***Annex 12***

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| **Field of science and technology classification** |
| **Code** | **Scientific field** |
| **Scientific sub-field** |
| **1** | **Natural studies** |
| **1.1** | **Mathematics** |
|   | * Pure mathematics,
* Applied mathematics;
* Statistics and probability - This includes research on statistical methodologies, but excludes research on applied statistics which should be classified under the relevant field of application (e.g. Economics, Sociology, etc.)
 |
| **1.2.** | **Computer and information sciences** |
|   | * Computer sciences,
* Information science and bioinformatics (hardware development to be 2.2, social aspect to be 5.8);
 |
| **1.3.** |  **Physical sciences** |
|   | * Atomic, molecular and chemical physics (physics of atoms and molecules including collision, interaction with radiation; magnetic resonances; Moessbauer effect);
* Condensed matter physics (including formerly solid state physics, superconductivity);
* Particles and fields physics;
* Nuclear physics;
* Fluids and plasma physics (including surface physics);
* Optics (including laser optics and quantum optics);
* Acoustics;
* Astronomy (including astrophysics, space science);
 |
| **1.4.** | **Chemical sciences** |
|   | * Organic chemistry;
* Inorganic and nuclear chemistry;
* Physical chemistry, Polymer science, Electrochemistry (dry cells, batteries, fuel cells, corrosion metals, electrolysis);
* Colloid chemistry;
* Analytical chemistry;
 |
| **1.5.** | **Earth and related environmental sciences** |
|   | * Geosciences, multidisciplinary;
* Mineralogy;
* Paleontology;
* Geochemistry and geophysics;
* Physical geography;
* Geology;
* Volcanology;
* Environmental sciences (social aspects to be 5.7);
* Meteorology and atmospheric sciences;
* Climatic research;
* Oceanography, Hydrology, Water resources;
 |
| **1.6.** | **Biological sciences** |
|   | * Cell biology, Microbiology;
* Virology;
* Biochemistry and molecular biology;
* Biochemical research methods;
* Mycology;
* Biophysics;
* Genetics and heredity (medical genetics to be 3);
* Reproductive biology (medical aspects to be 3);
* Developmental biology;
* Plant sciences, botany;
* Zoology, Ornithology, Entomology, Behavioral sciences biology;
* Marine biology, freshwater biology, limnology; Ecology; Biodiversity conservation;
* Biology (theoretical, mathematical, thermal, cryobiology, biological rhythm), Evolutionary biology;
* Other biological topics;
 |
| **1.7.** | **Other natural sciences** |
| 2 | **Engineering and technology** |
| **2.1.** | **Civil engineering**  |
|   | * Civil engineering;
* Architecture engineering;
* Construction engineering, Municipal and structural engineering;
* Transport engineering;
 |
| **2.2.** | **Electrical engineering, electronic engineering, information engineering** |
|   | * Electrical and electronic engineering;
* Robotics and automatic control;
* Automation and control systems;
* Communication engineering and systems;
* Telecommunications;
* Computer hardware and architecture
 |
| **2.3.** | **Mechanical engineering** |
|   | * Mechanical engineering;
* Applied mechanics;
* Thermodynamics;
* Aerospace engineering;
* Nuclear related engineering (nuclear physics to be 1.3);
* Audio engineering, reliability analysis;
 |
| **2.4.** | **Chemical engineering** |
|   | * Chemical engineering (plants, products);
* Chemical process engineering;
 |
| **2.5.** | **Materials engineering** |
|   | * Materials engineering;
* Ceramics;
* Coating and films;
* Composites (including laminates, reinforced plastics, cermets, combined natural and synthetic fibre fabrics; filled composites);
* Paper and wood;
* Textiles; including synthetic dyes, colours, fibres (nanoscale materials to be 2.10; biomaterials to be 2.9);
 |
| **2.6.** | **Medical engineering** |
|   | * Medical engineering;
* Medical laboratory technology (including laboratory samples analysis; diagnostic technologies); (Biomaterials to be 2.9 [physical characteristics of living material as related to medical implants, devices, sensors])
 |
| **2.7.** | **Environmental engineering** |
|   | * Environmental and geological engineering, geotechnics;
* Petroleum engineering (fuel, oils), energy and fuels;
* Remote sensing;
* Mining and mineral processing;
* Marine engineering, sea vessels;
* Ocean engineering;
 |
| **2.8.** | **Environmental biotechnology** |
|   | * Environmental biotechnology;
* Bioremediation, diagnostic biotechnologies (DNA chips and biosensing devices) in environmental management;
* Environmental biotechnology related ethics;
 |
| **2.9.** | **Industrial biotechnology** |
|   | * Industrial biotechnology;
* Bioprocessing technologies (industrial processes relying on biological agents to drive the process), biocatalysis, fermentation;
* Bioproducts (products that are manufactured using biological material as feedstock), biomaterials, bioplastics, biofuels, bio-derived bulk and fine chemicals, bio-derived novel materials;
 |
| **2.10.** | **Nano-technology** |
|   | * Nano-materials [production and properties];
* Nano-processes [applications on nano-scale]; (biomaterials to be 2.9);
 |
| **2.11.** | **Other engineering and technologies** |
|   | * Food and beverages;
* Other engineering and technologies;
 |
| 3 | **Medical and health sciences** |
| **3.1.** | **Basic medicine** |
|   | * Anatomy and morphology (plant science to be 1.6);
* Human genetics;
* Immunology;
* Neurosciences (including psychophysiology);
* Pharmacology and pharmacy;
* Medicinal chemistry;
* Toxicology;
* Physiology (including cytology);
* Pathology;
 |
| **3.2.** | **Clinical medicine** |
|   | * Andrology;
