

## **International Classifier for Fields of Science and Educational Programs. Version 3.**

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"The International Classifier for Fields of Science and Educational Programs" is based on analysis of academic programs in 1200 universities over 82 countries.

Publicly available information from the universities websites is being analyzed.

This classifier is based on information about a large number of universities in different countries and at different levels. It can be used as information basis for building an international system of comparing institutions of higher education.

### **Basic postulates:**

As global results of science in the 20th century may be considered its fundamentality and high number of new areas (interdisciplinary sciences) created at the juncture of sciences, which determined development of modern technologies.

Level of their development and influence it has on life of society and its further progress are fundamental for any "standardization" of fields of science and education in the modern world, even though the word "standardization" is probably not the best one to use in the category of science and education.

The main criteria for the proposed classification are a fundamentality of the area of science, subjects it studies and methods of research and education, its role in the description of existing world, nature, man and society.

For further use of the classifier in other, more general information systems a technological stock in category numbering can be made in the form of two starting zeros. The initial classifier may be recorded as:

001 – Nature Sciences - includes sciences related to fundamentals, describing the most general laws of nature (Biology, Chemistry, Earth Sciences, Medicine, Physics, etc.).

002 – Mathematics - fundamental science providing other sciences a formal language of description and offering a structural connection between the phenomena, concepts and categories.

003 – Humanities - includes sciences studying spiritual, mental, and moral human activity (History, Philosophy, Psychology, Social Sciences, etc.).

004 – Engineering and Technology; incorporates sciences directly relating to the technological and industrial human activity (Aeronautics, Agriculture, Computer Science, Construction, etc.).

005 – Society - includes sciences relating to the results of human activity (Arts, Culture, Education, Literature, etc.).

Sciences in these categories are divided into narrower disciplines. The degree of this division, in our opinion, may be determined by the most probable distribution of specialties in terms of practical use. Moreover, such a division should take into account the fact that the same narrower field of science may equally apply to different larger areas. For example, Biophysics relates both to Biology and Physics. Agrochemistry relates to Chemistry and Agricultural Sciences.

The Classifier does not claim for absolute perfection and project is open to a discussion with experts - Members of The International Council of Scientists from different countries on its improvement in the structural and terminological directions.

### **001 Nature Sciences**

#### **00103 Anthropology**

#### **00105 Archeology**

#### **00107 Astronomy**

#### **00109 Biology**

#### **00111 Chemistry**

#### **00113 Earth Sciences**

#### **00115 Medicine**

#### **00117 Physics**

#### **00118 Units and Constants**

#### **00103 Anthropology**

0010303 Anthropological Linguistics

0010304 Biological Anthropology

001030406 Forensic Anthropology

0010306 Cultural Anthropology

0010307 Ethnography, Design Anthropology

0010308 Osteology

0010309 Physical Anthropology

0010312 Social Anthropology, Ethnology

#### **00105 Archeology**

0010503 Archaeometry

0010506 Cltural Heritage Management

0010509 Ethnoarchaeology

0010512 Experimental Archaeology

0010515 Historical Archaeology

0010518 History of Archaeology

**00107 Astronomy****0010703 Astronomy by Areas**

001070303 Cosmology  
001070306 Galactic Astronomy  
001070309 Planetary Science  
001070312 Solar Astronomy  
001070315 Stellar Astronomy

**0010705 Observational Astronomy**

001070503 Celestial Mechanics  
001070506 Optical Astronomy  
001070509 Radio Astronomy

**0010707 Theoretical Astronomy****00109 Biology****0010901 Biochemistry**

001090103 Biochemical Genetics  
001090106 Biochemical Technology  
001090109 Biomolecules  
001090112 Clinical Chemistry  
001090115 Hormones  
001090118 Metabolic Processes  
001090121 Physical Biochemistry  
001090124 Vitamins  
001090127 Waxes

**0010903 Biophysics**

001090309 Kinesiology

**0010905 Biotechnology**

001090503 Bioenergetics  
001090506 Biological Engineering  
\*0010903 Biophysics  
001090509 Biostatistics  
001090512 Cloning  
001090515 Cognitive Science  
001090521 Gene Engineering  
001090524 Histology  
001090527 Industrial Biotechnology

**0010907 Botany**

001090703 Agronomy  
00109070303 Agrobiology  
001090706 Bryology  
001090709 Cryptobotany  
001090712 Economic botany  
001090715 Ethnobotany  
001090718 Dendrology  
001090721 Horticulture  
001090724 Paleobotany  
001090727 Palynology  
001090730 Phycology  
001090733 Phytopathology  
001090736 Plant Anatomy (Phytotomy)  
001090739 Plant Biochemistry  
001090742 Plant Ecology  
001090745 Plant Genetics  
001090748 Plant Morphology  
001090751 Plant Physiology  
001090754 Plant Systematics

**0010909 Embryology****0010911 Genetics**

\*001090103 Biochemical Genetics  
001091103 Classical Genetics  
001091106 Ecological Genetics  
001091109 Medical Genetics  
001091112 Molecular Genetics  
00109111203 Bioinformatics  
00109111206 Genomics

