

Higher Education Qualifications Framework

Article 1. Essence and Purpose of Elaboration

1. Higher Education Qualifications Framework is a part of the National Qualifications Framework, providing for systematised qualifications of higher (academic) education existing in Georgia.

2. Higher education qualification is the learning outcome, attainable through successful completion of an academic educational programme and is certified by a diploma, issued by a higher education institution. The higher education qualifications framework ensures the description of higher education qualifications through learning outcomes.

3. Higher qualifications framework aims at:

- a) Description of the interrelation between qualifications existing in the country;
- b) Making the existing qualifications easily understandable for students, employers, and an academic staff;
- c) Assisting higher education institutions in the improvement of existing educational programmes and planning new ones;
- d) Supporting quality assurance internal and external systems and enhancement of the quality of higher education;
- e) Creating the basis for a student-oriented education system;
- f) Ensuring the compatibility and comparability at the international level and promoting the process of recognition of qualifications;
- g) Promoting and supporting student mobility;
- h) Promoting lifelong learning

4. The learning outcomes for each field of study are further specified by a sectoral standard developed on the basis of this document, which describes the competences of a holder of the qualification of relevant cycle and specialty.

Article 2. System of Higher Education

1. The types of higher education institutions in Georgia are as follows:
 - a) College – higher education institution implementing the programmes of only the first cycle of higher academic education;
 - b) Teaching University – higher education institution implementing programme/ programmes of higher education (except for doctoral programmes). A teaching university is required to provide second cycle – Master’s educational programme/ programmes.
 - c) University – higher education institution implementing educational programmes of all three cycles of higher education and research.

2. The status of a higher education institution is acquired through authorisation. A higher education institution can be a legal entity of both public and private law. Accreditation of educational programmes is voluntary.

3. Regulated programmes, teacher training, Georgian language teaching and doctoral educational programmes can be implemented only when the institution concerned is accredited. The state study grants and state Master's study grants are allocated for funding only those educational programmes of a higher education institution, which are accredited. The higher education institutions are authorised and educational programmes are accredited by the Legal Entity of Public Law – National Centre for Educational Quality Enhancement.

4. There are three cycles of higher education in Georgia. The educational programmes are described through the European Credit Transfer System (ECTS).

5. Any person with secondary education is entitled to enrol for the first cycle at a higher education institution. The precondition for the admission to Bachelor's educational programme is the Unified National Examinations. The credit value of a Bachelor's educational programme is at least 240 credits.

6. It is admissible to grant interim qualifications within the framework of the first cycle educational programmes in the case of attainment of learning outcomes set for the relevant part of an educational programme, which should not be less than half amount of credits, envisaged for the educational programme concerned.

7. Teacher training educational programme is a part of Bachelor educational programme or is implemented as an independent programme, being taught for at least one academic year. It covers 60 credits and a right to take this programme is enjoyed by a person having Bachelor's or equalised thereto an academic degree or a relevant arts/sport vocational higher education diploma. A graduate is awarded with a Teacher Training Certificate. An owner of the certificate is entitled to continue his/her studies with Master's 60-credit educational programme.

8. Medical, dentistry and veterinary education is acquired through one-cycle educational programmes, which is equalised to the second cycle according to its learning outcomes. The credit value of the educational programme of a Medical Doctor is 360 credits and that of the educational programme of a Doctor of Dental Medicine / Doctor of Veterinary Medicine – 300 credits.

9. Any person having Bachelor's or equalised thereto an academic degree is entitled to take up an educational programme of the second cycle. Additional admission criteria are set by the higher education institution concerned. Master's educational programme covers at least 120 credits.

10. Any person having Master's or equalised thereto an academic degree is entitled to take up an educational programme of the third cycle. Preconditions for the admission to the programme are set by the higher education institution concerned. A Doctoral educational programme covers at least 180 credits.

11. Holding the unified national and masters examinations are ensured by the Legal Entity of Public Law – National Examinations Centre. Exemptions from general admission rules are allowed only in cases, envisaged by law.

Article 3. Qualifications Descriptor

1. Higher education qualifications descriptor defines the scope of knowledge, skills and values to be attained at a relevant level according to the following six criteria:

- a) Knowledge and understanding
- b) Applying knowledge
- c) Making judgments
- d) Communications skills
- e) Learning skills
- f) Values

2. Based on the National Qualifications Framework and relevant sectoral standard and the mission of the higher educational institution concerning the learning outcomes of a specific educational programme are defined. The learning outcomes of an educational programme, or a study course or a module are described through field-specific and generic competences.

3. The cycles of higher education are described hierarchically according to learning outcomes. Each next cycle of higher education implies the attainment of additional learning outcomes based on those of the previous cycle.

4. The learning outcomes of the first cycle of higher education and a short cycle within the first cycle of higher education are based on the learning outcomes of general secondary education.

5. Learning outcomes relevant to the short cycle within the first cycle of higher education are as follows:

a) Knowledge and understanding – comprehensive and/or specialized theoretical and practical knowledge of the field of study; understanding of the possibilities (scope) of professional activities;

b) Applying Knowledge – ability to use a wide range of cognitive and practical skills for creative solution of abstract problems;

c) Making judgments – Ability to identify clearly defined problems; ability to identify and analyse relevant data for their solution using standard methods, also the ability to make sound judgements;

d) Communication skills – ability to communicate ideas and information structurally and coherently to specialists and non-specialists using qualitative and quantitative data; ability to comprehensively use modern information and communication technologies; ability to communicate field related information and make presentations in a foreign language.

e) Learning skills – ability to define own learning needs in different and unpredictable situations;

f) Values – Ability to evaluate and share own and others' attitude towards values, characteristic for professional activity.