* Obstetrics and gynaecology;
* Pediatrics;
* Cardiac and Cardiovascular systems;
* Peripheral vascular disease;
* Hematology;
* Respiratory systems;
* Critical care medicine and Emergency medicine;
* Anaesthesiology;
* Orthopaedics;
* Surgery;
* Radiology, nuclear medicine and medical imaging;
* Transplantation;
* Dentistry, oral surgery and medicine;
* Dermatology and venereal diseases;
* Allergy;
* Rheumatology;
* Endocrinology and metabolism (including diabetes, hormones);
* Gastroenterology and hepatology;
* Urology and nephrology;
* Oncology;
* Ophthalmology;
* Otorhinolaryngology;
* Psychiatry;
* Clinical neurology;
* Geriatrics and gerontology;
* General and internal medicine;
* Other clinical medicine subjects;
* Integrative and complementary medicine (alternative practice systems);
 |
| **3.3.** | **Health sciences** |
|   | * Health care sciences and services (including hospital administration, health care financing);
* Health policy and services;
* Nursing; Nutrition, Dietetics;
* Public and environmental health;
* Tropical medicine;
* Parasitology;
* Infectious diseases;
* Epidemiology;
* Occupational health;
* Sport and fitness sciences;
* Social biomedical sciences (includes family planning, sexual health, psycho-oncology, political and social effects of biomedical research);
* Medical ethics;
* Substance abuse
 |
| **3.4.** | **Health biotechnology** |
|   | * Health-related biotechnology;
* Technologies involving the manipulation of cells, tissues, organs or the whole organism (assisted reproduction);
* Technologies involving identifying the functioning of DNA, proteins and enzymes and how they influence the onset of disease and maintenance of wellbeing, gene-based diagnostics and therapeutic interventions (pharmacogenomics, gene-based therapeutics);
* Biomaterials (as related to medical implants, devices, sensors);
* Medical biotechnology related ethics;
 |
| **3.5.** | **Other medical sciences** |
|   | * Forensic science
* Other medical sciences
 |
| 4 | **Agricultural sciences** |
| **4.1.** | **Agriculture, forestry and fisheries** |
|   | * Agriculture;
* Forestry;
* Fishery;
* Soil science;
* Horticulture, viticulture;
* Agronomy, plant breeding and plant protection; (Agricultural biotechnology to be 4.4)
 |
| **4.2.** | **Animal and dairy sciences** |
|   | * Animal and dairy science; (Animal biotechnology to be 4.4)
* Husbandry;
* Pets;
 |
| **4.3.** | **Veterinary sciences** |
|   |   |
| **4.4.** | **Agricultural biotechnology** |
|   | * Agricultural biotechnology and food biotechnology;
* GM technology (crops and livestock);
* Livestock cloning, marker assisted selection, diagnostics (DNA chips and bio sensing devices for the early/accurate detection of diseases) biomass feedstock production technologies, bio pharming;
* Agricultural biotechnology related ethics;
 |
| **4.5.** | **Other agricultural sciences** |
| 5 | **Social sciences** |
| **5.1.** | **Psychology** |
|   | * Psychology (including human - machine relations);
* Psychology, special (including therapy for learning, speech, hearing, visual and other physical and mental disabilities);
 |
| **5.2.** | **Economics and business** |
|   | * Economics, Econometrics;
* Industrial relations;
* Business and Management;
 |
| **5.3.** | **Education sciences** |
|   | * Education, general; Including training, pedagogy, didactics;
* Education, special (to gifted persons, those with learning disabilities);
 |
| **5.4.** | **Sociology** |
|   | * Sociology;
* Demography;
* Anthropology, ethnology, social topics (Women’s and gender studies; Social issues; Family studies, Social work);
 |
| **5.5.** | **Law** |
|   | * Law;
* Criminology;
* Penology;
 |
| **5.6.** | **Political science** |
|   | * Political science;
* Public administration;
* Organization theory;
 |
| **5.7.** | **Social and economic geography** |
|   | * Environmental sciences (social aspects);
* Cultural and economic geography;
* Urban studies (Planning and development);
* Transport planning and social aspects of transport (transport engineering to be 2.1);
 |
| **5.8.** | **Media and communication** |
|   | * Journalism;
* Information science (social aspects);
* Library science;
* Media and socio-cultural communication;
 |
| **5.9.** | **Other social sciences** |
|   | * Social sciences, interdisciplinary;
* Other social sciences;
 |
| 6 | **Humanities** |
| **6.1.** | **History and archaeology** |
|   | * History (history of science and technology to be 6.3, history of specific sciences to be under the respective headings);
* Archaeology;
 |
| **6.2.** | **Languages and literature** |
|   | * General language studies;
* Specific languages;
* General literature studies;
* Literary theory;
* Specific literatures;
* Linguistics;
 |
| **6.3.** | **Philosophy, ethnics and religion** |
|   | * Philosophy, history and philosophy of science and technology;
* Ethics (except ethics related to specific subfields);
* Theology;
* Religious studies;
 |
| **6.4.** | **Art ( arts, history of arts, performing arts, music)** |
|   | * Arts, art history;
* Architectural design;
* Performing arts studies (Musicology, Theater science, Dramaturgy);
* Folklore studies;
* Studies on Film, Radio and Television;
 |
| **6.5.** | **Other humanities** |
| *Note: 1-6 fields of sciences are defined by classification of the Organization for Economic Co-operation and Development (OECD) and (EUROSTAT).*  |
| **7** | **Georgian studies** |
| 7.1 | Natural Studies |
| 7.2 | Engineering and technology |
| 7.3 | Medical and health Sciences |
| 7.4 | Agrarian Sciences |
| 7.5 | Humanities |
| 7.6 | Social Sciences |

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