**0010912 Human Development (biology)****0010913 Microbiology**

001091303 Applied Microbiology

001091304 Bacteriology  
001091306 Pure Microbiology  
001091315 Virology

**0010915 Molecular Biology**

001091502 Bioinformatics  
001091503 Cytology  
001091505 Evolution  
001091506 Gene Transcription  
001091509 Mutation

\*001090121 Physical Biochemistry

001091512 Proteomics

001091515 Structural Biology

001091518 Virology

**0010916 Mycology**

001091606 Lichenology

**0010917 Neurobiology****0010919 Paleontology**

\*001090724 Paleobotany

\*001090727 Palynology

**0010921 Pharmacology**

00109210 Pharmacology - General aspects

\*001090118 Metabolic Processes

001092103 Pharmacodynamics

001092106 Toxicology

**0010923 Photobiology****0010925 Physiology**

001092506 Ecophysiology

001092508 Evolutionary Physiology

001092512 Molecular and Cell Physiology

**0010927 Radiobiology****0010929 Thanatology****0010931 Wildlife****0010933 Zoology, Animal Sciences**

001093303 Animal Anatomy (Zootomy)

001093306 Animal Diseases

001093309 Animal Ecology

001093312 Animal Feeding

00109331203 Feed Additives

00109331206 Feed Composition

00109331209 Feed Contamination and Toxicology

00109331212 Feed Processing and preservation

00109331215 Feed Technology

001093315 Animal Ethology

00109331503 Animal Behavioral Ecology

001093318 Animal Breeding and Genetics

001093321 Animal Physiology and Biochemistry

00109332103 Animal Growth and Development

00109332106 Animal Nutrition

001093324 Animal Reproduction

001093330 Animal Taxonomy and Geography

001093336 Arthropodology

00109333603 Arachnology

00109333606 Entomology

001093339 Herpetology

001093342 Ichthyology

001093345 Mammalogy

001093351 Ornithology

001093354 Pests of Animal

001093357 Veterinary Sciences

00109335709 Animal Hygiene

00109335724 Veterinary Entomology

001093360 Zoography

**00111 Chemistry****0011103 Agrochemistry**

001110303 Fertilizers and Growth Agents

001110306 Pesticides

**0011105 Analytical Chemistry**

001110503 Classical Methods

001110506 Instrumental Methods  
\*0010901 Biochemistry  
001110515 Spectroscopy  
**0011107 Catalysis**  
001110703 Electrocatalysis  
001110706 Heterogeneous Catalysis  
001110709 Homogeneous Catalysis  
001110712 Organocatalysis  
**0011109 Electrochemistry**  
**0011111 Geochemistry**  
001111103 Aquatic Chemistry  
001111106 Atmospheric Chemistry  
001111109 Biogeochemistry  
001111112 Cosmochemistry  
001111115 Environmental Geochemistry  
001111118 Organic Geochemistry  
**0011113 General Chemistry**  
**0011115 Industrial Chemistry**  
001111507 Technical Chemistry  
**0011117 Inorganic Chemistry**  
001111703 Coordination Chemistry  
001111706 Inorganic Compounds  
001111709 Solid State Chemistry  
**0011119 Macromolecular Chemistry (Polymers)**  
**0011121 Mathematical Chemistry**  
**0011123 Materials Chemistry**  
**0011125 Medicinal Chemistry**  
001112509 Pharmacy  
**0011127 Neurochemistry**  
**0011129 Nuclear Chemistry**  
001112903 Nuclear Reactions  
001112905 Radiation Chemistry  
001112907 Radiochemistry  
001112909 Radioactivity  
**0011131 Organic Chemistry**  
001113103 Functional Groups  
001113106 Organic Compounds  
001113109 Organic Reaction  
001113112 Organic Synthesis  
**0011133 Petrochemistry**  
**0011135 Physical Chemistry**  
001113503 Chemical Kinetics  
001113506 Chemical Thermodynamics  
001113509 Molecular Structure  
001113512 Photochemistry  
001113515 Quantum Chemistry  
\*001112905 Radiation Chemistry  
001113518 Valence Theory  
**0011137 Theoretical Chemistry**  
001113703 Electron Configuration  
001113706 Molecular Dynamics  
001113709 Molecular Modelling

## **00113 Earth Sciences**

**0011303 Atmospheric Sciences**  
\*001111106 Atmospheric Chemistry  
001130306 Atmospheric Physics  
001130309 Climatology  
001130312 Meteorology  
**0011305 Cartography**  
001130503 General Cartography  
001130504 Geomatics  
001130506 Map Design  
001130509 Topography  
**0011307 Ecology**  
001130703 Agroecology  
001130706 Environmental Resource Management  
001130709 Industrial Ecology  
**0011309 Environmental Sciences**