6. Learning outcomes relevant to the first cycle of higher education are as follows:

a) Knowledge and understanding – Advanced knowledge of the field of study, including critical analysis of theories and principles; understanding of complex matters of the field of study;

b) Applying knowledge – Ability to use field specific methods and also certain selected methods for the solution of problems; ability to carry out research and practical projects under predetermined directions;

c) Making judgments – Ability to select and interpret field specific data, also to analyse abstract data and/or situations using standards and certain selected methods, ability to make sound judgement;

d) Communication skills – Ability to prepare a detailed written report on ideas, current problems and solutions to them and to communicate information orally to specialists and non-specialists in the Georgian and foreign languages; ability to creatively use modern information and communication technologies;

e) Learning skills – Ability to evaluate own learning process in a coherent and comprehensive manner; ability to identify further learning needs;

f) Values – Ability to participate in the formation of values and strive for their establishment.

7. Learning outcomes relevant to the second cycle of higher education are as follows:

a) Knowledge and understanding – Advanced and systemic knowledge of the field of study, which allows for the generation of new, original ideas, understanding solutions to certain problems;

b) Applying knowledge– Ability to act in a new, unpredictable and multidisciplinary environment; ability to search for new, original methods of solution for complex problems, amongst them, using the most recent methods and approaches;

c) Making judgments – Ability to make judgements on the basis of critical analysis of complex and incomplete information (including recent researches); ability to synthesise innovatively based on recent data;

d) Communication skills – Ability to communicate own judgements, arguments and research methods to academic and professional community in the Georgian and foreign languages, with due consideration of the academic integrity standards and recent developments in the field of information and communication technologies;

e) Learning skills – Ability to independently manage the learning process, to understand the specificities of the learning process and make strategic plans a high level;

f) Values – Ability to evaluate own and others' attitude towards values and contribute to the establishment of new ones;

8. Learning outcomes relevant to the third cycle of higher education are as follows:

a) Knowledge and understanding – Knowledge based on the most recent developments of a field/sub-field of study or an interdisciplinary field, what allows for further expansion of the existing knowledge and use of innovative methods (at the level of standards required for referable publications); understanding of the renewed scope of knowledge through re-analysis and partial re-evaluation of the existing knowledge;

b) Applying Knowledge – Ability to independently plan, carry out and supervise innovative research; ability to develop new research and analytical methods and approaches, which are oriented on the creation of new knowledge and are reflected in international reference publications;

c) Making judgments – Ability to critically analyse new, complex and controversial ideas and approaches, what promotes the development/enhancement of new methods; ability to independently make correct and efficient decisions for the solution of problems;

d) Communication skills – Ability to clearly and soundly demonstrate new knowledge in conjunction with the new one; also the ability to engage in thematic debates with international scientific community in a foreign language;

e) Learning skills – Readiness to further develop new ideas or processes stemming from knowledge, that is based on recent developments in the course of learning and professional activity, amongst them, in the course of research;

f) Values – Ability to research the ways of establishing values and develop innovative methods for their establishment.

9. Qualifications descriptor may be further specified or detailed through a respective sectoral document.

Article 4. Awarded Qualifications

1. The title of a qualification of the short cycle within the first cycle educational programme includes the term “Interim Qualification” together with the specification of the direction or/and field/specialty.

2. The title of a qualification of the first cycle educational programme includes the term “Bachelor” together with the specification of the direction or/and field/specialty. A student is entitled to combine major (at least 120 credits) and minor (60 credits desirable) specialties in the following manner:

- Major and free components;
- Major, minor and free components;
- Major and two minors.

3. The title of a qualification of the second cycle educational programme includes the term “Master” together with the specification of the direction, field/specialty or/and sub-field/sub-specialty. A Master’s programme includes a teaching component and qualification thesis prepared on the basis of independent research. It is desirable for a master’s programme to include practical components as well.

4. The title of a qualification of the third cycle educational programme includes the term “Doctor” together with the specification of the direction or/and field/specialty. A doctoral educational programme includes learning and practical components. It is completed by the development and public defence of a qualification thesis prepared on the basis of independent research.

5. A regulated educational programme is oriented on training a student for relevant regulated profession. At least 75% of an educational programme is allocated for the development of competences that are necessary for a regulated profession.

List of Directions, Field/Specialties, Sub-fields/Specializations and Professional Specialisations

| Direction | Field/Specialty | Subfield/Specialisation | Professional Specialisation |
|-------------------|----------------------------|--|---|
| 01. Agricultural- | 0101 Agricultural Sciences | 010101 Agricultural ecology 010102 Agricultural chemistry / Soil science 010103 Agrotechnology 010104 Agrobiotechnology 010105 Plant selection-genetics 010106 Plant protection 010107 Fruit, vegetable and vine growing technique 010108 Technology of medicinal herb growing 010109 Organic Agriculture 010110 Technology of silkworm growing | 010151 Silkworm breeder 010152 Gardener (of decorative plants) 010153 Market-gardener 010154 Viticulturist 010155 Plant grower 010156 Tea grower 010157 Fruit grower 010158 (Medicinal, aromatic) Plant processor 010159 Plant protection engineer 010160 Foodstuff producer 010161 Land-reclamation specialist (soil-conservation specialist, water-conservation specialist) 010162 Pesticides and Agro-chemicals engineer 010163 Glass-house specialist |
| | 0102 Veterinary | 010201 Certified Veterinarian (one-cycle) | 010251 Veterinary treatment specialist (of petty animals: dogs, cats, etc; farm animals and poultry; exotic animals, birds and fish, etc.) |
| | 0103 Animal husbandry | 010301 Merchandising of animal husbandry products and raw materials 010302 Breeding of farm animals 010303 Feeding of farm animals 010304 Ichthyology 010305 Production of animal husbandry products | 010351 Cynologist 010352 Zootechnician (horse breeding, sheep breeding, rabbit-breeding, etc.) 010353 Apiarist 010354 Fish farmer 010355 Fisher 010356 Artificial insemination engineer 010357 Incubation operator 010358 Pre-processor of animal |

