# SCQF GUIDE TO UKRAINIAN QUALIFICATIONS



qualifications framework

## ACKNOWLEDGEMENTS

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# ABBREVIATIONS

ECTS	European Credit Transfer and Accumulation System
EHEA	European Higher Education Area
ENIC	European Network of National Information Centres
ETF	European Training Foundation
HE	Higher Education
HNC	Higher National Certificate
HND	Higher National Diploma
NARIC	National Academic Recognition Information Centres
NPA	National Progression Award
NQFU	National Qualifications Framework of Ukraine
NUFFIC	Netherlands Organisation for International Cooperation in Higher Education
OECD	Organisation for Economic Co-operation and Development
SCQF	Scottish Credit and Qualifications Framework
SVQ	Scottish Vocational Qualification
VET	Vocational, Technical or Professional Education and Training

# **1. INTRODUCTION**

This Guide to Ukrainian Qualifications, published by the Scottish Credit and Qualifications Framework (SCQF) Partnership is designed for a wide readership: employers, admissions staff in institutions at all levels, Recognition of Prior Learning practitioners, and third sector organisations supporting or advising refugees from Ukraine<sup>1</sup>. It is intended to provide enough information about the main certificates, diplomas and degrees awarded in Ukraine to allow them to make informed judgements about the value of these qualifications for entry to education, training, or employment. For those who want to investigate further, a number of accounts of the Ukrainian education and training system are available online. They include:

- ENIC Ukraine (2022): Educational System of Ukraine.
- European Commission, Lantero, L. et al (2022): Guidelines on fast-track recognition of Ukrainian academic qualifications<sup>2</sup>.
- NARIC Ireland (2022): Rough guide to Ukrainian qualifications in the context of the Irish National Framework of Qualifications (Version 4.1)

Further information about these and other sources is given at the end of this Guide.

This Guide gives relevant details about the main qualifications available in Ukraine and suggests broad comparisons with relevant qualifications in Scotland. It does this in three ways.

- An overall account of the education and training in Ukraine: This identifies and focuses on the main qualifications in the system in Ukraine. It is set out in three sections which are familiar in both national systems, but are described in the guide using terms which are familiar to Scottish users of the SCQF. These are: School Qualifications; Vocational Education and Training (VET) Qualifications; and Higher Education (HE) Qualifications.
- A representation of the relationships between the SCQF and the National Qualifications Framework of Ukraine (NQFU)<sup>3</sup> using the illustrative approach taken in *Qualifications can Cross Boundaries: A guide to comparing qualifications in the UK and Ireland*<sup>4</sup>: This new comparison of framework levels has been created on the basis of common ideas in the two sets of framework level descriptors and the intention, content, and progression possibilities of the main qualifications in Ukraine. Only directly comparable Scottish qualifications are included in the illustration.
- A series of 12 qualification tables, each of which offers relevant facts about an important Ukrainian qualification and suggests comparable Scottish qualifications.

These grids include the title of the qualification in Ukrainian and information about where it sits in the education and training system in Ukraine. The information included is intended to help users to make their own initial appraisal of the qualification relative to Scottish expectations, and assist them to find out more where that is needed.

In Ukraine, the structures of education and training and the approaches to teaching and learning have been subject to ongoing reform since the country secured independence in 1991. There has been a steady transition from a highly regulated, selective system based on knowledge acquisition to a flexible, accessible system focusing on learning outcomes and skills development. Since 2017, new approaches have been developed for establishing new occupational standards, educational standards, curricula and assessment standards. The intention has been to bring the system more into line with

European practices and move qualifications from a curriculum-focused subject-oriented approach to an outcome-based, modular form, strengthening the relevance of standards, assessment processes and independent accreditation of providers and programmes. A national exam body was set up in 2006, a national body for quality assurance in HE was established in 2015, and a national qualifications accreditation body was formed in 2019.

Some of the changes have not yet been fully applied and a number have been affected by the emergency created by the Russian invasion. This guide is centred on the qualifications and reforms which were in place prior to the emergency, with additional information added on new arrangements and legacy qualifications where these are likely to be relevant to users' purposes.

Naturally some refugees will have left their country without documentary evidence of their qualifications. The Ukrainian system provides for digital enquiry for past records and study experiences with certain restrictions. The process for making such enquiries is outlined in the Guidelines on Fast-track Recognition of Ukrainian Academic Qualifications (cited above and available at https://education.ec.europa.eu/document/guidelines-on-fast-track-recognition-of-ukrainian-academic-qualifications).<sup>5</sup>

This SCQF guide should be used in line with any current advice on the recognition of qualifications issued by the SCQF Partnership and the Scottish and UK Governments. Some institutions and organisations may also have additional requirements for recognition and entry.

<sup>&</sup>lt;sup>1</sup> NOTE: Some of the contents of this guide may not apply to individuals from Crimea or the Donetsk or Luhansk regions of Ukraine.

<sup>&</sup>lt;sup>2</sup> Each of these sources includes images of actual certificates and useful links. The European Guidelines are the most comprehensive in this respect.

<sup>&</sup>lt;sup>3</sup> Ukraine's NQF was adopted in 2011 as a ten-level framework. In 2020 this was reduced to 8, matching the European Qualifications Framework for lifelong learning (EQF). The comparisons in this guide are based on the description of the 8-level framework, set out in the Ministry of Education and Science of Ukraine (2022b).

<sup>&</sup>lt;sup>4</sup> https://scqf.org.uk/media/e5pjypw4/qccb-web-oct-2019.pdf

<sup>&</sup>lt;sup>5</sup> Some refugees may have a European Qualifications Passport for Refugees. Find out more about this at <u>https://</u>www.coe.int/en/web/education/recognition-of-refugees-qualifications#%7B%2265149316%22:%5B0%5D%

# 2. THE EDUCATION, TRAINING AND QUALIFICATIONS SYSTEM IN UKRAINE

A number of diagrammatic representations of the Ukrainian system are available. On advice, this guide is based closely on a table headed "Education system of Ukraine" published by ENIC Ukraine, the state-owned National Information Centre of Academic Mobility. This table uses common Scottish categories for the components, system levels and qualification titles. Ukrainian terms are in inverted commas<sup>6</sup>.

