

ICDL Academic Certification Programme

The Digital Skills Standard

Artificial
Intelligence



Digital
Marketing



Social
Media



Blockchain



Data
Analytics

Cyber
Security



Redefining Digital Skills

The world is currently experiencing what is known to be the Fourth Industrial Revolution, or 4IR, a new era of digital age. 4IR promises millennials a positive future, as it presents them with unprecedented challenges and new economic opportunities ahead. It is up to us as stakeholders in education to embrace this moment, by triggering the youth's interest in technology to enable them to reimagine what the future real world would look like. Hence, we must acquaint them with the evolving technologies and how it all can be put into practice.

In response to these prerequisites, ICDL has capitalized on its more than 25 years of experience in developing, operating and promulgating the most recognised computer certification programme in the world, to introduce the ICDL Academic Profile Certification Programme. Following extensive research and studies, ICDL has developed a framework that identifies the essential skills that school and university students must gain in a diversity of new ICT topics.

Consequently, ICDL has redefined the term 'digital competency' as it raises the bar level on the diversity of ICT skills needed based on employers' demands. The new mix of skills offered in ICDL's Academic Profile Certification provides students with practical training on the latest ICT topics that may either be related to student's own personal interest or study domain.

It combines a breadth of new ICT competencies ranging from Computing, Artificial Intelligence, Cyber Security, Data Analytics, Digital Marketing, Social Media, Project Planning, Health Information Systems, Blockchain, and more.



ICDL Certifications

Skills for Digital Transformation

	ICDL Basic Skills	ICDL Applied Skills	ICDL Advanced Skills
Computer Essentials	●		
Online Essentials	●		
Word Processing	●		
Spreadsheet	●		
Social Media		●	
Cyber Safety		●	
Computer Typing & Data Entry		●	
Online Search		●	
Presentation		●	
Using Databases		●	
Project Planning		●	
IT Security		●	
Digital Marketing		●	
Online Collaboration		●	
Health Information Systems (HIS)		●	
Computing		●	
Cyber Security		●	
ICT in Education		●	
Artificial Intelligence		●	
Cyber Security (Military & Law Enforcement)		●	
Cyber Security for Educators		●	
Blockchain		●	
Image Editing		●	
Web Editing		●	
Data Analytics		●	
Advanced Word Processing			●
Advanced Spreadsheet			●
Advanced Databases			●
Advanced Presentation			●
Advanced Digital Marketing			●

ICDL Academic Profile for Higher Education



ICDL Academic Profile is an offering available and recommended to ICDL academic institutions, designed to allow students during their higher education enrolment to register in the ICDL programme and benefit from accessing all ICDL's comprehensive range of ICT skills, with unlimited access to ICDL courseware, primer testing official testing and up to 2 retakes for each unpassed test, leading to an internationally recognised certification for a single enrolment fee.

With the ICDL Academic Profile programme, academic institutions can decide on the ICDL modules to integrate with the relevant studies and determine whether the relevant modules are to be considered elective or pre-requisite courses, depending on each study major.

The World Economic Forum's Future of Jobs analysis found that, by 21%, 2020 of core skills in the countries of the Gulf Cooperation Council will be different compared to skills that were needed in 2015. *The Future of Jobs and Skills in the Middle East Report 2017*

%60 of CEOs believe the education systems in the Middle East are failing at providing students with the right skills for employment. *Arab Human Capital Challenge: The Voices of the CEOs 2018*



The Right Mix of Skills for Every Stream

ICDL Academic Certification Program offers a Certification for students pursuing various disciplines, based on most in-demand skills for respective careers. While we believe pre-selected modules will benefit students in their specialisation, the program is flexible to accommodate special certification formats you might have in mind for your students' unique learning requirements.