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| | | | <p>husbandry raw materials</p> <p>010359 Animal feeding operator</p> <p>010360 Horse-breaker (horse riding master)</p> <p>010361 Specialist for looking after animals</p> |
| | 0104 Foodstuff Technology | <p>010401 Food processing and preservation technology</p> <p>010402 (Alcoholic, soft)Drinks Technology</p> <p>010403 Food safety</p> <p>010404 Boiling production biotechnology</p> <p>010405 Technology of procession of subtropical cultures</p> | <p>010451 Pre-processor of fruit and vegetables</p> <p>010452 Fish-processor</p> <p>010453 Milk processor</p> <p>010454 Processor of Bakery foods</p> <p>010455 Processor of meat products</p> <p>010456 Cheese-maker</p> <p>010457 Plant processor</p> <p>010458 Sugar-maker</p> <p>010459 Wine-maker</p> <p>010460 Beer and soft drink maker</p> <p>020461 Taster (of wine, tea, etc.)</p> <p>020462 Confectioner</p> <p>020463 Cook</p> <p>020464 Baker</p> |
| | 0105 Forestry | <p>010501 Forestry</p> <p>010502 Forest ecology</p> <p>010503 Hunting</p> <p>010504 Forest husbandry</p> | <p>010551 Forester (woodcutter, taxator)</p> <p>010552 Forest ranger</p> <p>010553 Forest husbandry technician</p> <p>010554 Forest pathologist-technician</p> <p>010555 Hunter</p> |
| Direction | Field/Specialty | Subfield/Subspecialty | Professional Qualification |
| 02. Business Administration | 0201 Accounting | <p>020101 Financial accounting and control</p> <p>020102 Audit</p> <p>020103 Taxation</p> <p>020104 Management accounting and internal control</p> | <p>020151 Accountant</p> <p>020152 Cashier (bank, etc.)</p> <p>020153 Auditor assistant</p> |

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| | 0202 Marketing | 020201 International marketing 020202 Marketing survey 020203 Sales management 020204 Publicity and public relations | 020251 Commercial Agent 020252 Trade broker (real estate, etc.) 020253 Publicity agent 020254 Insurance agent 020255 Shop assistant |
| | 0203 Management | 020301 Tourism and hospitality management 020302 Art management 020303 Healthcare management 020304 Pharmacy management 020305 Agribusiness management 020306 Education management 020307 International business management 020308 IT management 020309 Mining and Geology management 020310 Technologies management 020311 Hydraulic engineering construction management 020312 Construction management 020313 Transport management 020314 Energy management 020315 Media management 020316 Logistics and forwarding 020317 Real estate administration 020318 Business communications management 020319 Telecommunications management 020320 Innovations management 020321 Production and operations management 020322 Human resources management 020323 Mechanical engineering management 020324 Chemical and food production management 020325 Metallurgy management 020326 Small business management | 020351 Procurement agent 020352 Customs clearance agent 020353 Customs representative 020354 Carrier (Forwarder) 020355 Flight-attendant/steward 020356 Office-manager (secretary-advisor) 020357 Event organizer 020358 Human resources manager 020359 Clerk 020360 Small business manager 020361 Agricultural business manager 020362 TV-radio producer |

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| | | 020327 Project management 020328 Air transport management 020329 Biological resources management 020330 Sports management | |
| | 0204 Finances | 020401 Banking 020402 Corporate finances and management 020403 Financial management of projects 020404 International Finances 020405 Investments and financial portfolio management 020406 Financial analysis and forecasting 020407 Management of financial instruments 020408 Risk management 020409 Insurance | 020451 (Securities) Broker 020452 (Securities) Dealer 020453 Assessor/Appraiser 020454 Bank operator |
| | 0205 Tourism | 020501 Nature tourism and preserved territories 020502 Ecotourism 020503 Cultural tourism 020504 Medicinal tourism and report business 020505 Recreational tourism 020506 Agro tourism | 020551 Guide (Geotourism, etc.) 020552 Tour operator (agro-, eco-, etc. operator) 020553 Hotel manager 020554 Restaurant manager 020555 Receptionist 020556 Bartender 020357 Waiter |
| Direction | Field/Specialty | Subfield/Subspecialty | Professional Qualification |
| 03. Education | 0301 Education Sciences | 030101 Education psychology 030102 Education sociology 030103 Education policy 030104 Intercultural Education 030105 Adult Education 030106 Inclusive Education 030107 Education researches | |
| | 0302 Teacher Education | 030201 Methods of teaching a discipline / group of disciplines 030202 Pedagogy of primary education | 030251 (Kindergarten) teacher 030252 Assistant-instructor of |