Component	System Level	Qualification	Scope of the programme, period of study, credit value	NQF Level
SECONDARY SCHOOL	"Basic"/lower secondary school education	Certificate of Basic/ Lower General Secondary Education	5 years There is a variant for learners with special educational needs.	level 2
Complete general education	"Upper/"field specific"/senior secondary school education	Certificate of Complete General Secondary Education	2 years, being extended to 3 years A Certificate of Independent External Assessment is also normally required for entry to Higher Education.	level 3 / 4
VET	1st ("initial") VET level	Qualified Worker's Diploma	Regulated by standards of professional (vocational) education	level 2
Vocational/ Vocational-	2nd ("basic") VET level	Qualified Worker's Diploma	(Can be integrated with senior secondary education programmes)	level 3
Technical Education and	3rd	Qualified Worker's Diploma	Entry requires senior secondary education	level 4
Training	("upper"/"higher") VET level	Junior Specialist's Diploma	qualification	level 5
VET Professional pre- higher education	Professional pre-higher (VET) education	Professional Junior Bachelor's Diploma	Educational-professional programme: 240 credits based on lower secondary education; 120-180 credits based on complete general secondary education	level 5
	Initial (short cycle) level of HE	Junior Bachelor's Diploma	Educational and professional programme 120 credits	level 5
	The first (Bachelor's) level of HE	Bachelor's Degree	Educational and professional programme 180-240 credits	level 6
	HE (Master's) level of HE HE	Master's Degree	Educational and professional programme 90-120 credits Educational and scientific programme – 120 credits (scientific component - not less than 30%)	level 7
HE Higher Education		Medical, Pharmaceutical or Veterinary Master's Degree	Educational programme 300-360 credits	
	The third (educational and research / educational and creative) level of HE	Doctor of Philosophy	Preparation 4 years, educational component of the educational and scientific programme 30-60 credits	level 8
		Doctor of Arts	Preparation – 3 years, educational component of the educational and creative programme 30-60 credits	
Adult education	- Lifelong Learning	Partial qualifications	-	

<sup>6</sup> Original table is dated November 2021 and available at <u>https://enic.in.ua/index.php/en/educationl-system</u>.

As shown in the table, qualifications in Ukraine are awarded for general (school) education, vocational/professional<sup>7</sup> education and training (VET), and higher education (HE) and, in addition to the full qualifications available in each sector, individuals can get recognition for partial qualifications throughout their learning lives – for example programmes, units and modules. As in Scotland, there are routes between the sectors and qualifications can combine general/academic and vocational/professional outcomes.

In 2022, the OECD reported that Ukraine's educational attainment level was high, and that VET is an essential part of the educational system. In 2020, 44% of the active population had completed secondary education and 54% had completed or were enrolled in tertiary education in Universities or Vocational Schools. [OECD, 2022:4].

In this guide, Ukrainian Qualifications are described using the terms which are familiar in to Scottish users: i.e. school qualifications; VET qualifications; HE qualifications.

#### **School Qualifications**

The general educational aims and objectives which shape the curriculum and qualifications are similar to those in Scotland. Students in Ukraine should become responsible citizens, patriots, innovators, and critical thinkers and secondary school graduates should have developed the abilities to: read, write and communicate orally, think critically, give opinions logically, manage their emotions, show initiative and creativity, solve problems, evaluate risks, make decisions, and work in teams. "Upper" secondary education – sometimes referred to as "field-specific" – i.e. subject-based, referring to both academic and practical subjects. As in Scotland, these school qualifications can be taken in a range of institutions, often with particular orientations: academic secondary schools (gymnasia and lycées), technical secondary schools, vocational and technical colleges, and vocational schools. "Basic" (lower) secondary education lasts 5 years, ending at age 15, and "upper" (senior) secondary normally runs for 2 years at present, ending at age 17<sup>8</sup>.

In effect, there are three School Qualifications in the Ukraine system:

- Certificate of Basic General Secondary Education / Certificate of Basic General Secondary Education (special needs)<sup>9</sup>: NQFU level 2 / SCQF level 3 or 4
- Certificate of Complete General Secondary Education: NQFU level 3 / SCQF level 5
- Certificate of Independent External Assessment<sup>10</sup>- sometimes referred to as "the matriculation school certificate" – required for entry to HE, so effectively NQFU level 4 / SCQF level 6

Each of these is described in more detail in Section 4 and images of certificates can be found in the Guidelines on Fast-track Recognition of Ukrainian Academic Qualifications. <u>https://education.ec.europa.eu/document/guidelines-on-fast-track-recognition-of-ukrainian-academic-qualifications</u>.

The Ministry of Education and Science sets standards across the curriculum in the form of learning outcomes and the Ukrainian Centre for Educational Quality Assessment sets national tests against these outcomes. As in Scotland, the certificates are awarded with a supplement [Додаток] which shows the subjects which students have taken and the grades they achieved. The grades run from 1 (lowest) to 12 (highest) and are reported at 4 levels. These can be described as Elementary/ Unsatisfactory (1-3); Average/Satisfactory (4-6); Sufficient/Good (7-9) or High/Excellent (10-12).

In Ukrainian the terms used for education/training which is called "vocational" in Scotland include "professional-technical"

<sup>&</sup>lt;sup>8</sup> This is being raised to 3 years (age 18) over the period 2017-2027.

<sup>&</sup>lt;sup>9</sup> "for children who have required significant physical, sensory and/or intellectual support"

<sup>&</sup>lt;sup>10</sup> This is not normally listed as a qualification in Ukrainian documents, but is referred to separately here for the purposes of this guide.

Until 2020, students could undertake additional national examinations for the Certificate of External Independent Assessment<sup>11</sup>, which is necessary for entry to HE. Candidates must take four external exams. Since 2018 these have been: (1) Ukrainian language, (2) mathematics, (3 & 4) history of Ukraine and a foreign language, or - in place of <u>one</u> of these - biology, geography, physics or chemistry. The available foreign languages are English, German, French, or Spanish. The results for other subjects are measured in school exams. This Assessment is run by the Ukrainian Centre for Educational Quality Assessment and is reported on in an additional certificate which is valid for application to HE for 2-3 years. Students in recent years who were unable to take final exams have awards marked "exempted" (звільнений/zvil'nenyy).

In 2022, in an emergency measure, the External Independent Assessment Test was replaced for entry to HE by an online National Multi-Subject Test based on a similar set of subjects.

#### Vocational education and training (VET) qualifications

Ukraine recognises three levels or gradations of VET courses and qualifications: initial VET, basic VET and upper/higher VET. Providers and the courses they offer are accredited at one or more of these levels:

#### **INITIAL VET (NQFU level 2)**

Courses at this level develop the ability of an individual to perform routine, uncomplicated tasks in typical situations under supervision in a clearly defined and structured field. Courses of this kind normally last a year or less and the students/trainees are not required to have completed basic or complete secondary education. On successful completion of the course, students/trainees are "assigned" the title "qualified worker" (sometimes called "skilled worker") and they can be awarded a Certificate at NQFU level 2 after an assessment<sup>12</sup> which requires minimal theoretical knowledge.