\*001130706 Environmental Resource Management  
001130909 Natural Resources  
**\*0011111 Geochemistry**  
**0011311 Geodesy**  
001131103 Cosmic Geodesy  
001131106 Engineering Geodesy  
001131109 Higher Geodesy  
001131112 Physical Geodesy  
001131115 Theoretical Geodesy  
**0011313 Geography**  
001131301 Cultural Geography  
001131303 Environmental Geography  
001131306 Geomatics  
001131309 Human Geography  
001131312 Physical Geography  
001131315 Regional Geography  
**0011315 Geology**  
001131503 Engineering Geology  
\*0011111 Geochemistry  
001131506 Geomorphology  
001131509 Mineralogy  
\*0010919 Paleontology  
001131510 Petroleum Geology  
001131512 Stratigraphy  
001131515 Structural Geology  
**0011317 Geophysics**  
001131703 Geothermal Gradient  
001131706 Gravity of Earth  
001131709 Mineral Physics  
\*001112909 Radioactivity  
001131715 Seismology  
**0011319 Oceanography**  
001131903 Biological Oceanography  
001131906 Chemical Oceanography  
001131909 Geological Oceanography  
001131912 Maritime Sciences  
00113191209 Marine Biology  
001131915 Physical Oceanography  
**0011321 Soil Science**  
0011132103 Drainage  
0011132106 Soil Biology  
0011132109 Soil Chemistry and Physics  
0011132112 Soil Classification and Genesis  
0011132115 Soil Cultivation  
0011132118 Soil Erosion, Conservation and Reclamation  
0011132121 Soil Fertility  
**0011323 Speleology**  
**0011325 Water Sciences, Hydrology**  
\*001111103 Aquatic Chemistry  
001132503 Chemical Hydrology  
001132506 Ecohydrology  
001132509 Hydrobiology  
001132512 Hydrogeology  
001132515 Surface Hydrology  
001132518 Water quality

## **00115 Medicine**

**0011503 Anesthesiology**  
**0011504 Applied Medicine**  
**0011505 Basic Medical Sciences**  
001150503 Anatomy  
\*001090518 Cytology  
\*0010909 Embryology  
001150506 Epidemiology  
\*0010911 Genetics  
\*001090524 Histology  
001150509 Immunology  
001150510 Laboratory Medicine

001150511 Medical Psychology  
\*001170718 Medical Physics  
\*0010913 Microbiology  
\*0010915 Molecular Biology  
001150512 Neurosciences  
001150515 Nutrition Science  
001150518 Pathology  
00115051806 Defectology  
00115051809 Logopedics  
\*0010921 Pharmacology  
\*0010923 Photobiology  
\*0010925 Physiology  
\*0010927 Radiobiology  
\*001092106 Toxicology  
**0011507 Biomedical Sciences**  
\*0010901 Biochemistry  
001150703 Biomaterials  
001150706 Biomechanics  
001150708 Biomedical Laboratory  
001150709 Biomedical Technology  
\*0010903 Biophysics  
\*001090509 Biostatistics  
**0011509 Care Medicine**  
001150903 Critical-Care Medicine  
001150906 Geriatrics  
001150909 Intensive Care, Reanimation  
001150912 Nursing  
**0011511 Dentistry**  
001151109 Odontology  
**0011513 Dermatology**  
**0011515 Emergency Medicine**  
**0011517 Forensic Medicine**  
**0011519 Gerontology**  
**\*0030514 History of Medicine**  
**0011521 Infectology**  
**0011523 Internal Medicine**  
001152301 Allergology  
001152303 Cardiology  
001152306 Endocrinology  
001152309 Gastroenterology  
001152312 Gynecology and Obstetrics  
001152315 Hematology  
001152318 Hepatology  
001152321 Nephrology  
001152324 Neurology  
001152327 Oncology  
001152330 Otolaryngology  
001152335 Proctology  
001152336 Pulmonology  
001152339 Rheumatology  
001152342 Urology  
**0011525 Ophthalmology**  
**0011527 Orthopedics**  
**0011528 Pediatrics**  
**0011529 Preventive Medicine**  
001152909 Physical Therapy  
00115290906 Manual & Manipulative Therapy  
001152911 Psychomotor Therapy  
001152913 Therapy  
**0011531 Psychiatry**  
001153112 Occupational therapy  
**0011533 Public Health**  
001153304 Global Health  
001153306 Health Informatics  
\*0010912 Human Development (biology)  
\*001090309 Kinesiology  
001153309 Medical Information  
001153315 Narcology  
001153318 Primary Health Care  
001153321 Sexology

**0011535 Radiology, Nuclear Medicine**  
001153503 Radiotherapy  
**0011537 Sleep Medicine**  
**0011539 Sports Medicine**  
**0011541 Surgery**  
001154112 Neurosurgery  
001154115 Plastic Surgery  
**0011542 Technical Medicine**  
**0011543 Transplantology**  
001154312 Organ Failure  
**0011545 Traumatology**  
001154509 Motor Rehabilitation  
**0011546 Tropical Medicine**  
**0011547 Vascular Medicine**