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| | | | handicapped people 030253 Driving teacher |
| Direction | Field/Specialty | Subfield/Subspecialty | Professional Qualification |
| 04. Engineering | 0401 Computing/Informatics | 040101 Information technologies 040102 Information systems 040103 Computer engineering 040104 Computer sciences 040105 Program engineering 040106 Interdisciplinary informatics 040107 Computing sciences | 040151 Internet engineer (web-specialist) 040152 Computer graphic artist 040153 IT engineer (Office software engineer) 040154 Computer network and system engineer 040155 Software developer |
| | 0402 Telecommunications | | 040251 Telecommunications network assembling and system exploitation operator 040252 Radio-television system maintenance and exploitation operator 040253 Telecommunications technician |
| | 0403 Instrument-making, automation and control systems | 040301 Automation and control systems 040302 Biomedical engineering 040303 Measurement appliances, quality control and assurance appliances | 040351 Engineer of bio-medical appliances 040352 Microprocessor equipment engineer 040353 Engineer of measurement appliances 040354 Engineer of automation and control systems 040355 Engineer of mobile-communication appliances |
| | 0404 Engineering physics | 040401 Microelectronics and optoelectronics 040402 Physical and technical analysis 040403 Diagnostics of materials and structures 040404 Nanotechnology | 040451 Engineer of microelectronics and optoelectronics technologies and equipment |
| | 0405 Energy and power engineering | 040501 Heat-and-power engineering | 040551 Gas-fuel station operator |

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| | | <p>040502 Hydro-power engineering 040503 Power engineering 040504 Electrical engineering and industrial electronics 040505 Electrical mechanics</p> | <p>040552 Thermolectric power station boiler and measurement-controlling equipment operator 040553 Heating engineer 040554 Hydro-power and pumping station operator 040555 Hydro-power engineering equipment and pipeline system operator-fitter 040556 Dispatching equipment and automatic machinery specialist 040557 Electrician 040558 Relay and blocking automatic machinery engineer 040559 Diagnostician-repairer of electronic and digital appliances 040560 Fibre-optic cable network administration engineer 040561 Electric drive and power supply equipment specialist 040562 Mechanical electrician 040563 Power engineering specialist-fitter 040564 Technician of a power engineering centre 040565 Steam generator and combined tube service operator</p> |
| | 0406 Construction | <p>040601 Civil and industrial engineering 040602 Fluvial hydraulic engineering 040603 Hydraulic construction of hydro-power stations 040604 Construction of sea facilities 040605 Construction technology 040606 Construction materials 040607 Soil mechanics and foundations 040608 Bridge and tunnel construction 040609 Railway construction</p> | <p>040651 Site engineer 040652 Brick-layer 040653 Plasterer 040654 Tile-layer 040655 Painter 040656 Insulator 040657 Manufacturer and fitter of plastic-metal and aluminum doors and windows 040658 Metal and soft roof tile layer</p> |

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| | | <p>040610 Motorway and airdrome construction</p> <p>040611 Water supply and water discharge</p> <p>040612 Testing of construction and technical expertise</p> <p>040613 Computer designing in construction</p> <p>040614 Air heating and ventilation</p> <p>040615 Construction and exploitation of airports</p> | <p>040659 reinforced concretor (fitter, molder, concretor)</p> <p>040660 Building elements assembler</p> <p>040661 Border layer and paver</p> <p>040662 Drainage system specialist</p> <p>040663 Carpenter</p> <p>040664 Floor layer</p> <p>040665 Gypsum plasterboard specialist</p> <p>040666 Builder of surface and underground transport facilities</p> <p>040667 Railway layer</p> <p>040668 Builder-engineer of motorways and airdromes</p> <p>040669 hydraulic engineer</p> <p>040670 Water supply and water discharge engineer</p> <p>040671 Computer engineering (AutoCad) operator</p> <p>040672 Air heating and ventilation engineer</p> <p>040673 Gas supply system fitter</p> <p>040674 Heating and hot-water supply system fitter</p> <p>040675 Air heating and ventilation system fitter</p> <p>040676 Sanitary engineer-fitter</p> <p>040677 Hydraulics engineer</p> <p>040678 Airport construction engineer</p> |
| | 0407 Transport | <p>040701 Motorway transport</p> <p>040702 Railway transport</p> <p>040703 Special purpose transport</p> <p>040704 Transport logistics</p> | <p>040751 Driver-forwarder</p> <p>040752 Electrician of railway power supply economy</p> <p>040753 Electrician of railway rolling stock park</p> <p>040754 Railway forwarder</p> <p>040755 Alarm, centralization and blocking engineer</p> <p>040756 wagon depot mechanical</p> |

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| | | | <p>engineer 040757 Engine driver 040758 Navigator 040759 flight engineer (flight mechanic, flight operator) 040760 Aircraft radio operator 040761 Radio-navigation engineer 040762 Belt conveyor and escalator operator 040763 Operator of railways servicing machinery 040764 Cable ways operator 040765 Assembler and repairer of cable ways 040766 Logistics operator at carrier companies 040767 Motorcar repairer electrician 040768 Motor-vehicle diagnostician 040769 Chassis technician 040770 Engine repairer 040771 Tinsmith-painter 040772 Motor-vehicle locksmith 040773 Car driver (of various classes) 040774 Excavator driver 040775 Hoisting crane operator 040776 Electric locomotive driver</p> |
| | 0408 Mechanics engineering and technology | <p>040801 Car building technology 040802 Machinery mechanics, Technological machinery and automated complexes 040803 Mechatronics 040804 Designing and production of aircrafts 040805 Designing and production of motorcars and tractors 040806 Lifting-transport, building and road-building machinery</p> | <p>040851 Locksmith 040852 Machine-operator 040853 Mechanical engineer 040854 construction-road railroad machinery and appliances technician 040855 agricultural appliances technician 040856 Aircraft mechanic 040857 Parachute and emergency rescue equipment</p> |

