

<b>Field of science and technology classification</b>	
Code	Scientific field
	Scientific sub-field
<b>1</b>	<b>Natural studies</b>
<b>1.1</b>	<b>Mathematics</b>
	<ul style="list-style-type: none"> <li>• Pure mathematics,</li> <li>• Applied mathematics;</li> <li>• 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.)</li> </ul>
<b>1.2</b>	<b>Computer and information sciences</b>
	<ul style="list-style-type: none"> <li>• Computer sciences,</li> <li>• Information science and bioinformatics (hardware development to be 2.2, social aspect to be 5.8);</li> </ul>
<b>1.3</b>	<b>Physical sciences</b>
	<ul style="list-style-type: none"> <li>• Atomic, molecular and chemical physics (physics of atoms and molecules including collision, interaction with radiation; magnetic resonances; Moessbauer effect);</li> <li>• Condensed matter physics (including formerly solid state physics, superconductivity);</li> <li>• Particles and fields physics;</li> <li>• Nuclear physics;</li> <li>• Fluids and plasma physics (including surface physics);</li> <li>• Optics (including laser optics and quantum optics);</li> <li>• Acoustics;</li> <li>• Astronomy (including astrophysics, space science);</li> </ul>
<b>1.4</b>	<b>Chemical sciences</b>
	<ul style="list-style-type: none"> <li>• Organic chemistry;</li> <li>• Inorganic and nuclear chemistry;</li> <li>• Physical chemistry, Polymer science, Electrochemistry (dry cells, batteries, fuel cells, corrosion metals, electrolysis);</li> <li>• Colloid chemistry;</li> <li>• Analytical chemistry;</li> </ul>
<b>1.5</b>	<b>Earth and related environmental sciences</b>

	<ul style="list-style-type: none"> <li>• Geosciences, multidisciplinary;</li> <li>• Mineralogy;</li> <li>• Paleontology;</li> <li>• Geochemistry and geophysics;</li> <li>• Physical geography;</li> <li>• Geology;</li> <li>• Volcanology;</li> <li>• Environmental sciences (social aspects to be 5.7);</li> <li>• Meteorology and atmospheric sciences;</li> <li>• Climatic research;</li> <li>• Oceanography, Hydrology, Water resources;</li> </ul>
<b>1.6.</b>	<b>Biological sciences</b>
	<ul style="list-style-type: none"> <li>• Cell biology, Microbiology;</li> <li>• Virology;</li> <li>• Biochemistry and molecular biology;</li> <li>• Biochemical research methods;</li> <li>• Mycology;</li> <li>• Biophysics;</li> <li>• Genetics and heredity (medical genetics to be 3);</li> <li>• Reproductive biology (medical aspects to be 3);</li> <li>• Developmental biology;</li> <li>• Plant sciences, botany;</li> <li>• Zoology, Ornithology, Entomology, Behavioral sciences biology;</li> <li>• Marine biology, freshwater biology, limnology; Ecology; Biodiversity conservation;</li> <li>• Biology (theoretical, mathematical, thermal, cryobiology, biological rhythm), Evolutionary biology;</li> <li>• Other biological topics</li> </ul>
<b>1.7.</b>	<b>Other natural sciences</b>
<b>2</b>	<b>Engineering and technology</b>
<b>2.1.</b>	<b>Civil engineering</b>
	<ul style="list-style-type: none"> <li>• Civil engineering;</li> <li>• Architecture engineering;</li> <li>• Construction engineering, Municipal and structural engineering;</li> <li>• Transport engineering;</li> </ul>
<b>2.2.</b>	<b>Electrical engineering, electronic engineering, information engineering</b>
	<ul style="list-style-type: none"> <li>• Electrical and electronic engineering;</li> <li>• Robotics and automatic control;</li> <li>• Automation and control systems;</li> <li>• Communication engineering and systems;</li> <li>• Telecommunications;</li> <li>• Computer hardware and architecture</li> </ul>

<b>2.3.</b>	<b>Mechanical engineering</b>
	<ul style="list-style-type: none"> <li>• Mechanical engineering;</li> <li>• Applied mechanics;</li> <li>• Thermodynamics;</li> <li>• Aerospace engineering;</li> <li>• Nuclear related engineering (nuclear physics to be 1.3);</li> <li>• Audio engineering, reliability analysis;</li> </ul>
<b>2.4.</b>	<b>Chemical engineering</b>
	<ul style="list-style-type: none"> <li>• Chemical engineering (plants, products);</li> <li>• Chemical process engineering;</li> </ul>
<b>2.5.</b>	<b>Materials engineering</b>
	<ul style="list-style-type: none"> <li>• Materials engineering;</li> <li>• Ceramics;</li> <li>• Coating and films;</li> <li>• Composites (including laminates, reinforced plastics, cermets, combined natural and synthetic fibre fabrics; filled composites);</li> <li>• Paper and wood;</li> <li>• Textiles; including synthetic dyes, colours, fibres (nanoscale materials to be 2.10; biomaterials to be 2.9);</li> </ul>
<b>2.6.</b>	<b>Medical engineering</b>
	<ul style="list-style-type: none"> <li>• Medical engineering;</li> <li>• 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])</li> </ul>
<b>2.7.</b>	<b>Environmental engineering</b>
	<ul style="list-style-type: none"> <li>• Environmental and geological engineering, geotechnics;</li> <li>• Petroleum engineering (fuel, oils), energy and fuels;</li> <li>• Remote sensing;</li> <li>• Mining and mineral processing;</li> <li>• Marine engineering, sea vessels;</li> <li>• Ocean engineering;</li> </ul>
<b>2.8.</b>	<b>Environmental biotechnology</b>
	<ul style="list-style-type: none"> <li>• Environmental biotechnology;</li> <li>• Bioremediation, diagnostic biotechnologies (DNA chips and biosensing devices) in environmental management;</li> <li>• Environmental biotechnology related ethics;</li> </ul>
<b>2.9.</b>	<b>Industrial biotechnology</b>

