

学院	专业	学科方向
001机械与运载工程学院	080200机械工程	01机械电子工程
		02机械设计与理论
		03机械制造及其自动化
		04矿山机械及其自动化
	080100力学	01固体力学
		02基础力学与力学交叉
002材料科学与工程学院 新材料界面科学与工程教育部重点实验室	080500材料科学与工程	03流体力学
		01材料物理与化学
		02材料学
003电气与动力工程学院	080800电气工程	03材料加工工程
		01电力系统及其自动化
		02电力电子及电力传动
005计算机科学与技术学院（大数据学院）	081200计算机科学与技术	03先进能源技术及控制工程
		01智能感知与数据科学
		02脑认知与医学影像智能分析应用
006土木工程学院	081400土木工程	03数据安全与区块链
		01结构工程
		02岩土工程
		03土木工程材料
		04供热、供燃气、通风及空调工程
007水利科学与工程学院	081500水利工程	05道路与桥梁工程
		01节水理论与技术
008化学工程与技术学院 省部共建煤基能源清洁高效利用国家重点 实验室	081700化学工程与技术	02半干旱区水资源高效利用与保护
		01化学工程
		02化学工艺
		03工业催化
		04应用化学
		05煤高效转化催化剂及其关键技术
06化学工艺（煤化工）		

009矿业工程学院 原位改性采矿教育部重点实验室	080100力学	01工程力学
	081800地质资源与地质工程	01矿产普查与勘探
		02地质工程
		03地质信息技术与工程
	081900矿业工程	01原位改性采矿
		02煤炭绿色高效开采
		03煤炭高效加工利用
		04矿山压力与岩层控制
05煤层气开采与矿井安全		
011环境科学与工程学院	083000环境科学与工程	01环境工程
		02环境科学
		03煤基污染物控制与综合利用
012数学学院	070100数学	01基础数学
		02应用数学
		03运筹学与控制论
014经济管理学院	120100管理科学与工程	01能源工程管理
		02科技与创新管理
		03风险管理与优化决策
		04信息管理与信息系统
023电子信息与光学工程学院 新型传感器与智能控制教育部重点实验室	080300光学工程	01光纤传感及应用
		02光电器件与光子操控
		03微纳光电检测技术
	080900电子科学与技术	01微纳传感技术与器件
		02电路与系统
03物理电子学		
024生物医学工程学院	083100生物医学工程	01生物力学
		02生物医学精准检验与仪器
		03生物材料
031安全与应急管理工程学院	083700安全科学与工程	01煤层气开采与矿井瓦斯防治
		02矿井火灾机理与防治技术
		03矿井智能通风与粉尘防治
		04防灾减灾与应急管理
		05安全管理与系统工程

学院	专业	学科方向
001 College of Mechanical and Vehicle Engineering	080200 Mechanical Engineering	01 Mechatronics Electronics Engineering
		02 Mechanical Design and Theory
		03 Mechatronics Electronics Engineering
		04 Mining machinery and automation
	080100 Mechanics	01 Solid Mechanics (Engineering)
		02 Intersection of foundation mechanics and mechanics
002 College of Materials Science and Engineering Key Laboratory of Interface Science and Engineering in Advanced Materials Ministry of Education	080500 Materials Science and Engineering	03 Hydrodynamics (Engineering)
		01 Materials physics and chemistry
		02 Material science
003 College of Electrical and Power Engineering	080800 Electrical Engineering	03 Materials processing engineering
		01 Power system and its automation
		02 Power electronics and power transmission
005 College of Computer Science and Technology(College of Big Date Science)	081200 Computer Science and Technology	03 Advanced energy technology and control engineering
		01 Intelligent perception and data science
		02 Brain Cognition and Intelligent Analysis of Medical Imaging Applications
006 College of Civil Engineering	081400 Civil Engineering	03 Data security and blockchain
		01 Structural Engineering
		02 Geotechnical Engineering
		03 Civil Engineering Material
		04 Heat, Gas Supply, Ventilation and Air-conditioning Engineering
007 College of Water Conservancy Science and Engineering	081500 Hydraulic Engineering	05 Road and Bridge Engineering
		01 Water saving theory and technology
008 College of Chemical Engineering and Technology State Key Laboratory of Clean and Efficient Coal Utilization	081700 Chemical Engineering and Technology	02 Efficient use and protection of water resources in semi-arid areas
		01 Chemical Engineering
		02 Chemical process
		03 Industrial Catalysis
		04 Applied Chemistry
		05 High-efficiency coal conversion catalyst and its key technology
06Chemical process (Coal chemical industry)		

009 College of Mining Engineering  Key Laboratory of In-situ Modification of Deposit Properties for improving Mining Ministry of Education	080100 Mechanics	01 Engineering Mechanics
	081800 Geological Resources and Geological Engineering	01 Mineral resource prospecting and exploration
		02 Geological Engineering
		03 Geological Information Technology and Engineering
	081900 Mineral Engineering	01 In-situ modification of deposit properties for improving mining
		02 Green and efficient coal mining
		03 Efficient processing and utilization of coal
04 Mine pressure and rock formation control		
05 Coalbed Methane Exploitation and Mine Safety		
011 College of Environmental Science and Engineering	083000 Environmental Science and Engineering	01 Environmental Engineering
		02 Environmental Science
		03 Control and Comprehensive Utilization of Coal-based Pollutants
012 College of Mathematics	070100 Mathematics	01 Basic Mathematics
		02 Applied Mathematics
		03 Operational Research and Cybernetics
014 College of Economics and Management	120100 Management Science and Engineering	01 Energy Engineering Management
		02 Technology and Innovation Management
		03 Risk management and optimization decisions
		04 Information Management and Management Information System
023 College of Electronic Information and Optical Engineering  Key Laboratory of Advanced Transducers and Intelligent Control System, Ministry of Education	080300 Optical Engineering	01 Fiber optic sensing and its applications
		02 Optoelectronic devices and photon manipulation
		03 Micro-nano photoelectric detection technology
	080900 Electronic Science and technology	01 Micro-nano sensing technology and devices
		02 Circuits and Systems
		03 Physical electronics
024 College of Biomedical Engineering	083100 Biomedical Engineering	01 Biomechanics
		02 Biomedical precision testing and instruments
		03 Bio-materials
031 College of Safety and Emergency Management Engineering	083700 Safety Science and Engineering	01 Coalbed Methane Exploitation and Mine Gas Control
		02 Mine fire mechanism and prevention technology
		03 Intelligent ventilation and dust prevention in mines
		04 Disaster prevention and mitigation and emergency management
		05 Safety Management and Systems Engineering