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| | | | 040858 Aviation armament mechanic |
| | 0409 Industrial engineering and technology | 040901 Publishing and polygraphic technologies 040902 Timber materials processing and production technique and technologies 040903 Food industry technological equipment 040904 Light industry machinery, production design and technology 040905 Refrigerating machinery and technology | 040851 Polygraphist (imposer, printer, binder, colour separator, etc.) 040852 Joiner 040853 Technician of wood production-procession industry 040854 Food industry machinery operator 040855 Refrigerator equipment engineer 040856 Furniture-maker 040857 Tanner, leather garment chemical cleaning and dyeing specialist 040858 Industrial engineering specialist |
| | 0410 Chemical and biological engineering | 041001 Chemical technology 041002 Biological technology 041003 Food production engineering 041004 Oil and gas refinery technology 041005 Technology of pharmaceutical preparations 041006 Perfumery and cosmetic production engineering | 041051 Bacteriological laboratory assistant 041052 Laboratory assistant for chemical analysis of substances and materials 041053 Galvanizer operator 041054 Sorter inspector of glass and ceramics items 041055 Decorative glazer 041056 Plastic caster 041057 Expert of chemical and food products 041058 Operator of chemical industry 041059 Food production specialist 041060 Pharmaceuticals production specialist 041061 Perfumery and cosmetics production specialist 041062 Oil and gas refining specialist 041063 Biotechnological production specialist 041064 Chemical production specialist |
| | 0411 Metallurgy | 041101 Metallurgy of ferrous and non-ferrous metals | 041151 Caster |

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| | | | 041152 Furnace-operator 041153 Processor of non-ferrous metals |
| | 0412 Materials Science | 041201 Physical metallurgy and Metal processing technologies 041202 Non-metal materials and technologies 041203 Composite materials and technologies 041204 Welding technologies 041205 Nano-materials | 041251 Metal caster 041252 Artistic handler of metals 041253 Engraver 041254 Incrustation specialist 041255 Damascening specialist 041256 Household filigree item specialist 041257 Sheet metal stamping specialist 041258 Specialist of thermal and chemical-thermal treatment of metals 041250 Specialist of pressure treatment of metals 041260 Tension wire specialist 041261 Chaser 041262 Roller 041263 Blacksmith 041264 Physical metallurgist, quality control specialist 041265 Moulder 041266 Artistic and jewellery casting specialist 041267 Precise casting specialist 041268 Caster of casting alloys 041269 Casting quality controller 041270 Glazing specialist 041271 Specialist of products made through sintering 041272 Welder 041273 Metal product testing specialist |
| | 0413 Environmental engineering and Safety | 041301 Engineering ecology 041302 Water engineering 041303 Engineering hydro-ecology 041304 Labour protection and safety engineering 041305 Management of urgent cases | 041351 Environmental engineer 041351 Foodstuff ecology specialist 041352 Food ecology control specialist 041353 Gas equipment safety specialist 041354 Metal cutting and welding safety specialist |

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| | | | <p>041355 Machinery building industry safety specialist</p> <p>041356 Metallurgy industry safety specialist</p> <p>041357 Chemical and foodstuff industry safety specialist</p> <p>041358 Construction industry safety specialist</p> <p>041359 Mining equipment exploitation, repair safety specialist</p> <p>041360 Transport equipment industry safety specialist</p> <p>041361 Hydroecology engineering specialist</p> <p>041362 Production safety specialist</p> <p>041363 Mining equipment safety specialist</p> |
| | 0414 Mining and geo-engineering | <p>041401 Mining</p> <p>041402 Oil and gas extraction, transportation and storage technique and technologies</p> <p>041403 Engineering geology</p> <p>041404 Engineering geodesy and mine survey</p> | <p>041451 Exploder</p> <p>041452 Tunnel engineer</p> <p>041453 Solid mineral concentration technology specialist</p> <p>041454 Open mining specialist</p> <p>041455 Mining electrical engineer</p> <p>041456 Specialist of treatment of carving stones</p> <p>041457 Specialist of drilling solutions</p> <p>041458 Operator of oil, gas and thermal water extraction wells</p> <p>041459 Mine surveyor</p> <p>041460 Subsurface works technician</p> <p>041461 Mining technician</p> <p>041462 Technician geologist</p> <p>041463 Oil and gas equipment technician</p> <p>041464 Cleaning works technician</p> <p>041465 Well drilling technique and</p> |