**00117 Physics**  
**0011703 Acoustics**  
**0011705 Astrophysics**  
001170503 Observational Astrophysics  
001170506 Theoretical Astrophysics  
**0011707 Applied Physics**  
001170703 Agrophysics  
001170706 Ballistics  
\*0010903 Biophysics  
001170709 Computational Physics  
001170712 Electronics  
00117071203 Microwave Electronics  
00117071206 Molecular Electronics  
00117071209 Nanoelectronic Device  
00117071212 Solid State Electronics  
001170715 Engineering Physics  
001170718 Medical Physics  
001170721 Nuclear Engineering  
001170724 Nuclear Technology  
001170727 Optoelectronics  
001170730 Superconductors  
001170733 Vehicle Dynamics  
**0011709 Atomic, Molecular Physics**  
001170903 Atomic Physics  
001170909 Molecular Physics  
**0011710 Chemical Physics**  
**0011711 Condensed Matter Physics**  
001171103 High Pressure Physics,  
001171106 Low-temperature Physics,  
001171109 Nanoscale Physics,  
001171112 Polymer Physics  
001171115 Solid State Physics  
**0011713 Electrodynamics**  
**0011715 Fluid Mechanics**  
001171503 Aerodynamics  
001171506 Hydrodynamics  
001171509 Plasma  
**0011717 Mathematical Physics**  
**0011719 Mechanics**  
001171903 Classical Mechanics  
001171906 Quantum Mechanics  
**0011721 Optics**  
001172103 Holography  
001172106 Lasers and Quantum Optics  
001172109 Optical Spectroscopy  
001172112 Photonics  
**0011723 Particle Physics**  
001172303 Accelerator Physics  
001172306 High Energy Physics  
001172309 Nuclear Physics  
**\*0011135 Physical Chemistry**  
**0011724 Radiophysics**  
001172406 Quantum Radiophysics  
**\*001110515 Spectroscopy**

**0011725 Theoretical Physics**  
\*0011713 Electrodynamics  
\*0011717 Mathematical Physics  
001172513 Statistical Physics  
001172519 Theories  
**0011727 Thermodynamics**  
001172709 Statistical Mechanics

**00118 Nature, Units and Constants**  
001180 Units and Constants - General aspects  
0011803 Constants  
0011806 Metrology  
0011809 Units Calibration and Conversion

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## **002 Mathematics**

**00203 Mathematics in General**  
**00205 Algebra**  
**00207 Computational Mathematics**  
**00209 Differential Equations**  
**00211 Field Theory and Polynomials**  
**00213 Functional Analysis**  
**00215 Functions**  
**00217 Geometry**  
**00219 Integrals**  
**00221 Mathematical Modeling**  
**00223 Number Theory**  
**00225 Numerical Mathematics**  
**00227 Operator Theory**  
**00229 Probability and Statistics**  
**00231 Topology**

**002 Mathematics**  
**00203 Mathematics in General**  
0020303 Applied Mathematics  
0020306 Arithmetic  
0020309 Combinatorics  
002030903 Algebraic Combinatorics  
002030906 Enumerative Combinatorics  
002030909 Extremal Combinatorics  
0020310 Discrete Mathematics  
0020312 Mathematical Logic  
0020315 Mathematical Optimization  
**00205 Algebra**  
0020503 Algebraic Structures  
0020506 Boolean Algebras  
0020512 Commutative Algebra  
0020515 Homological Algebra  
0020518 Linear and Multilinear Algebra  
0020521 Other Classes of Algebras  
**00207 Computational Mathematics**  
**00209 Differential Equations**  
0020903 Difference and Functional Equations  
0020906 Ordinary Differential Equations  
0020909 Partial Differential Equations  
**00211 Field Theory and Polynomials**  
0021103 Connections with Logic  
0021106 Differential and Difference Algebra  
0021109 Field Extensions  
0021112 Generalizations of Fields  
0021115 Homological Methods  
0021118 Topological Fields  
**00213 Functional Analysis**  
**00215 Functions**  
0021503 Functions of a Complex Variable  
0021506 Functions of One Variable  
0021509 Functions of Several Variables

0021512 Polynomials, Rational Functions  
0021515 Special Functions  
**00217 Geometry**  
0021703 Analytic and Descriptive Geometry  
0021704 Applied Geometry  
0021706 Complex Geometry  
0021709 Convex and Discrete Geometry  
0021712 Differential Geometry  
0021715 Distance Geometry  
0021718 Finite Geometry  
0021721 Geometric Closure Systems  
0021724 Geometric Order Structures  
0021727 Linear Incidence Geometry  
0021730 Metric Geometry  
0021733 Nonlinear Incidence Geometry  
0021736 Real Geometry  
0021739 Ring Geometry  
0021742 Topological Geometry  
**00219 Integrals**  
0021903 Integral Transforms  
0021906 Integral Equations  
**00221 Mathematical Modeling**  
**00223 Number Theory**  
**00225 Mathematics, Numerical Mathematics**  
**00227 Mathematics, Operator Theory**  
**00229 Mathematics, Probability and Statistics**  
0022903 Applications  
0022906 Combinatorial Probability  
0022909 Decision Theory  
0022912 Distribution Theory  
0022915 Geometric Probability, Stochastic Geometry  
0022918 Limit Theorems  
0022921 Linear Inference, Regression  
0022924 Markov Processes  
0022925 Mathematical Statistics