#### **BASIC VET (NQFU level 3)**

This develops the ability of an individual to perform non-routine and unfamiliar tasks of some technical difficulty under guidance and within standard procedures, making adjustments to meet the circumstances of the work. Courses of this kind vary from 1.5 to 4 years in duration depending whether the students/trainees have completed secondary education before starting the programme or as part of the programme. They are usually required to have completed lower ("basic") secondary education for entry, but can complete upper secondary education as part of the course. On successful completion of the course, students/trainees are "assigned" the title "qualified/skilled worker" and they can be awarded a Diploma at NQFU level 3 after an assessment which requires knowledge of both general and occupationally specific principles and concepts.

#### UPPER/HIGHER VET (NQFU levels 4 and 5)

These courses prepare individuals for technically difficult and sophisticated professions. They require successful completion of upper secondary education for entry, and should not last more than 2 years. On successful completion of the course students are "assigned" the title "Qualified Worker" or, subject to certain conditions, "Junior Specialist". They can be awarded a Qualified Worker's Diploma at NQFU level 4 or a Junior Specialist's Diploma at NQFU level 5 after appropriate assessments.

Courses at NQFU level 4 prepare individuals to perform complex special purpose manufacturing or learning tasks in non-standard situations independently.

Courses at NQFU level 5 prepare individuals to take responsibility for their performance and also to supervise other persons in such situations.

In effect, then, there are four main full VET Qualifications in the Ukraine system:

- the Qualified Worker's Diploma: NQFU level 2 / SCQF level 3 or 4
- the Qualified Worker's Diploma: NQFU level 3 / SCQF level 5

- the Qualified Worker's Diploma: NQFU level 4 / SCQF level 6
- the Junior Specialist's Diploma: NQFU level 5 / SCQF level 7 or 8

Note: The generic term "diploma" is used for all these qualifications. In Scottish terms, however, the NQFU level 2 and 3 qualifications are probably best thought of as certificates, which can lead to a diploma.

Each of these is described in more detail in Section 4 and images of the certificates can be found in the Guidelines on Fast-track Recognition of Ukrainian Academic Qualifications <u>https://education.ec.europa.eu/document/guidelines-on-fast-track-recognition-of-ukrainian-academic-qualifications</u>.

#### **Higher Education (HE) qualifications**

Ukraine committed to the Bologna Process in 2005 and since then has adopted a three-cycle system of Bachelor's, Master's and doctoral qualifications together with short cycle, junior Bachelor's qualifications. European Credit Transfer and Accumulation System (ECTS) credit points, and the use of Diploma Supplements have also been introduced. In 2012, the NQFU, in line with the European Higher Education Area (EHEA) in terms of levels and level descriptors, was established and in 2014, the Parliament of Ukraine adopted a new Law of Ukraine 'On Higher Education', which approved competence-based education and the use of learning outcomes in HE standards. Alongside these, short cycle pre-HE vocational qualifications with routes into HE (Professional Junior Bachelor's Diplomas) were developed. This has meant the phasing out of qualifications from the previous system, but obviously many people hold these legacy qualifications.

In effect, four HE Qualifications are currently offered in the Ukraine system<sup>13</sup>:

- Junior Bachelor's Diploma / previously Junior Specialist's Diploma
- Bologna first cycle, short cycle (120 ECTS): NQFU level 5 / SCQF level 7 or 8
- Bachelor's Degree
  - Bologna first cycle (180-240 ECTS): NQFU level 6 / SCQF level 9 or 10
- Master's degree / previously Specialist's Diploma
  - Bologna second cycle (90-120 ECTS): NQFU level 7 / SCQF level 11
- Doctoral Degree (Doctor of Philosophy, Doctor of Arts)
   Bologna third cycle (30-60 ECTS) / SCQF level 12

Each of these is described in more detail in Section 4 and images of the certificates can be found in the Guidelines on Fast-track Recognition of Ukrainian Academic Qualifications <u>https://education.ec.europa.eu/document/guidelines-on-fast-track-recognition-of-ukrainian-academic-gualifications</u>.

In 2015, a National Agency for Higher Education Quality Assurance, independent of the Ministry of Education and Science, was established to monitor and report on the quality of HE in Ukraine. It accredits all HE Institutions, of which there are about 600, and their programmes. In 2020, the Agency received full membership in INQAAHE (International Network for Quality Assurance Agencies in Higher Education) and an affiliated status in ENQA (the European Association for Quality Assurance in Higher Education).

<sup>&</sup>lt;sup>11</sup> Described by the authority as "state final attestation in the form of external independent assessment".

<sup>&</sup>lt;sup>12</sup> In the Ukrainian system, this "assignment" (sometimes "conferment") is referred to as if it comes before, and separately from, the issuing of the Certificate or Diploma. This can be confusing for those used to a system where the issuing of the qualification is what allows individuals to call themselves "qualified", as in Scotland.

<sup>&</sup>lt;sup>13</sup> The term "diploma" in HE in Ukraine can mean both "diploma" and "degree" as these terms are used in Scotland. In this guide, a short cycle HE qualifications are designated "diploma" and other HE qualifications are designated "degree".

# **3. COMPARING QUALIFICATIONS:** UKRAINE-TO-SCOTLAND

This relationship between the framework levels and qualifications in this table are based on a detailed comparison of the two sets of level descriptors together with key aspects of the main qualifications in Ukraine. Only directly comparable Scottish qualifications are included.

MAIN STAGES OF EDUCATION, TRAINING AND EMPLOYMENT	NATIONAL QUALIFICATIONS FRAMEWORK OF UKRAINE: Framework level & main qualifications	
Professional, or postgraduate education,	8	Doctor of Philosophy /PhD. Doctor of Arts/PhD
research or employment	7	Master's Diploma / Master's Diploma with distinction Specialist's Diploma / Specialist Diploma with distinction
Higher education Advanced skills training Entry to professional graduate employment	6	Bachelor Diploma with distinction Specialist's Diploma with distinction Bachelor's Diploma Specialist's Diploma
Initial entry to specialist/ managerial work Entry to degree studies Specialised education and training	5	Junior Bachelor's Diploma Professional Junior Bachelor's Diploma Junior Specialist's Diploma
Entry to qualified/skilled work Entry to higher education	4	Certificate of Independent External Assessment for Secondary Completion Qualified Worker's Diploma of (upper/higher VET diploma)
Completion of secondary education	3	Certificate of Complete General Secondary Education Qualified Worker's Diploma (basic VET certificate)
Employment (routine skills) Continuation of secondary education	2	Certificate of Basic/Lower General Secondary Education Certificate of Basic/Lower General Secondary Education (Special Needs)
Initial entry to employment Initial further education Secondary education	1	Qualified Worker's Diploma (initial VET certificate)