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| | | | technologies' specialist 041465 Technician geologist of solid minerals |
| | 0415 Agricultural engineering | 041501 Agriculture Electrification 041502 Agriculture mechanisation 041503 Agricultural water conservation | 041551 Tractor driver 041552 Melioration and drainage system technician 041553 Agriculture equipment mechanic 041554 Agriculture water supply technician 041555 Agricultural appliances electrician |
| | 0416 Air transport exploitation | 041601 Flight exploitation of air transport 041602 Technical exploitation of air transport | 041651 Pilot 041652 Flight operator 041653 Flight radio operator 041654 Aircraft and engine maintenance mechanic 041655 Aircraft avionic and electrical system maintenance mechanic 041656 Aircraft radio equipment mechanic 041657 Flight securing radio-navigation equipment maintenance mechanic 041658 Flight securing radiolocation equipment maintenance mechanic 041659 Air traffic control equipment mechanic 041660 Lubricant material storage, transportation and incorporation mechanic 041661 Airport mechanisation and automation media maintenance mechanic 041662 Flight light and electrical security system mechanic |
| Direction | Field/Specialty | Subfield/Subspecialty | Professional Qualification |
| 05. Science / Natural | 0501 Mathematics | 050101 Pure Mathematics | |

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| Sciences | | 050102 Applied mathematics | |
| | 0502 Physics | 050201 Theoretical physics 050202 Experimental physics 050203 Astronomy 050204 Nanophysics 050205 Radio-physics 050206 Micro-and Nano-electronics 050207 Applier electrodynamics 050208 Physics of non-linear phenomena 050209 Geophysics 050210 (Elementary) particle physics 050211 Fundamental physics 050212 Applied physics 050213 Condensed matter physics 050214 Astrophysics 050215 Nuclear physics 050216 Atomic physics 050217 Solid-state physics 050218 Plasma physics 050219 Optics 050220 Radio engineering and electrical engineering 050221 Laser physics 050222 Hydro-physics 050223 Wave physics 050224 Statistic physics and thermodynamics | 050251 Physical and mechanical analyst (lab assistant) 050252 Spectral analyst 050253 Ultrasound engineer 050254 Dosimetrist 050255 Astronomer-observer 050256 Engineering geophysicist 050257 Hydrology engineer 050258 Radiometrist 050259 Radiolocation engineer |
| | 0503 Chemistry | 050301 Inorganic chemistry 050302 Organic chemistry 050303 Physical and analytical chemistry 050304 Polymeric materials 050305 Chemical analysis 050306 Chemistry of macromolecules 050307 Bioorganic chemistry 050308 Biophysical chemistry | |
| | 0504 Biology / Life Sciences | 050401 Morphology (Cytology, Histology, Anatomy) | 050451 Bioengineer |

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| | | 050402 Biodiversity 050403 Evolution Biology 050404 Physiology (plant, human, animal) 050405 Zoology 050406 Botany 050407 Microbiology 050408 Applied biosciences (biotechnologies) 050409 Neurosciences 050410 Immunology 050411 Molecular biology 050412 Virology 050413 Biochemistry 050414 Cell biology 050415 Development biology 050416 Genetics 050417 Hydrobiology 050418 Biological testing 050419 Biogeography | |
| | 0505 Geography | 050501 Hydrology 050502 Meteorology 050503 Physical geography 050504 Geomorphology 050505 Cartography | 050551 Engineering cartographer 050552 Topographer 050553 Engineering hydro-meteorologist |
| | 0506 Geology | 050601 Petrology and volcanology 050602 Geology of ores and deposits 050603 Palaeontology 050604 Stratigraphy 050605 Regional geology 050606 Prospecting geophysics 050607 Mineralogy | |
| | 0507 Interdisciplinary Natural Sciences | 050701 Biophysics | |
| Direction | Field/Specialty | Subfield/Subspecialty | Professional Qualification |
| 07. Law | 0601 Science of Law | 060101 History and philosophy of law 060102 Roman law | |

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| | | 060105 Canon Law | |
| | 0602 International Law | 060201 Humanitarian law 060202 Law of Seas 060203 International human rights law 060204 International contract law | |
| | 0603 Private/Business Law | 060301 Contractual law 060302 Bank law 060303 Insurance law 060304 Company law 060305 Securities law 060306 Labour law 060307 Consumer law 060308 Bankruptcy law 060309 Competition law 060310 Intellectual property law | |
| | 0604 Criminal law | 060401 Forensics 060402 International criminal law | 0604051 Forensic expert (photo-fingerprint expert) |
| | 0605 Public law | 060501 Constitutional law 060502 Human rights law 060503 Administrative law 060504 Education law 060505 Tax law 060506 Health law 060507 Municipal law | |
| Direction | Field/Specialty | Subfield/Subspecialty | Professional Qualification |
| 08. Social Sciences | 0701 Economics | 070101 Economic policy 070102 Macroeconomics 070103 Microeconomics 070104 International economics 070105 Econometrics | |
| | 0702 Political sciences | 070201 Comparative policy | |

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| | | 070202 Nationalism and ethnics research 070203 Conflict settlement science 070204 Security studies | |
| | 0703 Mass media/ Journalism | 070301 Media surveys 070302 Public relations | 0703051 TV and radio reporter 0703052 Photo reporter 0703053 Correspondent 0703054 News operator-cutter |
| | 0704 Public geography | | |
| | 0705 International relations | | |
| | 0706 Sociology | 070601 Media communications sociology 070602 Social sciences' research methods 070603 Gender studies 070604 Social and cultural studies 070605 Demography | |
| | 0707 Psychology | 070701 labour and organization psychology 070702 Children and adult psychology 070703 Psycho-diagnosing and advice 070704 Development psychology 070705 Social psychology 070706 Political psychology 070707 Culture psychology 070708 Sport psychology 070709 Clinical psychology 070710 Health psychology 070711 Human psychology 070712 Mood psychology 070713 Education psychology 070714 Psychometry | |
| | 0708 Cultural heritage | 070801 Museum studies 070802 Library studies 070803 Rarities studies 070804 Manuscript studies | 081051 Registrar 081052 Librarian 081053 Preparation specialist 081054 Exhibits conveyer |
| Direction | Field/Specialty | Subfield/Subspecialty | Professional Qualification |
| 09. Fine Arts | 0801 Audiovisual arts | 080101 Photography | 080151 TV-film director |