	<ul style="list-style-type: none"> <li>• Industrial biotechnology;</li> <li>• Bioprocessing technologies (industrial processes relying on biological agents to drive the process), biocatalysis, fermentation;</li> <li>• Bioproducts (products that are manufactured using biological material as feedstock), biomaterials, bioplastics, biofuels, bio-derived bulk and fine chemicals, bio-derived novel materials;</li> </ul>
<b>2.10.</b>	<b>Nano-technology</b>
	<ul style="list-style-type: none"> <li>• Nano-materials [production and properties];</li> <li>• Nano-processes [applications on nano-scale]; (biomaterials to be 2.9);</li> </ul>
<b>2.11.</b>	<b>Other engineering and technologies</b>
	<ul style="list-style-type: none"> <li>• Food and beverages;</li> <li>• Other engineering and technologies;</li> </ul>
<b>3</b>	<b>Medical and health sciences</b>
<b>3.1.</b>	<b>Basic medicine</b>
	<ul style="list-style-type: none"> <li>• Anatomy and morphology (plant science to be 1.6);</li> <li>• Human genetics;</li> <li>• Immunology;</li> <li>• Neurosciences (including psychophysiology);</li> <li>• Pharmacology and pharmacy;</li> <li>• Medicinal chemistry;</li> <li>• Toxicology;</li> <li>• Physiology (including cytology);</li> <li>• Pathology;</li> </ul>
<b>3.2.</b>	<b>Clinical medicine</b>
	<ul style="list-style-type: none"> <li>• Andrology;</li> <li>• Obstetrics and gynaecology;</li> <li>• Pediatrics;</li> <li>• Cardiac and Cardiovascular systems;</li> <li>• Peripheral vascular disease;</li> <li>• Hematology;</li> <li>• Respiratory systems;</li> <li>• Critical care medicine and Emergency medicine;</li> <li>• Anaesthesiology;</li> <li>• Orthopaedics;</li> <li>• Surgery;</li> <li>• Radiology, nuclear medicine and medical imaging;</li> <li>• Transplantation;</li> <li>• Dentistry, oral surgery and medicine;</li> <li>• Dermatology and venereal diseases;</li> <li>• Allergy;</li> <li>• Rheumatology;</li> </ul>

	<ul style="list-style-type: none"> <li>• Endocrinology and metabolism (including diabetes, hormones);</li> <li>• Gastroenterology and hepatology;</li> <li>• Urology and nephrology;</li> <li>• Oncology;</li> <li>• Ophthalmology;</li> <li>• Otorhinolaryngology;</li> <li>• Psychiatry;</li> <li>• Clinical neurology;</li> <li>• Geriatrics and gerontology;</li> <li>• General and internal medicine;</li> <li>• Other clinical medicine subjects;</li> <li>• Integrative and complementary medicine (alternative practice systems);</li> </ul>
<b>3.3.</b>	<b>Health sciences</b>
	<ul style="list-style-type: none"> <li>• Health care sciences and services (including hospital administration, health care financing);</li> <li>• Health policy and services;</li> <li>• Nursing; Nutrition, Dietetics;</li> <li>• Public and environmental health;</li> <li>• Tropical medicine;</li> <li>• Parasitology;</li> <li>• Infectious diseases;</li> <li>• Epidemiology;</li> <li>• Occupational health;</li> <li>• Sport and fitness sciences;</li> <li>• Social biomedical sciences (includes family planning, sexual health, psycho-oncology, political and social effects of biomedical research);</li> <li>• Medical ethics;</li> <li>• Substance abuse</li> </ul>
<b>3.4.</b>	<b>Health biotechnology</b>
	<ul style="list-style-type: none"> <li>• Health-related biotechnology;</li> <li>• Technologies involving the manipulation of cells, tissues, organs or the whole organism (assisted reproduction);</li> <li>• 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);</li> <li>• Biomaterials (as related to medical implants, devices, sensors);</li> <li>• Medical biotechnology related ethics;</li> </ul>
<b>3.5.</b>	<b>Other medical sciences</b>
	<ul style="list-style-type: none"> <li>• Forensic science</li> <li>• Other medical sciences</li> </ul>