#### SCOTTISH CREDIT AND QUALIFICATIONS FRAMEWORK: Framework level & comparable qualifications

12	Doctoral Degree
11	Master's Degree, Postgraduate Diploma, Postgraduate Certificate,
10	Bachelor's Degree with Honours, Graduate Diploma, Graduate Certificate,
9	Bachelor's/Ordinary Degree Graduate Diploma, Graduate Certificate Diploma of Higher Education (Dip HE),
8	Higher National Diploma (HND), Diploma of Higher Education (Dip HE),
7	Higher National Certificate (HNC), Certificate of Higher Education (CertHE),
6	Higher PDA, SVQ, NPA, National Certificate, Award
5	National 5, SVQ, NPA, National Certificate, Award
4	National 4, SVQ, NPA, National Certificate, Award
3	National 3, NPA, National Certificate, Award
2	
1	

# **4. MAIN QUALIFICATIONS IN UKRAINE**

#### **School qualifications:**

- Qualifications Table 1: Certificate of Basic/Lower Secondary Education
- Qualifications Table 2: Certificate of Complete General Secondary Education
- · Qualifications Table 3: Certificate of Independent External Assessment

#### **VET** qualifications

- Qualifications Table 4: Qualified Worker's Diploma (initial VET certificate)
- Qualifications Table 5: Qualified Worker's Diploma (basic VET certificate)
- Qualifications Table 6: Qualified Worker's Diploma (upper/higher VET)
- Qualifications Table 7: Junior Specialist's Diploma
- Qualifications Table 8: Professional Junior Bachelor's Diploma

#### **HE qualifications**

- Qualifications Table 9: Junior Bachelor's Diploma
- (with some information on the legacy Junior Specialist's Diploma)
- Qualifications Table 10: Bachelor Degree / Bachelor Degree with honours
- Qualifications Table 11: Master's Degree (with some information on the legacy Specialist's Diploma)
- Qualifications Table 12: Doctoral Degree

## Qualifications Table 1: Certificate of basic/lower secondary education

Certificate of basic general secondary education (before 2018) Certificate of basic/lower secondary education (since 2018)	Svidotstvo pro bazovu zagalnu seredniu osvitu / Свидоцтво про базову загальну середню освіту (before 2018)         Атестат про нижчу (базову) середню освіту (since 2018)         Taken in lower secondary schools) after Grade 9 (age 14-15)         Can be awarded with distinction/honours for "excellent performance".         There is also a variant for learners with special educational needs: Certificate
NOTE on this certificate	of basic general secondary education (special needs).
NOTE on this certificate	Knowledge of pupils is tested and reported on a 12-point scale: 10 -12 Excellent, 7-9 Good, 4-6 Satisfactory, 1-3 Unsatisfactory. These scores are recorded in a supplement to the certificate.
Progression	To employment in low skilled occupations.
	To upper Secondary Education or VET (leading to the Junior Specialist's Diploma or Professional Junior Bachelor's or Qualified Worker's Diploma.
Framework levels	NQFU level 2 SCQF level 3 or 4
Ukrainian summary for this type/level of qualification. https://mon.gov.ua/eng/osvita/ nacionalna-ramka-kvalifikacij	"ability of a person to perform typical uncomplicated tasks in typical situations in a clearly defined and structured field of work or study, perform tasks under supervision, with elements of independent behaviour"
Comparable Scottish	National 3 or 4 courses
Award(s) and definition Based on SCQF Employer Levelling Tool 2017	<b>SCQF level 4:</b> ability to carry out a limited range of straightforward, routine tasks and to operate standard procedures in an area of work under regular supervision.
NQFU Level 2 Descriptors	<b>Knowledge:</b> Basic empirical knowledge and understanding of the key (general) processes in the field of education [training] and/or work.
[words in square brackets are interpretations added for this guide]	<b>Skill:</b> Use of relevant information to perform simple tasks and solve everyday problems in typical situations with the use of simple rules, instructions and tools. Assessment of results of one's own activities in accordance with the established criteria, use of reasoning to substantiate one's own opinions and conclusions.
	<b>Communication:</b> Interaction in the team in order to perform the tasks. Production of detailed oral and written messages.
	<b>Responsibility and autonomy:</b> Work and / or study [training] under the guidance or supervision with a certain independence, individual responsibility for the results of performing tasks during study [training] and/or work.

## **Qualifications Table 2: Certificate of Complete General Secondary Education**

Certificate of Complete	Атестат про повну загальну середню освіту (1992-2018)
General Secondary Education	Свідоцтво про здобуття повної загальної середньої освіти (from 2019)
	Usually taken in upper secondary schools (general, specialist, public, private). Taken after two (or, increasingly, three) years of upper secondary education at age 17 (or 18). It may also be taken alongside a Qualified Worker's Diploma over a longer period, or as an adult.
	Can be awarded with distinction/honours for "excellent performance".
	This qualification is shown at level 3 in the NQFU and no school award is allocated at level 4. However, a good performance in this certificate is the standard requirement for entry to HE at level 5.
	Students qualifying for entry to HE might be judged to be performing at level 4 (see next Qualifications Table: Certificate Independent External Assessment).
NOTE on the certificate	As in Scotland, the certificates are awarded with a supplement [Додаток/ dodatok] which shows the subjects which students have taken over the previous two years and the grades they achieved in school exams. These are reported on a 12-point scale:
	10 -12 Excellent, 7-9 Good, 4-6 Satisfactory, 1-3 Unsatisfactory.
	Students in recent years who were unable to take final exams have awards marked "exempted" (звільнений/zvil'nenyy).
	For entry to HE, students must take a series of national tests and be awarded a Certificate of Independent External Assessment or, since 2022, the results of the National Multi-Subject Test.
	Details of the Independent External Assessment are given in the next table.
Progression	To employment with training for skilled occupations.
	To tertiary/higher general or vocational/professional Education.
Framework level	NQFU level 3/4 SCQF level 5-6
Ukrainian summary for this type/level of qualification. https://mon.gov.ua/eng/osvita/ nacionalna-ramka-kvalifikacij	"ability of a person to perform manufacturing or learning [practical or academic] tasks of average complexity under determined algorithms and established time and quality standards"
Comparable Scottish	National 5 courses or Highers.
<b>Award(s) and definition</b> Based on SCQF Employer Levelling Tool 2017	<b>SCQF level 5:</b> ability to complete routine/familiar and non-routine /unfamiliar tasks under guidance and within standard procedures, usually in a context which is familiar, but also to make some adjustments to meet the circumstances of work.
NQFU Level 3 Descriptors [words in square brackets are	<b>Knowledge:</b> Knowledge of facts, principles, processes, and general concepts in the field of education [training] and/or professional [vocational/occupational] activity.
interpretations added for this guide]	<b>Skills:</b> Performing typical tasks and solving problems by selecting and applying basic methods, tools, materials, and information. Assessment of results of performed tasks in accordance with pre-known criteria.
	<b>Communication:</b> Ability to work efficiently in a team. Perception of criticism, advice, and guidance. Production of detailed oral and written communications, in particular in professional [vocational/occupational] activities.
	<b>Responsibility and autonomy:</b> Responsibility for performing tasks while working or studying [learning/training]. Adapting one's behaviour to external circumstances while performing tasks or solving problems.