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| | | <p>080102 Cinema (feature, documentary, clip directing, sound directing, animation directing, cameramanship, film-cutting art)</p> <p>080103 Television (TV directing, TV cameramanship, TV montage art)</p> <p>080104 Dramatic art (TV-, film-, theatre-)</p> <p>080105 Staging art</p> <p>080106 Cameraman art</p> <p>080107 Sound directing</p> <p>080108 Artistic photography</p> <p>080109 Choreography</p> | <p>080152 TV-film photography director</p> <p>080153 Sound director/technician</p> <p>080154 Editor (film-cutter, audio-visual image specialist)</p> <p>080155 Projectionist</p> <p>080156 Sound decorator</p> <p>080157 Photographer</p> <p>080158 Animator (circus-variety, illusionist)</p> |
| | 0802 Media art | <p>080201 Digital modelling and designing</p> <p>080202 Multimedia design</p> <p>080203 Digital and artistic animation</p> <p>080204 Graphical design</p> <p>080205 Visual communication</p> | <p>080251 Visual image designer</p> <p>080252 Animator</p> |
| | 0803 Design | <p>080301 Studio pottery</p> <p>080302 Glass design</p> <p>080303 Textile design</p> <p>080304 Industrial design</p> <p>080305 Wood-carving and furniture design</p> <p>080306 Fashion design</p> <p>080307 Jewellery and other materials design</p> | <p>080351 Stage designer</p> <p>080352 Event designer</p> <p>080353 Metal decorator</p> <p>080354 Artistic smith forging</p> <p>080355 Chaser</p> <p>080356 Enamel designer</p> <p>080357 Jeweller</p> <p>080358 Stained-glass-maker</p> <p>080359 Specialist of decorative-applied textile</p> <p>080360 Garment designer</p> <p>080361 National garment designer</p> <p>080362 Embroiderer</p> <p>080363 Knitter (textile, etc.)</p> <p>080364 Felt designer</p> <p>080365 Ceramics specialist</p> <p>080366 Shoe Leather and accessories designer</p> |

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| | | | 080367 Wood carver 080368 Stylist/Hairdresser (women, men) 080369 Visagiste (decorative cosmetology) 080370 Manicure and pedicure specialist 080371 TV and cinema decorator 080372 Performance still designer 080373 Interior computer designer 080374 Decorator 080375 Furniture designer 080376 Stone and other material carver 080377 Garment art designer |
| | 0804 Dramatic art | 080401 Direction (drama, musical theatre, pantomime, puppet-show) 080402 Acting technique 080403 Stage speech culture 080404 Scenography | 080451 Stage machine operator 080452 Make-up specialist 080453 Ligher 080454 Mass event director 080455 Theatre decorator-technician 080456 Drama director-tutor |
| | 0805 Musical art | 080501 Composition 080502 Academic chorus conducting 080503 Choir and folklore chorus conducting 080504 Symphony orchestra conducting 080505 Orchestra wind and dram instruments 080506 Solo academic singing /vocal art 080507 Keyboard instruments 080508 Orchestra string instruments 080509 Music theory | 080551 Variety singer 080552 Jazz music performer (instrumentalist, vocalist) 080553 Performer-illustrator (concertmaster) 080554 Regent 080555 Vocal ensemble and chorus singer 080556 Musician-tutor 080557 Repairer of musical instruments |
| | 0806 Fine arts | 080601 Painting 080602 Sculpture 080603 Graphic arts | 080651 Painter-performer 080652 Painter-property-man 080653 Painter-decorator |

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| | | 080604 Theatre painting 080605 Film-TV painting 080606 Monumental painting 080607 Multiplication 080608 Visual art | 080654 Plastic arts specialist 080655 Modeler (of architectural elements) 080656 Graphic art technician |
| | 0807 Choreography | | 080751 Dance teacher 080752 Dancer 080753 Organizer of an amateur dance troupe |
| Direction | Field/Specialty | Subfield/Subspecialty | Professional Qualification |
| 09. Healthcare | 0901 Medicine | 090101 Certified physician (one-cycle) | 090151 Operator of medical and pharmaceutical appliances 090152 Optician 090153 Medical cosmetologist |
| | 0902 Dentistry | 090201 Certified dentist (one-cycle) | 090251 Dentist |
| | 0903 Pharmacy | 090301 Industrial pharmacy 090302 Pharmaceutical analysis 090303 Pharmaceutical cosmetology and perfumery 090304 Veterinary pharmacy 090305 Biopharmacy | 090351 Pharmacist's assistant |
| | 0904 Public Health | 090401 Environmental medicine 090402 Epidemiology 090403 Medical ecology 090404 Health promotion 090405 Public health and healthcare policy | |
| | 0905 Nursing (nurse/midwife) | | 090651 Nurse, Geriatrics |
| | 0905 Physical medicine and rehabilitation | 090501 Cardiopulmonary rehabilitation 090502 Paediatric rehabilitation 090503 Rehabilitation of damaged cerebrum 090504 Rehabilitation of damaged spinal | 090551 Masseur 090552 Acupuncturist 090553 Prosthetist 090554 Beauty therapy (Spa) |