<b>4</b>	<b>Agricultural sciences</b>
<b>4.1.</b>	<b>Agriculture, forestry and fisheries</b>
	<ul style="list-style-type: none"> <li>• Agriculture;</li> <li>• Forestry;</li> <li>• Fishery;</li> <li>• Soil science;</li> <li>• Horticulture, viticulture;</li> <li>• Agronomy, plant breeding and plant protection; (Agricultural biotechnology to be 4.4)</li> </ul>
<b>4.2.</b>	<b>Animal and dairy sciences</b>
	<ul style="list-style-type: none"> <li>• Animal and dairy science; (Animal biotechnology to be 4.4)</li> <li>• Husbandry;</li> <li>• Pets;</li> </ul>
<b>4.3.</b>	<b>Veterinary sciences</b>
<b>4.4.</b>	<b>Agricultural biotechnology</b>
	<ul style="list-style-type: none"> <li>• Agricultural biotechnology and food biotechnology;</li> <li>• GM technology (crops and livestock);</li> <li>• 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;</li> <li>• Agricultural biotechnology related ethics;</li> </ul>
<b>4.5.</b>	<b>Other agricultural sciences</b>
<b>5</b>	<b>Social sciences</b>
<b>5.1.</b>	<b>Psychology</b>
	<ul style="list-style-type: none"> <li>• Psychology (including human - machine relations);</li> <li>• Psychology, special (including therapy for learning, speech, hearing, visual and other physical and mental disabilities);</li> </ul>
<b>5.2.</b>	<b>Economics and business</b>
	<ul style="list-style-type: none"> <li>• Economics, Econometrics;</li> <li>• Industrial relations;</li> <li>• Business and Management;</li> </ul>
<b>5.3.</b>	<b>Education sciences</b>
	<ul style="list-style-type: none"> <li>• Education, general; Including training, pedagogy, didactics;</li> <li>• Education, special (to gifted persons, those with learning disabilities);</li> </ul>
<b>5.4.</b>	<b>Sociology</b>

	<ul style="list-style-type: none"> <li>• Sociology;</li> <li>• Demography;</li> <li>• Anthropology, ethnology, social topics (Women's and gender studies; Social issues; Family studies, Social work);</li> </ul>
<b>5.5.</b>	<b>Law</b>
	<ul style="list-style-type: none"> <li>• Law;</li> <li>• Criminology;</li> <li>• Penology;</li> </ul>
<b>5.6.</b>	<b>Political science</b>
	<ul style="list-style-type: none"> <li>• Political science;</li> <li>• Public administration;</li> <li>• Organization theory;</li> </ul>
<b>5.7.</b>	<b>Social and economic geography</b>
	<ul style="list-style-type: none"> <li>• Environmental sciences (social aspects);</li> <li>• Cultural and economic geography;</li> <li>• Urban studies (Planning and development);</li> <li>• Transport planning and social aspects of transport (transport engineering to be 2.1);</li> </ul>
<b>5.8.</b>	<b>Media and communication</b>
	<ul style="list-style-type: none"> <li>• Journalism;</li> <li>• Information science (social aspects);</li> <li>• Library science;</li> <li>• Media and socio-cultural communication;</li> </ul>
<b>5.9.</b>	<b>Other social sciences</b>
	<ul style="list-style-type: none"> <li>• Social sciences, interdisciplinary;</li> <li>• Other social sciences;</li> </ul>
<b>6</b>	<b>Humanities</b>
<b>6.1.</b>	<b>History and archaeology</b>
	<ul style="list-style-type: none"> <li>• History (history of science and technology to be 6.3, history of specific sciences to be under the respective headings);</li> <li>• Archaeology;</li> </ul>
<b>6.2.</b>	<b>Languages and literature</b>
	<ul style="list-style-type: none"> <li>• General language studies;</li> <li>• Specific languages;</li> <li>• General literature studies;</li> <li>• Literary theory;</li> <li>• Specific literatures;</li> <li>• Linguistics;</li> </ul>

<b>6.3.</b>	<b>Philosophy, ethnics and religion</b>
	<ul style="list-style-type: none"> <li>• Philosophy, history and philosophy of science and technology;</li> <li>• Ethics (except ethics related to specific subfields);</li> <li>• Theology;</li> <li>• Religious studies;</li> </ul>
<b>6.4.</b>	<b>Art ( arts, history of arts, performing arts, music)</b>
	<ul style="list-style-type: none"> <li>• Arts, art history;</li> <li>• Architectural design;</li> <li>• Performing arts studies (Musicology, Theater science, Dramaturgy);</li> <li>• Folklore studies;</li> <li>• Studies on Film, Radio and Television;</li> </ul>
<b>6.5.</b>	<b>Other humanities</b>
<p><i>Note: 1-6 fields of sciences are defined by classification of the Organization for Economic Co-operation and Development (OECD) and (EUROSTAT).</i></p>	