

Agriculture / Rural Development / Fisheries

Agronomy
Animal and Dairy science
Aquaculture
Aquatic biology, Hydrobiology
Fishery
Forestry
Horticulture, viticulture
Husbandry
Paper and wood
Plant breeding and plant protection
Precision agriculture
Soil management

Biotechnology

Biochemistry
Bacteriology
Bioeconomy
Biohazards, biological containment, biosafety, biosecurity
Bioinformatics
Bioproducts (products that are manufactured using biological material as feedstock) biomaterials, bioplastics, biofuels, bioderived bulk and fine chemicals, bio-derived novel materials
Bioremediation, biodegradation
Biotechnology (non-medical), bioreactors, applied microbiology
DNA synthesis, modification, repair, recombination, degradation
Genetics and heredity
Human biology
Microbiology
Neurochemistry and neuropharmacology
Plant sciences, botany
Reproductive biology
Serology
Tissue culture
Zoology
Bioprocessing technologies (industrial processes relying on biological agents to drive the process) biocatalysis, fermentation

Construction, Civil engineering, Infrastructures

Glass, ceramics & construction material
Architecture, smart buildings, smart cities, urban engineering
Civil engineering, maritime/hydraulic engineering, geotechnics, waste treatment
Construction engineering, Municipal and structural engineering
Low/nearly zero &-energy positive buildings
Urban studies (Planning and development)

Consumer products and services

Distribution and logistics
Electronic commerce (eCommerce)
Household products
Leisure products
Leisure services
Personal products and services
Retail, wholesale or distribution
Service innovation
Supply chain management
Textiles, apparel and luxury goods
Tourism / Travel

Earth and related environmental sciences

Environmental protection
Aquaculture
Atmospheric chemistry, atmospheric composition, air pollution
Circular economy
Climatology and climate change
Decontamination and de-pollution
Ecology
Environmental and Green Technologies
Flood forecasting
Geographical information systems, cartography
Geo-information and spatial data analysis
Geology, tectonics, volcanology
Hydrology
Marine biology
Marine ecosystems and processes
Meteorology
Mineralogy
Natural resources exploration and exploitation
Waste management
Waste recycling
Wastewater treatment
Water

Education and Culture

Education
Psychology
Social Media
Arts (arts, history of arts, performing arts, music)
Behavioural change
Cultural heritage, cultural memory
Design innovation
Informal education
Innovation and diversity (e.g. gender)
Languages and Literature
Life long learning
Media and communications
Social issues
Teaching materials

Energy

Biodiesel
Bioenergy
Biofuels
Biogas
Biomass
Biomethane
Domestic appliances
Electricity Transmission/Distribution
Electrochemistry, batteries and fuel cells
Energy Economics
Energy Efficiency
Energy management
Energy systems (production, distribution, application)
Energy systems, smart energy, smart grids, wireless energy transfer
Fuel Production & Distribution
Hydrogen
Low/zero carbon communities
Natural gas
Photovoltaics
Renewable energy sources
Solar cooling
Solar Thermal

Engineering and technology

Manufacturing and processing
Acoustics
Audio engineering, reliability analysis
Automation and control systems
Chemical engineering, technical chemistry
Communication engineering and systems telecommunications
Control engineering
Electrical and electronic engineering
Electromagnetism
Electromechanical engineering
Electronics, photonics
Graphene, layered material
Industrial bioengineering
Materials engineering
Mechanical engineering
Metallurgy
Metrology and measurement
Micro (system) engineering
Nanotechnology, nano-materials, nano engineering
Novel Materials
Ocean engineering
Optics (including laser optics and quantum optics)
Organic electronics
Photonics
Porous Materials
Production technology, process engineering
Propulsion systems engineering
Robotics
Semiconductors
Solid state materials
Superconductivity
Thermodynamics

Food and beverages

Agricultural products
Brewers
Distillers and vintners
Food additives
Food contamination
Food packaging
Food preservation
Food quality
Food safety
Food storage
Food technology
Secure food chain and wealth products
Soft drinks