## **Qualifications Table 3: Certificate of Independent External Assessment**

Certificate Independent	Сертифікат зовнішнього незалежного оцінювання
External Assessment Replaced in 2022, by the results of the National Multi- Subject Test: see Note below.	Most routes into HE require this certificate. It is a common follow-up to the Certificate of Complete General Secondary Education. The Ukrainian Centre for Educational Quality Assessment sets national tests against the educational standards set by the Ministry of Education and Science and issues a certificate recording the results in these tests: this can be awarded with distinction/honours for "excellent performance". This certificate may be described as the "state final attestation" or matriculation certificate. It is valid for application to HE for 2-3 years.
NOTE on the Certificate	Since 2018 the Certificate of Independent External Assessment has been based on national tests in four subjects: (1) Ukrainian language, (2) mathematics, (3 & 4) history of Ukraine and a foreign language, or – in place of <u>one</u> of these – biology, geography, physics or chemistry. The available foreign languages are English, German, French, or Spanish. Starting in 2022, due to the Russian invasion, these arrangements were
	replaced by a National Multi-Subject Test. This is a computer-based test of Ukrainian language, Mathematics and History of Ukraine.
Progression	To HE. This may be general/academic or vocational/professional.
Framework level	NQFU level 4 SCQF level 6
Ukrainian summary for this type/level of qualification. https://mon.gov.ua/eng/osvita/ nacionalna-ramka-kvalifikacij	"ability of a person to independently perform complex special purpose learning tasks in a certain field of activity or in the course of study, in particular, in non-standard situations"
Comparable Scottish Award(s) and definition Based on SCQF Employer Levelling Tool 2017	Results at Higher which meet entry requirements for HE programmes. SCQF level 6: ability to draw on an understanding of processes and systems and use knowledge to recognise and address changing circumstances and requirements and technical problems which may arise within a defined structure of operation.
NQFU Level 4 Descriptors [words in square brackets are interpretations added for this guide]	<ul> <li>Knowledge: Empirical and theoretical knowledge in broad contexts and understanding of principles, methods, processes in the field of education [/ training] and/or professional [vocational/occupational] activity.</li> <li>Skills: Performing complex specific tasks, finding or making decisions on specific problems in professional [vocational/occupational] activity or education [training]. Planning one's own work and organising, monitoring, evaluating, and adjusting the work of others in a limited context.</li> <li>Communication: Mentoring, sharing experience. Production of complex detailed oral and written communications, in particular in professional [vocational/occupational] activity or education [training].</li> <li>Responsibility and autonomy: Self-organisation according to rules that exist in work or study [learning/training] contexts and are usually predictable but may change. Supervising the daily work of others, limited responsibility for evaluating and improving the performance of their work or study [learning/training].</li> </ul>

## Qualifications Table 4: Qualified Worker's Diploma (Initial VET certificate)

Qualified Worker's Diploma	Диплом кваліфікованого робітника
(Initial VET certificate)	Learning outcomes at this level relate to a limited practical capability and knowledge of theory. It is normally taken in a vocational school at age 15 and takes one year.
	Assessment relates to the ability to carry out relatively simple work together with functional literacy and numeracy.
NOTE on the Certificate	At the end of a programme, students take a vocational competence examination. Since 2020, work has been underway to increase the use of occupational standards and independent assessment.
Progression	To "Basic" VET or employment in low skilled occupations.
Framework level	NQFU level 2 SCQF level 4
Ukrainian summary for this type of qualification. <u>https://</u> mon.gov.ua/eng/osvita/ nacionalna-ramka-kvalifikacij	"determines the ability of a person to perform typical uncomplicated tasks in typical situations in a clearly defined and structured field of work or study, perform tasks under supervision, with elements of independent behaviour"
Comparable Scottish	Level 4 NPA, SVQ, or National Certificate Award
Award(s) and definition Based on SCQF Employer Levelling Tool 2017	<b>SCQF level 4:</b> ability to carry out a limited range of straightforward, routine tasks and operate standard procedures in an area of work under regular supervision
NQFU Level 2 Descriptors	<b>Knowledge:</b> Basic empirical knowledge and understanding of the main (general) processes in the field of education and / or work
	<b>Skills:</b> Use of relevant information to perform simple tasks and solve everyday problems in typical situations with the use of simple rules, instructions and tools for evaluating the results of their own activities in accordance with established criteria, the use of reasoning to substantiate their own opinions and conclusions.
	<b>Communication:</b> Interaction in the team in order to perform the tasks of producing detailed oral and written messages.
	<b>Responsibility and autonomy:</b> Work and / or training under the guidance or supervision with a certain independence, individual responsibility for the results of tasks during training and / or work.

## Qualifications Table 5: Qualified Worker Diploma (Basic VET certificate)

Qualified Worker's Diploma	Диплом кваліфікованого робітника
(Basic VET certificate)	This qualification can be taken at 15+ in combination with the Certificate of Complete General Education (a 3-year course) or at 17+ after the Certificate of Complete General Education (a one-year course). It can be taken at a vocational school or a specialist technical college.
	Learning outcomes at this level correspond to growing responsibility in work and life. They are associated with entry to many occupational sectors.
NOTE on the Diploma	At the end of a programme, students take a vocational competence examination. Since 2020, work has been underway to increase the use of occupational standards and independent assessment. Most diplomas can be awarded "with distinction".
Progression	To practice the occupation named on the Diploma.
	To "Upper/Higher" VET or to HE if accompanied by a Certificate of Independent Assessment or (since 2022) the results of the National Multi- Subject Test.
Framework level	NQFU level 3 SCQF level 5
Ukrainian summary for this type of qualification. https:// mon.gov.ua/eng/osvita/ nacionalna-ramka-kvalifikacij	"determines the ability of a person to perform manufacturing or learning tasks of average complexity under determined algorithms and established time and quality standards"
Comparable Scottish	Level 5 NPA, SVQ, or National Certificate Award
Award(s) and level Based on SCQF Employer Levelling Tool 2017	<b>SCQF level 5:</b> ability to complete routine/familiar and non-routine/unfamiliar tasks, although usually within standard procedures in a context which is familiar; ability to work under guidance but with minimum directive supervision.
NQFU Level 3 Descriptors	<b>Knowledge:</b> Knowledge of facts, principles, processes and general concepts in the field of education and / or professional activity.
	<b>Skills:</b> Performing typical tasks and solving problems by selecting and applying basic methods, tools, materials and information for evaluating the results of tasks in accordance with pre-known criteria.
	<b>Communication:</b> Ability to work effectively in a team of perception of criticism, advice and instructions for the production of detailed oral and written messages, in particular in professional activities.
	<b>Responsibility and autonomy:</b> Responsibility for performing tasks while working or studying adapting their behaviour to external circumstances while performing tasks or solving problems.

