei Certified Internetwork Expert
- HCIP - Huawei Certified ICT Professional
- HCIA - Huawei Certified ICT Associate

Huawei Certification
Qi Li

has successfully completed the Huawei certification requirements and is recognized as a
Cloud Computing

Certificate Number: 2021091010014501

Date: 2021-09-10
ICT Academy Professional Course Structure:

Theory element

Practical element

Resources:
- Course Outline
- MOOC
- Electronic textbook
- Course Manual
- Teaching Slides
- Lab setup guide
- Instructor Lab Manual
- Student Lab Manual
- Certification Exam

Learning Tools:
- Physical Lab
- Online Lab
- Simulation tools

Course Catalog: https://e.huawei.com/en/talent/news/#/details?consultationId=1673
Huawei Support Community

Link to Support Community Main page:

Global Support Community:
• Rewards Scheme – collect Hi-Coins and cash them in for gift vouchers or gadgets
• Subscribe to technical documentation and updates
• Post technical questions and receive answers from Huawei experts
• Attend Presentation from experts
• Take part in quizzes and competitions

Link to Western Europe Group: https://forum.huawei.com/enterprise/en/forum-100783.html