0022927 Multivariate Analysis  
0022930 Nonparametric Inference  
0022933 Parametric Inference  
0022936 Probability theory on Algebraic and Topological Structures  
0022939 Sampling Theory  
0022942 Sequential Methods  
0022945 Special Processes

0022948 Stochastic Processes  
0022951 Survival Analysis  
**00231 Topology**  
002310 Topology – General Aspects  
0023103 Algebraic Topology  
0023106 Global Analysis, Analysis on Manifolds  
0023109 Manifolds and Cell Complexes

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## **003 Humanities**

### **00303 Economics**

### **00305 History**

### **00307 Philosophy**

### **00309 Psychology**

### **00311 Religion & Theology**

### **00313 Social Sciences**

## **003 Humanities**

### **00303 Economics**

#### **0030303 Business & Management**

003030303 Business Administration

00303030303 Commerce

003030306 Business Communications

003030309 Environmental Management

003030312 Management Science

00303031206 Industrial Management

00303031212 Office management

00303031214 Shipping management

00303031215 Tourism and Leisure Management

003030315 Marketing

00303031506 Electronic Commerce

003030318 Organizational Behavior

#### **0030305 Finance and Accounting**

003030503 Accounting

003030506 Financial Management and Banking

003030509 Investments

003030515 Risk Management and Insurance

00303051503 Actuarial Science

#### **0030307 International Economics**

003030703 International Business

003030706 International Finance and Investments

003030709 International Trade

#### **0030309 Land Economics**

#### **0030311 Macroeconomics**

#### **0030313 Microeconomics**

#### **0030315 Political Economy**

#### **0030317 Rural Economics**

003031703 Administration of Agricultural Enterprises

003031706 Agricultural Economics

003031709 Agro Industry

003031712 Consumer Economics

003031715 Finance and Investment

003031718 Trade, Marketing, Distribution

#### **0030319 Socioeconomics**

#### **00305 History**

0030501 Ancient History

0030503 Economic History

0030505 Environmental History

0030507 Ethnography and Ethnology

\*0030509 History of Arts

0030511 History of Culture

0030513 History of Diplomacy

0030514 History of Medicine

0030515 History of Religion

0030517 History of Science

0030519 Military History

0030521 World History

#### **00307 Philosophy**

0030701 Aesthetics

0030702 Ethics

003070203 Applied Ethics

003070209 Professional Ethics

0030703 Logic

0030705 Methodology

0030707 Philosophical Anthropology

0030709 Philosophy of Nature

0030711 Philosophy of Science

0030713 Social Philosophy

#### **00309 Psychology**

0030903 Applied Psychology

0030904 Child Studies

0030905 Clinical Psychology

0030907 Cognitive Psychology

0030908 Behavioural Sciences

0030909 Developmental Psychology

0030911 Educational Psychology

0030912 Experimental Psychology

0030913 General Psychology

0030915 Parapsychology

0030917 Psychotherapy

0030919 Social Psychology

#### **00311 Religion & Theology**

0031101 Anthropology of Religion

0031103 Biblical and Historical Theology

0031106 Catholic Theology

0031108 Hussite Theology

0031109 Islamic Theology

0031112 Practical Theology

0031115 Protestant Theology

0031119 Social Theology

0031121 Systematic Theology

0031127 World Religions

003112703 Comparative Religion

#### **00313 Social Sciences**

0031303 Aging Research

0031305 Applied Research

0031307 Children's Studies

\*00115051806 Defectology  
\*00115051809 Logopedics  
0031309 Civilization Studies  
0031311 Civil Communications  
\*00509 Demography  
0031313 Development Studies  
003131309 Human development (humanity)  
\*0030702 Ethics  
\*003070203 Applied Ethics  
\*003070209 Professional Ethics  
0031317 Family

0031318 Gender Studies  
0031319 International Migration  
0031321 Media Studies  
0031322 Politology  
003132212 Multiculturalism  
0031323 Social Policy  
0031325 Social Work  
0031327 Sociology  
003132703 Rural Sociology  
0031329 Disability Studies  
0031331 Urban Studies

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## **004 Engineering and Technology**