## Qualifications Table 6: Qualified Worker's Diploma (Upper/Higher VET diploma)

Qualified Worker Diploma	Диплом кваліфікованого робітника
(Upper/Higher VET diploma)	This qualification is normally taken in a vocational school or other institution at age 17 after completing general secondary education and lasts two to three years.
	It combines vocational and general secondary education. It gives access to HE, VET, or professional awards. Learning outcomes include a broad range of skills that require some theoretical understanding. The outcomes may relate to engaging in a specific activity with the capacity to use the instruments and techniques relating to an occupation.
	Upper/Higher VET programmes are offered by special colleges and institutions which may be dedicated to a particular occupational sector (e.g. agriculture, arts, manufacturing). They may be affiliated to universities.
NOTE on the Diploma	At the end of a programme, students take a vocational competence examination. Since 2020, work has been underway to increase the use of occupational standards and independent assessment. Most diplomas can be awarded "with distinction".
Progression	To technical/professional employment which requires this qualification.
	To HE qualifications. Entry to HE requires a Certificate of Independent External Examination or, since 2022, the results of the National Multi-Subject Test, but this Diploma may offer entrants exemptions or advanced standing at the next stage.
Framework level	NQFU level 4 SCQF level 6
Ukrainian summary for this type of qualification. https:// mon.gov.ua/eng/osvita/ nacionalna-ramka-kvalifikacij	"ability of a person to independently perform complex special purpose manufacturing or learning tasks in a certain field of activity or in the course of study, in particular, in non-standard situations"
Comparable Scottish	Level 6 PDA, SVQ, NPA or National Certificate Award
Award(s) and definition Based on SCQF Employer Levelling Tool 2017	<b>SCQF level 6:</b> ability to organise or adapt their own work or the work of a team to deal with changing circumstances and requirements, within a defined structure of operation.
NQFU Level 4 Descriptors	<b>Knowledge:</b> Empirical and theoretical knowledge in broad contexts and understanding of principles, methods, processes in the field of education and / or professional activity.
	<b>Skills:</b> Performing complex specialised tasks, finding or making decisions on specific problems in the field of professional activity or learning to plan their own work and in a limited context organisation, control, evaluation and adjustment of the work of others.
	<b>Communication:</b> Mentoring, transfer of experience in producing complex detailed oral and written messages, in particular in professional activities or training.
	<b>Responsibility and autonomy:</b> Self-organisation according to rules that exist in work or study contexts and are usually predictable, but may be subject to changes in the supervision of the day-to-day work of others, limited responsibility for evaluating and improving the performance of their work or study.

## **Qualifications Table 7: Junior Specialist's Diploma**

Junior Specialist's Diploma	Диплом молодшого спеціаліста
(Upper/Higher VET)	This qualification was considered to be pre-higher education, but it allowed
Entry to programmes for this qualification was discontinued in 2019.	direct entry to academic or vocational HE qualifications. It can be taken over 2-4 years after lower secondary education (age 15 or over) OR over 1-3 years after completing upper secondary education (age 17 or over).
	It combined vocational and general secondary education and learning outcomes included a broad range of skills that required some theoretical understanding. The outcomes could relate to engaging in a specific activity with the capacity to use the instruments and techniques relating to an occupation.
	Upper VET programmes are offered by special colleges and institutions which may be dedicated to a particular occupational sector (e.g. agriculture, arts, manufacturing) which may be affiliated to universities.
NOTE on the Diploma	At the end of a programme, students take a vocational competence assessment. Since 2020, work has been underway to increase the use of occupational standards and independent assessment. Most diplomas can be awarded "with distinction".
Progression	To employment as junior specialist or manager.
	Intended for entry to the second year of a Bachelor's degree without a Certificate of Independent External Examination.
Framework level	NQFU level 5 SCQF level 7/8
Ukrainian summary for this type of qualification. <u>https://mon.gov.</u> ua/eng/osvita/nacionalna-ramka- kvalifikacij	"ability of a person to independently perform complex special purpose manufacturing or learning tasks in a separate field of professional activity or in the course of study, be responsible for his/her performance and supervise other persons in certain situations"
Comparable Scottish Award(s)	HND
and definition Based on SCQF Employer Levelling Tool 2017	<b>SCQF level 7:</b> ability to complete activities which depend on an understanding of complex processes and systems, to keep abreast of developments in the sector, to base action on evidence and evaluate results, and to manage or supervise the work of others.
	<b>SCQF level 8:</b> ability to exercise considerable independence in relation to given responsibilities, to ensure that work is allocated appropriately to teams and that steps are taken to develop their teams where there are gaps in skills or knowledge.
NQFU Level 5 Descriptors [words in square brackets are interpretations added for this	<b>Knowledge:</b> Comprehensive specialised empirical and theoretical knowledge in the field of education and/or professional [occupational] activity, awareness of the limits of this knowledge.
guide]	<b>Skill:</b> A wide range of cognitive and practical skills needed to solve complex problems in specific areas of professional activity and/or education. Finding creative solutions or answers to clearly defined specific and abstract problems based on data identification and application. Planning, analysis, control, and evaluation of one's own work and the work of others in a specific context.
	<b>Communication:</b> Interaction with colleagues, managers, and clients on issues related to understanding, skills, and activities in the professional [occupational] and/ or educational field. Conveying to a wide range of people (colleagues, managers, clients) one's own understanding, knowledge, judgements, experience, in particular in the field of professional [occupational] activity.
	<b>Responsibility and autonomy:</b> Organisation and supervision (management) in the context of professional activity or education in conditions of unpredictable changes. Improving the results of one's own activities and the work of others. The ability to continue learning with some degree of autonomy.