Health

Ageing
Biomarkers
Cardiac and Cardiovascular systems
Clinical medicine
Critical care medicine and Emergency medicine
Dentistry, oral surgery and medicine
Dermatology and venereal diseases
Diagnostic tools (e.g. genetic, imaging)
Drugs
eHealth
Endocrinology and metabolism (including diabetes, hormones)
Gene therapy
Geriatrics and gerontology
Healthcare system
Health-related biotechnology
Human genetics
Immunology
Infectious diseases
Medical devices
Neurodegenerative disorders
Obstetrics and gynaecology
Oncology
Ophthalmology
Orthopaedics
Paediatrics
Pathology
Patient care
Personalised treatment
Pharmacology and pharmacy
Psychiatry
Radiology, nuclear medicine and medical imaging
Rehabilitation
Respiratory systems
Rheumatology
Robotics for healthcare
Surgery
Toxicology
Transplantation
Urology and nephrology
Vaccines
Virology
Wellbeing

Information and Communication Technology (ICT)

Artificial intelligence
Blockchain and Distributed Ledger Technology (DLT)
Internet of Things, embedded systems, pervasive systems
Big data
Extended Reality (XR)
Advanced computing
Algorithms and complexity
BTT5 unmanned aircraft (Drone)
Cloud computing
Communication networks, media, information society
Communication technology, high-frequency technology
Computational engineering
Computer graphics
Computer hardware and architecture
Computer sciences, information science and bioinformatics
Cryptography, security, privacy, quantum crypto
Cyber-physical systems
Cybersecurity
Data protection and privacy
Digital games, gamification, applied games, serious games
Digital services
E-learning, user modelling, collaborative systems
Fifth generation cellular network technology (5G)
Fintech (Financial technology)
Human computer interaction and interface, visualization and natural language processing
Interaction, Multimodal, Brain-Computer-Interfaces, Assistive Technologies
Internet Services & Applications

Machine learning, statistical data processing and applications using signal processing (e.g. speech, image, video)
Networks (communication networks, sensor networks, networks of robots, etc.)
Neuroimaging and computational neuroscience
Ontologies, neural networks, genetic programming, fuzzy logic
Scientific computing, simulation and modelling tools
Software engineering, operating systems, computer languages
Web and information systems, database systems, information retrieval and digital libraries, data fusion

Public sector innovation

Business model innovation
Corporate Social responsibility
Human resource management
Open data
Open innovation
Public administration innovation
Social innovation

Security

Chemical, Biological, Radiological and Nuclear (CBRN) protection and decontamination equipment
Crisis management
Critical infrastructure, emergency systems, security, safety engineering
Detection technology
Explosives removal
Forensic technologies, others
Identification
Information Security Technologies
Interoperable secured communications (Security systems architecture)
Navigation, guidance, control and tracking
Networks and information security systems
Protection
Risk management
Search and detection
Surveillance

Space

Earth Observation / Services and applications
Flight Dynamics / Position, Navigation, and Timing
Global Satellite Navigation System (GNSS) / Services & Applications
Instrumentation - telescopes, detectors and techniques
Launchers
On-Board Data Systems
Orbital transportation and re-entry systems
Remote sensing
RF Payload and Systems
Satellites and Probes
Space data exploitation
Space Debris
Space services and products
Spacecraft
Supporting Propulsion Technologies and Tools
Telecommunications

Transport & Mobility

Aircraft Avionics, Systems & Equipment AVS
Airports APT
Automation
Automotive
Logistics
Maritime and infrastructure
Maritime transport
Multimodality
Network infrastructures
Propulsion PRO
Rail infrastructure
Rail Transport
Road infrastructure
Road transport
Sea vessels
Sustainable transport
Transport Aviation / Air traffic management (ATM)
Transport engineering
Urban transport
Vehicle Technology / Mobility