***Annex 12***

|  |  |  |
| --- | --- | --- |
| **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 |

|  |  |  |
| --- | --- | --- |
| |  | | --- | |  | | |
|  |  |