**00402 Aerospace and Aeronautic**  
**00404 Agriculture, Fishery, Forestry**  
**00406 Architecture**  
**\*001090106 Biochemical Technology**  
**00408 Biomedical Engineering**  
**\*0010905 Biotechnology**  
**00412 Chemical Engineering**  
**00415 Computer Science**  
**00418 Construction**  
**00421 Ecological Engineering**  
**00424 Electrical Engineering**  
**00427 Electronic Engineering**  
**00430 Environmental Engineering**  
**00433 Food Science**  
**00436 Industry, Production**  
**00439 Information Sciences and Systems**  
**00442 Instrumentation and Control**  
**00444 Marine Technology**  
**00445 Materials Science**  
**00448 Mechanical Engineering**  
**00451 Metallurgy, Metal Products**  
**00454 Microsystems Engineering**  
**00457 Mining Engineering**  
**00460 Motor Vehicle**  
**00463 Nanoscience**  
**00466 Nuclear Applications**  
**00469 Petroleum, Gas, Coal**  
**00472 Pharmaceutics**  
**00475 Printing**  
**00478 Power and Energy**  
**00480 Safety Engineering**  
**00481 Space**  
**00484 Telecommunications**  
**00487 Timber Engineering**  
**00490 Transport, Transportation**  
**00493 Wood, Woodworking**

**00402 Aerospace and Aeronautic**  
**00404 Agriculture, Fishery, Forestry**  
\*003031703 Administration of Agricultural Enterprises  
\*003031706 Agricultural Economics  
**\*0011103 Agrochemistry**  
**\*001130703 Agroecology**  
**0040403 Agricultural Entomology**

**0040405 Agricultural Products**  
004040503 Agricultural Products - Production and Handling  
004040506 Agricultural Products - Storage and Protection  
004040509 Agricultural Products - Transportation  
**0040407 Agriculture Machinery and Buildings**  
004040703 Agricultural Engineering

004040706 Agricultural Machinery and Equipment  
004040709 Farm Construction  
004040715 Rural Engineering  
**0040409 Animal Husbandry**  
\*001093118 Animal Breeding and Genetics  
\*0010929 Animal Sciences, Zoology  
004040903 Livestock Care and Management  
004040906 Livestock Nutrition  
004040909 Livestock Products  
004040912 Livestock Reproduction  
004040915 Livestock Selection  
004040921 Poultry  
**0040411 Aquatic Science and Fishery**  
004041103 Aquaculture  
004041106 Aquatic Ecology  
004041109 Fisheries Production  
**0040413 Environmental Architecture**  
**0040415 Floriculture**  
**0040417 Forestry and Forest Sciences**  
004041703 Forest Engineering  
004041706 Forest Injuries and Protections  
004041707 Forest management  
004041709 Forestry Production  
004041712 Processing of Forest Products  
**0040419 Horticulture Technology**  
004041918 Viticulture  
**0040423 Plant Sciences**  
\*001090703 Agronomy  
004042303 Crop Husbandry  
004042306 Plant Fertilizing  
004042309 Plant Irrigation  
004042312 Phytopathology  
\*001090736 Plant Anatomy (Phytotomy)  
\*001090739 Plant Biochemistry  
\*001090742 Plant Ecology  
\*001090745 Plant Genetics  
\*001090748 Plant Morphology  
\*001090751 Plant Physiology  
\*001090754 Plant Systematics  
004042315 Protection of Plants  
004042318 Seed Production  
**0040425 Processing of Agricultural Wastes**  
**0040427 Processing of Non-food or Non-feed Agricultural Products**  
\*0030317 Rural Economics  
\*003132503 Rural Sociology  
\*0011321 Soil Science  
\*0011325 Water Sciences, Hydrology  
**00406 Architecture**  
0040602 Applied Architecture  
0040603 Architecture and Town Planning  
0040605 Interior Design  
0040607 Landscape Architecture  
0040609 Regional Planning  
0040611 Urban Planning and Design  
\*001090106 Biochemical Technology  
**00408 Biomedical Engineering**  
\*0010905 Biotechnology  
**00412 Chemical Engineering**  
**00415 Computer Science**  
0041503 Applied Computer Science  
0041504 Computer Systems Engineering  
004150412 Computer Networks and Security  
0041506 Digital Media  
0041508 Software Engineering  
0041512 Theoretical Computer Science  
004151203 Computer Mathematics  
**00418 Construction**  
004180 Construction – General aspects  
0041803 Bridges Construction  
0041806 Building Construction  
0041809 Civil Engineering  
0041810 Energy Building  
0041812 Industrial Engineering  
0041815 Metrology of Building  
0041818 Railway Construction  
0041821 Road Construction  
\*004040715 Rural Engineering  
0041824 Soil Mechanics  
0041827 Topography of Building  
**00419 Coastal and Marine Engineering**  
0041915 Offshore Engineering  
**00421 Ecological Engineering**  
**00424 Electrical Engineering**  
**00427 Electronic Engineering**  
0042706 Microelectronics  
0042709 Optoelectronics  
0042712 Radio Electronics  
**00430 Environmental Engineering**  
0043009 Industrial Environmental Protection  
0043024 Waste Disposal and Recycling  
**00433 Food Science**  
0043303 Animals Feed  
0043306 Bakery  
0043309 Beverages  
0043312 Dairy Products  
0043315 Food Additives  
0043318 Food Contamination and Toxicology  
0043321 Food Packaging  
0043324 Food Processing and Preservation  
0043327 Human Nutrition  
004332703 Diet and Diet-related Diseases  
004332706 Physiology of Human Nutrition  
0043330 Oils and Fats  
0043333 Synthetic Foods  
0043336 Vegetable  
0043339 Wine, Oenology  
**00436 Industry, Production**  
0043603 Industrial Design Engineering  
0043606 Industrial Equipment and Machinery  
0043609 Industrial Maintenance Engineering  
0043612 Industrial Processes  
0043618 Product Development  
0043621 Production Management  
0043627 Systems Engineering  
**00439 Information Sciences and Systems**  
0043903 Communications  
0043906 Cybernetics  
\*00303031506 Electronic Commerce  
0043908 Informatics  
0043909 Information Technology  
0043912 Library and Information Science  
0043915 Media Technology  
0043919 Systemic Analysis  
0043921 Statistical Sciences  
**00442 Instrumentation and Control**  
0044203 Automation  
0044206 Control Engineering  
0044209 Electrical Equipment and Instruments  
0044212 Electronic Equipment and Instruments  
0044215 Medical Equipment and Instruments  
0044216 Metrology  
0044218 Optical Equipment and Instruments  
0044221 Scientific Equipment  
0044224 Test Equipment  
**00444 Marine Technology**  
**00445 Materials Science**  
0044503 Adhesives  
0044506 Building Materials  
0044509 Ceramics