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| | | cord 090505 Pain medicine 090506 Hospice and palliative medicine 090507 Sporting rehabilitation 090508 Physical therapy 090509 Kinesitherapy 090510 Posttraumatic rehabilitation 090511 Ridetherapy | 090555 Cosmetologist |
| | 0906 Occupational Therapy | | |
| Direction | Field/Specialty | Subfield/Subspecialty | Professional Qualification |
| 10. Humanities | 1001 Archaeology | | |
| | 1002 Ethnology | | |
| | 1003 Theology | | |
| | 1004 History | 100401 History of Georgia 100402 World history 100403 Ancient history 100404 Medieval history 100405 New and newest history 100406 Ancient East history 100407 Antic history 100408 New and newest history of Europe and America 100409 History of Near East 100410 History of Far East 100411 History of Christianity | |
| | 1105 Philology | 100501 Georgian philology 100502 English philology 100503 German philology 100504 French philology 100505 Spanish philology 100506 Italian philology | |

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| | | 100507 Russian philology 100508 Scandinavian philology 100509 Classical philology 100510 Byzantine philology 100511 New Greek philology 100512 Yiddish-Aramaic philology 100513 Arabic philology 100514 Turkish philology 100515 Persian philology 100516 Linguistics 100517 Comparative linguistics 100518 Georgian linguistics 100519 Lexicography 100520 Theory of literature and comparative study of literature 100521 Translation studies 100522 History of Georgian literature 100523 Abkhazian philology | |
| | 1106 Philosophy | 100601 Culture philosophy 100602 Policy philosophy 100603 Religion philosophy 100604 Metaphysics and Epistemology 100605 Philosophical anthropology 100606 Language philosophy 100607 Science philosophy 100608 Logic 100609 Aesthetics 100610 Philosophy of morality and applied ethics 100611 History of philosophy | |
| | 1107 Fine Arts/History and theory of fine arts | 100701 Theatre science 100702 Cinema science 100703 Choreology 100704 Musicology | |

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| | | 100705 Ethnomusicology 100706 Clerical musicology 100707 History and theory of architecture and visual art | |
| Direction | Field/Specialty | Subfield/Subspecialty | Professional Qualification |
| 11. Interdisciplinary fields or specialties | 1101 Architecture | 110101 Construction architecture and urban planning 110102 Interior and design 110103 Landscape architecture | 110151 Architect-engineer (graphic artist) 110152 Model-maker |
| | 1102 Ecology / Environmental studies | 110201 Applied ecology 110202 Preservation biology 110203 Environmental protection 110204 Nature management 110205 Nature planning | |
| | 1103 Culture Studies | | |
| | 1104 Region studies, amongst them with relevant modification of a sub-field/specialisation | 110401 Eastern studies 110402 American studies 110403 Assyrian studies 110404 British studies 110405 European studies 110406 Caucasian studies 110407 East European studies 110408 Ukrainian studies 110409 Slavic studies 110410 Iranistics/Iranian studies 110411 Arabistics/Arabian studies 110412 Turkish studies 110413 Polonistics 110414 Russian studies 110415 Georgian studies (foreign-language programme: Georgian studies/Kartvelian studies) | |

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| | | 110416 Armenian studies 110417 Sinology 110416 Yiddish-Aramaic studies | |
| | 1105 Anthropology | 110501 Education anthropology 110502 Policy anthropology 110503 Cultural and social anthropology | |
| | 1106 Restoration / Conservation | 110601 Architectural restoration 110602 Restoration of fine arts' items 110603 Restoration of small arts' items | 110501 Restorer of architectural elements 110502 Restorer of paintings 110503 Restorer of cloths 110504 Restorer of wooden items 110505 Restorer of polygraph works |
| | 1107 Social work | | 110751 Social worker |
| | 1108 Liberal Arts | | |
| | 1109 Public governance | | |
| | 1110 Maritime Sciences (Marine Navigation/ Marine Engineering / Marine Electrical Engineering) | 111001 Sea operations 111002 Sea technologies | 111051 Deck Rating Seafarer 111052 Engine-Room Rating Seafarer 111053 Stevedore |
| | 1111 Gender | | |
| | 1112 Sport | 130601 Sport's physiology 130602 Sport's psychology | 130651 Trainer/couch (with the indication of the field) 130652 Referee (with the indication of the field) 130653 Rescuer 130654 Diver |

Procedure of Formation of Qualifications

Article 1. Introduction of Amendments to the List of Directions, Fields/Specialties, Sub-fields/Specializations or Professional Specialization

1. Only the qualifications, compatible with relevant qualifications of directions, fields/specialties, sub-fields/specializations, envisaged by Annex 4 of this Order can be awarded in Georgia commensurate with the procedure established by law.

2. An educational programme of a direction, field/specialty, sub-field/specialization, not envisaged by Annex 4 of this Order can be implemented only when the relevant institution has obtained an explicit approval from the LEPL- National Centre for Educational Quality Enhancement upon authorisation, accreditation of the programme concerned or submission of a self-evaluation report.

3. In the case envisaged by Paragraph 2 of this Article the LEPL- National Centre for Educational Quality Enhancement shall submit a proposal to the Ministry of Education and Science of Georgia concerning the introduction of an addition to the List of Directions, Fields/Specialties, Sub-fields/Specializations or Professional Specialization.

4. Introduction of an addition to the List of Directions, Fields/Specialties, Sub-fields/Specializations or Professional Specialization shall be construed as a precondition for awarding the relevant qualification.