**Doctoral Degree Programs List**

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| --- | --- |
| **First-level discipline** | **Second-level discipline** |
| Mathematics | Fundamental Mathematics |
| Computing Mathematics |
| Applied Mathematics |
| Biological Mathematics |
| Mathematic Physics |
| Operational Research and Cybernetics |
| Physics | Atom and Molecule Physics |
| Condensed Matter Physics |
| Optics |
| Particle Physics and Atomic Nucleus Physics |
| Plasma Physics |
| Quantum Information Physics |
| Single Molecule Science |
| Theoretical Physics |
| Astronomy | Astrophysics |
| Astrometry and Celestial Mechanics |
| Astronomical techniques and methods |
| Optics Engineering | Optical Engineering |
| Electronic Science and Technology | Microelectronics and Solid Electronics |
| Physics Electronics |
| Chemistry | Analytical Chemistry |
| Applied Chemistry |
| Inorganic Chemistry |
| Macromolecule Chemistry and Physics |
| Nanochemistry |
| Organic Chemistry |
| Physical Chemistry |
| Single Molecule Science |
| Materials Science and Engineering | Material Physics and Chemistry |
| Material Science |
| Corrosion Science and Protection |
| Material Processing Engineering |
| Biology | Biochemistry and Molecule Biology |
| Bioinformatics |
| Bio-material |
| Biophysics |
| Cell Biology |
| Genetics |
| Microbiology |
| Neurobiology |
| Structural Biology |
| Bionomics | Ecology |
| Mechanics | Solid Mechanics |
| Hydrodynamics |
| Engineering Mechanics |
| Biological Engineering Mechanics |
| Material Mechanics and Designing |
| Microsystems Mechanics |
| Engineering of Security and Protection Technology |
| Instrument Science and Technology | Measuring and Testing Technologies and Instruments |
| Optomechatronics Integration |
| Precision Instrument and Machinery |
| Power Engineering and Engineering Thermophysics | Engineering Thermophysics |
| Thermal Power Engineering |
| Refrigeration and Microtherm Engineering |
| Electronic Science and Technology | Circuits and Systems |
| Electromagnetism Field and Microwave Technology |
| Information and Communication Engineering | Communication and Information System |
| Signal and Information Process |
| Control Science and Engineering | Control Theory and Control Engineering |
| Testing Technology and Automation Devices |
| Systems Engineering |
| Module Identification and Intelligence System |
| Navigation, Guide and Control |
| Internet Communication System and Control |
| Information Capture and Control |
| Biomedical Engineering | Biomedical Engineering |
| Network Security | Network Security |
| Computer Science and Technology | Computer Software and Theory |
| Computer & Application Technology |
| Computer System Structure |
| Information Safety |
| Geophysics | Geophysics |
| Geology | Geochemistry |
| Mineralogy, Petrology, Mineral Deposit Geology |
| Stratigraphic Paleontology |
| Geobiology |
| Tectonics Geology |
| Environment Science and Engineering | Environment Science and Engineering |
| Statistics | Finance Engineering |
| Probability Theory and Mathematical Statistics |
| Management Science and Engineering | Management Science and Engineering |
| Business Administration | Enterprise Management |
| Financial Management |
| Operation Management |
| Technical Economics and Management |
| Philosophy | Media Culture and Philosophy |
| Philosophy of Science & Technology |
| History of Science and Technology | History of Science and Technology |
| Nuclear Science and Technology | Nuclear Energy Science and Engineering |
| Nuclear Fuel Cycle and Materials |
| Nuclear Technology and Applications |
| Radiation Proof and Environment Protection |
| Safety Science and Engineering | Safety Science and Engineering |