0044512 Coatings  
0044515 Composite Materials  
0044518 Corrosion  
0044521 Electronic Materials  
0044524 Fire Science  
0044527 Glasses  
0044530 Limes  
0044533 Magnetic Materials  
0044536 Materials Testing  
0044539 Metals  
0044542 Polymers  
0044545 Textiles  
**00448 Mechanical Engineering**  
0044803 Bearings  
0044806 Blowers  
0044809 Construction Equipment  
0044812 Compressors  
0044815 Dynamics and Strength of Machines  
0044818 Engines  
0044821 Farm Machinery  
0044824 Food Machinery  
0044827 Heating Equipment  
0044830 Hydrotechnics and Hydraulics  
0044833 Industrial Equipment  
0044836 Machine Tools  
0044839 Manufacturing Engineering  
0044842 Mechatronics  
0044845 Mining Machinery  
0044848 Nuclear Equipment  
0044851 Pneumatic Equipment  
0044854 Printing Machinery and Equipment  
0044857 Pumps  
0044860 Robots and Robotics  
0044863 Rocket Engineering

\*0043627 Systems Engineering  
0044866 Textile Machinery  
0044869 Turbines  
0044872 Welding Technology and Equipment  
0044875 Woodworking Equipment  
**00451 Metallurgy, Metal Products**  
**00454 Microsystems Engineering**  
**00457 Mining Engineering**  
0045709 Mineral Resources  
004570903 Applied Earth Sciences  
**00460 Motor Vehicle**  
\*001170733 Vehicle Dynamics  
**00463 Nanoscience**  
**00466 Nuclear Applications Technology**  
**00469 Petroleum, Gas, Coal**  
0046912 Oil and Gas Field Development  
0046915 Pipeline Networks  
**00472 Pharmaceuticals**  
**00475 Printing**  
**00478 Power and Energy**  
0047809 Energy Engineering  
0047818 Wind Energy  
**00480 Safety Engineering**  
**00481 Space**  
0048103 Aerospace engineering (Aerophysics)  
**00484 Telecommunications**  
**00487 Timber Engineering**  
**00490 Transport, Transportation**  
0049009 Industrial Logistics  
0049012 Logistics  
0049018 Naval Transport  
004901809 Ship Technology  
**00493 Wood, Woodworking**

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## 005 Society

**00501 Advertising and Public Relation**  
**00503 Arts**  
**00505 Bibliography**  
**00507 Culture**  
**00509 Demography**  
**00511 Education**  
**00513 Health and Welfare**  
**00515 International Studies**  
**00517 Journalism**  
**00519 Languages**  
**00521 Law**  
**00523 Linguistics**  
**00525 Literature**  
**00526 Medieval Studies**  
**00527 Military Sciences**  
**00529 Pedagogy**  
**00531 Political Science**  
**00533 Public Administration**  
**00535 Sport Sciences**  
**00537 State and Public Safety**  
**00539 Tourism, Recreation, Services**

**005 Society****00501 Advertising and Public Relation****00503 Arts**

0050301 Applied Arts  
0050302 Art Theory  
0050303 Arts Criticism  
0050306 Cinematography  
0050309 Choreography  
0050312 Clothing  
0050313 Conservation and Restoration  
0050315 Decorative Arts  
0050318 Design  
0050321 Fine Arts  
0050324 Fashion  
0050327 Graphic Design  
0050330 Heritage Studies  
0050333 History of Arts  
0050336 Museology  
0050339 Music  
005033909 Electroacoustic Composition  
005033915 Musicology  
0050342 Painting  
0050345 Performing Arts  
0050348 Photography  
0050350 Technology in the Arts  
0050351 Theatre  
0050354 Visual Arts