## **Qualifications Table 8: Professional Junior Bachelor's Diploma**

Professional Junior Bachelor's	Диплом фахового молодшого бакалавра
Diploma Since 2020	This is considered to be an upper/higher VET qualification. It can be taken over 4 years after lower secondary education (age 15 or over) OR over 2 years after completing upper secondary education (age 17 or over). Can be awarded with distinction/honours for "excellent performance".
Duration & ECTS value	2-4 years - 120-240 ECTS credits
Progression	To employment as junior specialist or manager.
	To HE at the level of Junior Bachelor, Bachelor and Master of medical, pharmaceutical or veterinary specialisation.
Framework level	NQFU level 5 SCQF level 7/8
Ukraine EHEA Self- Certification Report <u>https://</u> enic.in.ua/attachments/4all/ Selfcertification%20report.pdf	Levels and qualifications of HE are defined by the Law of Ukraine "On Higher Education". They comply with the relevant cycle of the EHEA qualifications framework.
Ukrainian summary for this type of qualification. <u>https://</u> mon.gov.ua/eng/osvita/ nacionalna-ramka-kvalifikacij	"ability of a person to independently perform complex special purpose manufacturing or learning tasks in a separate field of professional activity or in the course of study, be responsible for his/her performance and supervise other persons in certain situations"
Comparable Scottish Award(s)	HNC/HND
and definition Based on SCQF Employer Levelling Tool 2017	<b>SCQF level 7:</b> ability to complete activities which depend on an understanding of complex processes and systems, to keep abreast of developments in the sector, to base action on evidence and evaluate results, and to manage or supervise the work of others.
	<b>SCQF level 8:</b> ability to exercise considerable independence in relation to given responsibilities, and to ensure that work is allocated appropriately to teams and that steps are taken to develop their teams where there are gaps in skills or knowledge.
NQFU Level 5 Descriptors [words in square brackets are interpretations added for this guide]	<b>Knowledge:</b> Comprehensive specialised empirical and theoretical knowledge in the field of education and/or professional [occupational] activity, awareness of the limits of this knowledge.
	<b>Skill:</b> A wide range of cognitive and practical skills needed to solve complex problems in specific areas of professional activity and/or education. Finding creative solutions or answers to clearly defined specific and abstract problems based on data identification and application. Planning, analysis, control, and evaluation of one's own work and the work of others in a specific context.
	<b>Communication:</b> Interaction with colleagues, managers, and clients on issues related to understanding, skills, and activities in the professional [occupational] and/or educational field. Conveying to a wide range of people (colleagues, managers, clients) one's own understanding, knowledge, judgements, experience, in particular in the field of professional [occupational] activity.
	<b>Responsibility and autonomy:</b> Organisation and supervision (management) in the context of professional activity or education in conditions of unpredictable changes. Improving the results of one's own activities and the work of others. The ability to continue learning with some degree of autonomy.

## **Qualifications Table 9: Junior Bachelor's Diploma**

Junior Bachelor's Diploma	<b>Молодший бакалавру</b> This professional qualification is considered to be a short or initial cycle of HE. It can be taken over 2 or more years from age 17 after completing upper secondary education.
Since 2014	Learning outcomes include a broad range of skills that require some theoretical understanding. The outcomes may relate to engaging in a specific activity with the capacity to use the instruments and techniques relating to an occupation. It can be awarded with distinction/honours.
	VET programmes at this level are offered by special colleges and institutions which may be dedicated to a particular occupational sector (e.g. agriculture, arts, manufacturing) which may be affiliated to universities.
Duration & ECTS value	2 years minimum – 120 ECTS credits
NOTE on relevant legacy diploma	<b>Junior Specialst's Diploma (Диплом молодшого спеціаліста)</b> This qualification was similar in content, duration and progression to the Junior Bachelor's Diploma.
Progression	To employment as junior specialist or manager.
	Directly to HE qualifications. May offer entry to the second year of a Bachelor's Degree.
Framework level	NQFU level 5 SCQF level 7/8
Ukraine EHEA Self- Certification Report https://enic.in.ua/ attachments/4all/ Selfcertification%20 report.pdf	Levels and qualifications of HE are defined by the Law of Ukraine "On Higher Education". They comply with the relevant cycle of the EHEA qualifications framework.
Ukrainian summary for this type of qualification. https:// mon.gov.ua/eng/ osvita/nacionalna- ramka-kvalifikacij	"ability of a person to solve routine special purpose problems in certain field of professional activity or in the course of study, which solution involves the application of postulates and methods of relevant sciences and is characterised by certain ambiguity of conditions, be responsible for his/her performance and supervise other persons in certain situations"
Comparable Scottish Award(s) and definition Based on SCQF	HNC/HND SCQF level 7: ability to complete activities which depend on an understanding of complex processes and systems, to keep abreast of developments in the sector, to base action on evidence and evaluate results, and to manage or supervise the work of others
Employer Levelling Tool 2017	<b>SCQF level 8:</b> ability to exercise considerable independence in relation to given responsibilities, and to ensure that work is allocated appropriately to teams and that steps are taken to develop their teams where there are gaps in skills or knowledge.
NQFU Level 5 Descriptors [words in square brackets are interpretations added for this guide]	<b>Knowledge:</b> Comprehensive specialised empirical and theoretical knowledge in the field of education and/or professional [occupational] activity, awareness of the limits of this knowledge.
	<b>Skill:</b> A wide range of cognitive and practical skills needed to solve complex problems in specific areas of professional activity and/or education. Finding creative solutions or answers to clearly defined specific and abstract problems based on data identification and application. Planning, analysis, control, and evaluation of one's own work and the work of others in a specific context.
	<b>Communication:</b> Interaction with colleagues, managers, and clients on issues related to understanding, skills, and activities in the professional [occupational] and/or educational field. Conveying to a wide range of people (colleagues, managers, clients) one's own understanding, knowledge, judgements, experience, in particular in the field of professional [occupational] activity.
	<b>Responsibility and autonomy:</b> Organisation and supervision (management) in the context of professional activity or education in conditions of unpredictable changes. Improving the results of one's own activities and the work of others. The ability to continue learning with some degree of autonomy.

## Qualifications Table 10: Bachelor's Degree / Bachelor's Degree with honours

Bachelor's Degree / Bachelor's Degree with honours	Диплом бакалавра / Диплом бакалавра з відзнакою
	First cycle HE qualification awarded in line with the requirements of the Bologna Process.
	The content of this degree is typically research or professionally oriented education, depending on the field of study, and sometimes would include a thesis or a project.
Duration & ECTS value	3/4 years minimum – 180-240 ECTS credits
Progression	To professional, technical specialist and junior managerial posts.
	To Master's degree.
Framework level	NQFU level 6 SCQF level 9/10
Ukraine EHEA Self-	Levels and qualifications of HE are defined by the Law of Ukraine "On Higher
Certification Report <u>https://</u> enic.in.ua/attachments/4all/ Selfcertification%20report.pdf	Education". They comply with the relevant cycle of the EHEA qualifications framework.
Ukrainian summary for this type of qualification. <u>https://</u> mon.gov.ua/eng/osvita/ nacionalna-ramka-kvalifikacij	"ability of a person to solve complex special purpose problems and practical challenges in certain field of professional activity or in the course of study, which solution involves the application of certain theories and methods of relevant sciences and is characterised by complexity and ambiguity of
	conditions"
Comparable Scottish Award(s)	Bachelor's Degree / Bachelor's Degree with honours
Based on QAA Frameworks for Higher Education Qualifications 2014	<b>Bachelor's degree:</b> ability to use their knowledge, understanding and skills, in identifying and analysing problems and issues and in formulating, evaluating and applying evidence-based solutions and arguments; and ability to communicate the results of their studies and other work accurately and reliably in a range of different contexts.
	<b>Bachelor's Degree with honours:</b> ability to understand a complex body of knowledge, some of it at the current boundaries of an academic discipline; to exercise analytical techniques and problem-solving skills that can be applied in many types of employment; to evaluate evidence, arguments and assumptions; and to reach sound judgements and communicate them effectively.
NQFU Level 6 Descriptors [words in square brackets are	<b>Knowledge:</b> Conceptual scientific and practical knowledge, critical understanding of theories, principles, methods, and concepts in the field of professional activity and/or education.
interpretations added for this guide]	<b>Skill:</b> In-depth cognitive and practical skills, mastery, and innovation at the level required to solve complex specific tasks and practical problems in the field of professional activity or education.
	<b>Communication:</b> Bringing to specialists and non-specialists information, ideas, problems, solutions, one's own experience and arguments. Data collection, interpretation, and application. Communication on professional issues, including in a foreign language, orally and in writing.
	<b>Responsibility and autonomy</b> : Management of complex technical or professional activities or projects. Ability to take responsibility for producing and making decisions in unpredictable work and/or learning contexts. Formation of judgements that take into account social, scientific, and ethical aspects. Organisation and management of professional development of individuals and groups. Ability to continue learning with a significant degree of autonomy.