Major	Recommended Modules		
Law Students	Cyber Security	Advanced Word Processing	Advanced Presentation
Education Students	Presentation Advanced Word Processing	Online Collaboration	ICT in Education
Engineering Students	Project Planning Blockchain	Cyber Security Advanced Spreadsheet	Web Editing
Medical Students	Cyber Security Health Information Systems	Online Collaboration Advanced Word Processing	Online Search
Marketing Students	Presentation Web Editing	Social Media Image Editing	Digital Marketing
Business/ Accounting Students	Cyber Security Online Collaboration	Project Planning Advanced Presentation	Digital Marketing Advanced Spreadsheet

Innovation, technological readiness, higher education and training, and labor market efficiency are the four areas where the region is lagging furthest behind advanced economies. The region will need to invest in its people. *The Arab World Competitiveness Report 2018*

In the UAE, half of companies are worried about cyberattacks and one in five sees data fraud as one of the risks of major concern. Large increases in concern were also observed in Bahrain and Saudi Arabia. *The Arab World Competitiveness Report 2018*

Exclusive License

Each student enrolling in the programme will hold an exclusive license that includes:

Access to ICDL modules practice tests



Access ICDL modules and programmes that ICDL will introduce in the future



Skills Card Registration that is valid for life and can be used anywhere in the world



Access to ICDL modules



Flexibility of deciding how many modules to take and when they want to access modules



Online tests for ICDL existing modules



Tests as well as up to two retakes tests for each chosen module



ICDL Modules



Artificial Intelligence

This module explains the role of AI and how to identify systems using AI. This certification provides an overview of the fundamentals of Artificial Intelligence and how to apply them.

Blockchain

Students will learn principles and techniques associated with blockchain technologies. This module provides an understanding of what Bitcoin cryptocurrency is, how it works and its mechanism.



Data Analytics

This module provides an understanding on the analytical process, how data is created, stored, accessed, and how you can work with data to make decisions.

Computing

This module sets out essential concepts and skills related to the ability to use computational thinking and coding to create simple computer programmes.



Cyber Security

This module allows students to understand online risk, and basic security concepts, including data threats, the value of information, personal security, and file security.

ICDL Modules

Digital Marketing

This module sets out essential concepts and skills relating to the fundamentals of digital marketing, including creating a web presence and optimising content for search engines.

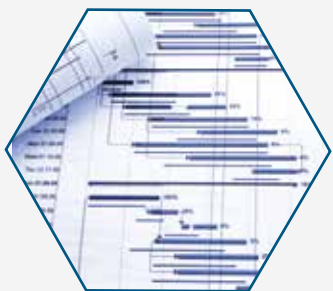


Image Editing

This module enables students to understand the main concepts underlying digital images and to use an image editing application to enhance images and apply effects.

Web Editing

This module enables students to understand key web publishing concepts and to create, upload, and maintain a web site.



Project Planning

This module enables students to use project management software to prepare project plans and monitor projects, including planning and managing time, costs, tasks, and resources.

IT Security

This module allows students to understand the main concepts underlying the secure use of ICT in daily life and to use relevant techniques and applications to maintain a secure network connection.



ICDL Modules

Health Information Systems Usage

This module is suitable for users of patient data systems, such as doctors, nurses, and healthcare support staff. It defines the skills necessary for staff to operate a HIS efficiently and securely.



ICT in Education

This module enables teachers to start engaging in the pedagogically effective use of ICT to support and enhance teaching, learning and assessment in the classroom.

Cyber Security for Educators

This module enables educators and administrators to learn valuable information and numerous skills on cyber security to be better qualified to manage and protect students while working online.



Online Collaboration

This module sets out concepts and skills relating to the setup and use of online collaborative tools, such as storage, productivity applications, calendars, social media, web meetings and mobile technology.

Word Processing

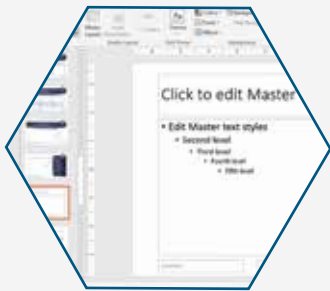
This module allows students to demonstrate the ability to use a word processing application to accomplish everyday tasks associated with creating, formatting, and finishing small-sized word processing documents.