**00505 Bibliography****00507 Culture**

0050703 African Cultures  
0050706 Ancient Cultures of the Mediterranean World  
0050709 Contemporary Culture  
0050711 Cultural Heritage  
0050712 Cultural History  
0050715 Dutch Culture  
0050718 English Culture  
0050720 Folklore Studies  
0050721 French Culture  
0050724 German Culture  
0050726 Intercultural Studies  
0050727 Italian Culture  
0050730 Spanish Culture  
0050733 Slavic Cultures

**00509 Demography**

0050903 Fertility  
0050906 Geographical Demography  
\*001131309 Human Geography  
0050909 Migration  
0050912 Mortality  
0050915 Demographic Evolution

**00511 Education**

0051103 Adult Education  
0051104 Aesthetic Education  
0051106 Alternative Education  
0051109 Higher Education  
0051112 Indigenous Education  
0051113 Liberal Education  
0051115 Preschool Education  
0051118 Primary Education  
005111809 Physical Education  
0051121 Secondary Education  
0051122 Special Education  
0051124 Vocational Education  
0051127 Youth work

**00513 Health and Welfare**

0051302 Child Welfare  
0051303 Cosmetology  
0051306 Dietetics  
0051309 Environmental Health  
\*003131309 Human development (humanity)

0051312 Mental Health

\*001150515 Nutrition Science

0051313 Optometry

\*001153318 Primary Health Care

\*0011533 Public Health

0051315 Rehabilitation

0051318 Social Care

**00515 International Studies**

0051501 African Studies  
0051503 American Studies  
0051506 Asian Studies  
0051508 Canadian Studies  
0051509 Chinese Studies  
0051512 Dutch Studies  
0051514 European Studies  
0051515 Foreign Policy, Diplomacy  
0051518 Global Studies  
005151803 Globalization  
005151809 Political, Social, Economic, Cultural Relationships  
0051521 International Communication and Cooperation  
0051524 International Organizations  
0051527 Japanese Studies  
0051530 Korean Studies  
0051533 Latin America Studies  
0051536 Middle Eastern Studies.  
0051539 Russian Studies  
0051542 Slavic Studies  
0051545 South and Southeast Asian Studies  
0051548 Turkish Studies

**00517 Journalism**

0051709 Media Studies

**00519 Languages**

0051901 Language Interpretation  
0051903 Medieval Languages  
0051906 Modern Languages  
005190603 African Languages  
005190606 Dutch Language  
005190609 English Language  
005190611 Finnish Language  
005190612 French Language  
005190615 German Language  
005190618 Hebrew and Jewish Studies  
005190621 Italian Language  
005190624 Spanish Language  
005190627 Slavic Languages  
005190630 Swedish Language

**00521 Law**

0052101 Admiralty law  
0052102 Business Law  
0052103 Canon Law  
0052104 Civil Law  
0052106 Constitutional Law  
0052108 Commercial Law  
0052109 Contract Law  
0052112 Criminal Law  
0052115 Criminology  
0052118 Environmental Law  
0052124 European Law  
0052126 History of Law  
0052127 Intellectual Property Law  
0052130 International Law  
0052132 Labour Law  
0052133 Law and Information Technology  
0052134 Maritime Law  
0052135 Private Law  
0052136 Property Law  
0052138 Public Law  
00521386 International Public Law  
00521389 Human Rights

0052139 Religious Law  
0052142 Social Security Law  
0052145 Tax Law  
**00523 Linguistics and Philology**  
0052303 Applied Linguistics  
0052306 Armenian Philology  
0052309 Classical Philology  
0052310 Comparative Linguistics  
0052312 Historical Linguistics  
0052315 Indo-European Linguistics  
0052318 Medieval Latin Philology  
0052321 Romance and Germanic Philology  
0052324 Russian Philology  
0052327 Semiotics Descriptive Linguistics  
**00525 Literature**  
0052503 Classics  
0052504 Creative Writing  
0052506 Modern Literature  
0052509 Literary Analysis  
0052512 Literary Criticism  
0052515 Literary Vocabulary  
**00526 Medieval Studies**  
**00527 Military Sciences**  
**00529 Pedagogy**  
0052903 Educational Theory and Methods  
0052906 Organization of Education  
0052909 Teacher Training

**00531 Political Science**  
0053103 International Relations  
0053106 Political Communication  
0053109 Political Institutions  
0053112 Political Sociology  
0053115 Political Theory  
0053118 Regional Politics  
**00533 Public Administration**  
0053103 Ethics in Public Administration  
0053106 Human Resource Management  
0053109 Policy Analysis  
0053112 Public Governance  
0053115 Public policy  
**00535 Sport Sciences**  
0053509 Human Kinetics  
\*0011539 Sports Medicine  
**00537 State and Public Safety**  
0053703 Customs  
0053709 Public Safety  
\*003030515 Risk Management and Insurance  
0053715 State Safety  
**00539 Tourism, Recreation, Services**  
0053905 Catering, Restaurant  
0053910 Domestic Services  
0053912 Hotel Management  
0053915 Tourism  
\*00303031215 Tourism and Leisure Management