## **Qualifications Table 11: Masters Degree**

Master Degree	Диплом магістра
	Second cycle HE qualification awarded in line with the requirements of the Bologna Process.
	Candidates must complete an academic thesis.
Duration & ECTS value	1-2 years
	Professional Master's 90 ECTS credits
	Academic Master's 120 ECTS credits
	Medical, pharmaceutical or veterinary Master's 300-360 ECTS credits
NOTE on relevant legacy	Specialist's Diploma / Диплом спеціаліста
diplomas	Phasing-out completed in session 2021-22.
	This could be a short cycle programme giving entry with a Bachelor's (1-2 years) or a long cycle programmes giving entry with a Certificate of Complete General Secondary Education (4-5 years). The programmes were professionally oriented, but gave full rights for access to Master's programmes, Doctoral studies, or professional employment. The diploma always mentions a professional/occupational field, e.g. civil engineer or English teacher. The content was usually profession or research-oriented or professional education. Final assessment involved state run examinations, possibly with the submission of a thesis.
Progression	To professional and academic posts.
	To Doctoral studies.
Framework level	NQFU level 7 SCQF level 11
Ukraine EHEA Self-Certifica- tion Report <u>https://enic.in.ua/</u> attachments/4all/Selfcertifica- tion%20report.pdf	Levels and qualifications of HE are defined by the Law of Ukraine "On Higher Education". They comply with the relevant cycle of the EHEA qualifications framework.
Ukrainian summary for this type of qualification. <u>https://</u> mon.gov.ua/eng/osvita/nacional- na-ramka-kvalifikacij	"ability of a person to solve complex problems and challenges in certain field of professional activity or in the course of study, which solution involves the conduct of research and/or exercise of innovation and is characterised by ambiguity of conditions and requirements"
Comparable Scottish Award(s) Based on QAA Frameworks for Higher Education Qualifications	<b>Master's Degrees:</b> ability to deal with complex issues both systematically and creatively; to show originality in tackling and solving problems; and to reach sound judgements, take personal responsibility and show initiative in complex and unpredictable professional environments
2014	
NQFU Level 7 Descriptors [words in square brackets are interpretations added for this guide]	<b>Knowledge:</b> Specific conceptual knowledge, which includes modern scientific achievements in the field of professional activity or knowledge and is the basis for original thinking and research, critical understanding of problems in the field and across the fields of knowledge.
	<b>Skill:</b> Specialised problem-solving skills required for research and/or innovation in order to develop new knowledge and procedures. Ability to integrate knowledge and solve complex problems in broad or multidisciplinary contexts. Ability to solve problems in new or unfamiliar environments with availability of incomplete or limited information, taking into account aspects of social and ethical responsibility.
	<b>Communication:</b> Clear and unambiguous communication of one's own knowl- edge, conclusions, and arguments to specialists and non-specialists, in particular to persons who study.
	<b>Responsibility and autonomy:</b> Managing work or learning processes that are complex, unpredictable, and require new strategic approaches. Responsibility for contributing to professional knowledge and practice and/or evaluating the performance of teams. Ability to continue learning with a high degree of autonomy.

## **Qualifications Table 12: Doctoral Degree**

Doctor of Philosophy / Arts	Доктор філософії / мистецтва
	Third cycle HE qualification awarded in line with the requirements of the Bologna Process.
	The qualification is issued by the specialised academic council, after the public defence of a thesis.
Duration & ECTS value	3 years minimum. 180 ECTS credits
Progression	To professional and academic posts.
	To higher doctorates.
Framework level	NQFU level 8 SCQF level 12
Ukraine EHEA Self-Certification Report https://enic.in.ua/attach- ments/4all/Selfcertification%20 report.pdf	Levels and qualifications of HE are defined by the Law of Ukraine "On Higher Education". They comply with the relevant cycle of the EHEA qualifications framework.
Ukrainian summary for this type of qualification. https://mon.gov. ua/eng/osvita/nacionalna-ram- ka-kvalifikacij	"ability of a person to define and solve socially significant systemic issues in a certain branch of activity, that are crucial for ensuring sustainable devel- opment and require that new system-forming knowledge and advanced technologies are created"
Comparable Scottish Award(s)	Doctoral Degree: ability to conceptualise, design and implement projects
Based on QAA Frameworks for Higher Education Qualifications 2014	for the generation of significant new knowledge and/or understanding; to make informed judgements on complex issues in specialist fields; and to show an innovative approach in tackling and solving problems.
NQFU Level 8 Descriptors	<b>Knowledge:</b> Conceptual and methodological knowledge in the field or across the fields of knowledge or professional activity.
[words in square brackets are in- terpretations added for this guide]	<b>Skills:</b> Specialised skills and techniques needed to solve significant prob- lems in the field of professional activity, science, and/or innovation, expan- sion and reassessment of existing knowledge and professional practice. Initiating, planning, implementing, and adjusting a consistent process of sound research with due academic integrity. Critical analysis, evaluation, and synthesis of new and complex ideas.
	<b>Communication:</b> Free communication on issues related to the field of scien- tific and expert knowledge, with colleagues, the wider scientific community, society as a whole. Use of academic Ukrainian and foreign languages in professional activities and research.
	<b>Responsibility and autonomy:</b> Demonstration of significant authority, innovation, high degree of independence, academic and professional integrity, constant commitment to the development of new ideas or processes in the advanced contexts of professional and scientific activities. Ability to carry out continuous self-development and self-improvement.

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