ICDL Modules

Spreadsheets

This module allows candidates to understand the concept of spreadsheets and to demonstrate an ability to use a spreadsheet to produce accurate work outputs.



Presentation

This module is essential for all students as it allows them to understand the concept of presentations and to demonstrate competence in using different presentation softwares.

Using Databases

This module allows students to understand what a database is and how it is organised and operated. Students will be able to demonstrate competence in using a database.



Computer Essentials

This module covers everything from hardware to software to malware. It teaches students essential concepts and skills about the use of devices, file creation and management, networks and data security.

Online Essentials

This module covers security and safety on the web, the concepts of online communities, communications and email. It covers the essentials your students will need for going online.



ICDL Modules

Social Media

This module will enable Candidates to develop their knowledge and skills in using social media resources effectively both in their personal and professional lives.



Cyber Safety

This module provides students with the skills and knowledge required to operate safely with computers and a range of mobile devices and to be aware of online threats.

Online Search

This module enables students to demonstrate their skill and knowledge in searching effectively for information. Students will be aware of different information sources, both traditional and online.

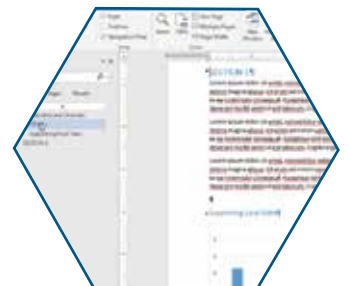


Computer Typing & Data Entry

Students that want to verify their typing speed and accuracy must undergo a typing test of unfamiliar text to complete this module's requirements.

Advanced Word Processing

This module is a high-level certification programme through which students can demonstrate their ability to use the advanced features of word processing applications to enhance their work, improve productivity and save time.



ICDL Modules

Advanced Spreadsheets

This module is a high-level certification programme which presents students with the opportunity to bring their spreadsheet skills to an expert level.



Advanced Databases

This module is a high-level certification programme that enables students to use the many advanced tools available in database applications to better manage and organise structured information.

Advanced Presentation

This module is a high-level certification programme for students who wish to create effective, high-impact presentations using advanced features and who need to be able to prove their skills in this area.



Advanced Digital Marketing

This module establishes the critical context of Digital Marketing and sets out advanced concepts and skills that will help learners start a Digital Marketing function.



Coming Soon

Endorsements and Qualifications

ICDL Arabia, the regional arm of the ECDL Foundation was established in 2001 in partnership with UNESCO to promote digital literacy in the region. During the past 5 years and in partnership with the concerned government authorities in the GCC, ICDL Arabia has been spearheading initiatives to spread various ICT skills leading to digital transformation and workplace productivity. It has also been supporting the wide-scale implementation of awareness programmes, including skills validation through training and certification programmes centering on Cyber Security.

ICDL is a member of the Virtual Global Taskforce (VGT) and in conjunction with the UAE MoI Child Protection Centre works on various awareness initiatives targeting teachers, parents as well as students.

ICDL is endorsed by most of the Education ministries in the GCC region and Egypt and is also mapped to the Regulated Qualifications Framework (RQF) in England and the Scottish Credit and Qualification Framework (SCQF) as well as many other qualifications frameworks in Australia, New Zealand, Singapore and South Africa. Additionally, ICDL is mapped to the National Registrar of Professional Qualifications in France (RNCP) and Tamkeen in Bahrain.

Many ICDL modules were awarded college credit by the American Council of Education (ACE Credit). The Health Information Systems Usage module is endorsed by the Ministry of Health in Egypt.

A Global Framework of Reference on Digital Literacy Skills for Indicator report by UNESCO (2018). "ICDL is adopted in 31 different countries."



ICDL Academic Certification Programme



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