

NPU 2019 MASTER & PHD DEGREES BOOKLET



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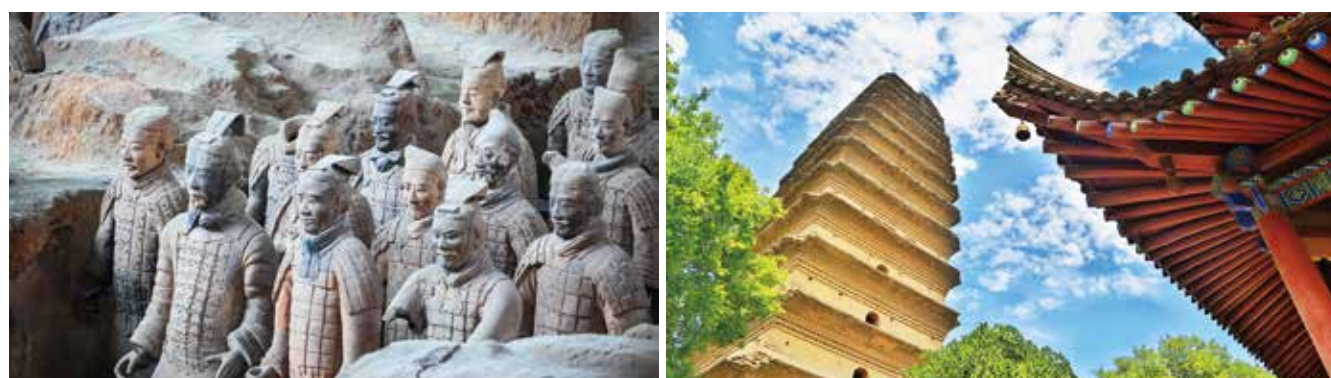
Contact us

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INTRODUCTION OF XI'AN

Xi'an, known as "Chang'an", is one of the four ancient civilizations in the world. It is the first capital of the ancient China. It is the capital with the longest period in China's history, the largest capital in the ancient dynasties, and the most influential capital. It is the cradle of Chinese civilization, and the representative of Chinese culture. Xi'an is the starting point of the famous Silk Road. During the Western Han Dynasty, Emperor Wu of the Han Dynasty dispatched Zhang Qian to the Western Region, officially opening up the "Silk Road" with Chang'an as the starting point and connecting the Eurasian continent. Since then, Chinese embassies, merchants, and envoys of Central Asian, Western, and South Asian countries have been in constant flow. Chinese and foreign commercial trade has developed rapidly, cultural exchanges have become increasingly active, and friendly exchanges have continued to deepen.



INTRODUCTION OF NPU

Northwestern Polytechnical University (NPU), founded in 1938, is located in the historic city of Xi'an. Xi'an is the cradle of Chinese civilization and terminus of the ancient Silk Road, NPU is the only multidisciplinary and research-oriented in China that is simultaneously developing education and research programs in the fields of aeronautics, astronautics, and marine technology engineering. Since the establishment of the People's Republic of China (PRC), NPU has been one of the nation's key universities, and is ranked in the global rankings as 301-400 in Academic Rankings of World Universities for the 2019 year.

One of the 36 Type "A" Universities receiving special support for developing a world-class University and Disciplines.



Global Ranking **301-400**

08 Aerospace Engineering	08 Metallurgical Engineering
49 Mechanical Engineering	51 Automation Control
76 Computer Science	151 Materials Science and Engineering

APPLICATION PROCEDURE

Admission Requirements

- 1. **Nationality**
Applicants must be non-Chinese citizens with a valid ordinary passport.
- 2. **Health condition**
Applicants must offer the valid health checklist and the authorized photocopy.
(For health checklist, please find out at: <http://gjyxy.nwpu.edu.cn/new/rxzb/tjb.htm>)
- 3. **Language requirement**
 - 1) For Chinese Medium: ≥HSK Level 4 or other equivalent, native speakers of Chinese;
 - 2) For English Medium: ≥IELTS overall 5.5 /TOFEL 75 or higher or other equivalent, native speakers of English.
- 4. **Academic background**
All the applicants must have the equivalent degree that has already been recognized by the Ministry of Education of the People's Republic of China. (To see whether your university has been recognized please find out at: <http://www.moe.gov.cn/>)

How to apply

- Step 1** Find out the courses that you would like to study and check the enroll requirement
For master degrees: http://gjyxy.nwpu.edu.cn/new_en/zs/Masters.htm;
For PhD degrees: http://gjyxy.nwpu.edu.cn/new_en/zs/Ph_D_.htm;
> Attached at the end of the booklet or can be found on school websites.
- Step 2** Finish the online application
<http://admission.nwpu.edu.cn/en/index>
- Step 3** Pay the application fee online or transfer
Application fee \$100 USD or ¥600 RMB
- Step 4** Upload all the documents and payment receipt
Application documents
 - 1) Application form (auto-generated after the online registration);
 - 2) A photocopy of a valid passport;
 - 3) Notarized highest diploma (in Chinese/English or notarized in Chinese/English);
 - 4) Personal statement (Self-introduction, studying experiences and a study plan should be included, no less than 800 words);
 - 5) Recommendation letters (in Chinese or English);
 - 6) Official academic transcript (in Chinese or English or notarized in Chinese/English);
 - 7) Language proficiency certificate (please see language requirement);
 - 8) Physical examination report (http://gjyxy.nwpu.edu.cn/new_en/rxzb/Physical_Examination_Record.htm);
 - 9) Award certificates or other supportive materials.> Supplementary documents will be required according to the circumstances of the applicants.



Cost

1).	Tuition fee:					
	Postgraduate	30,000 RMB per year				
	PhD	38,000 RMB per year				
2).	Living cost					
	Campus	Youyi Campus		Chang'an Campus		
	Type of room	A	B	Yun Tian Yuan F	Hai Tian Yuan	
					Shared room	Single room
	Fee(RMB/pp/monthly)	600	900	550	600	900
						Suit room
						1600

Notice: the fee will be changed according to the rules from the related department

Application deadline & key dates

Application period: 2018.11.30 – 2019.5.15
Registration: 2019.8.25 – 2019.9.10

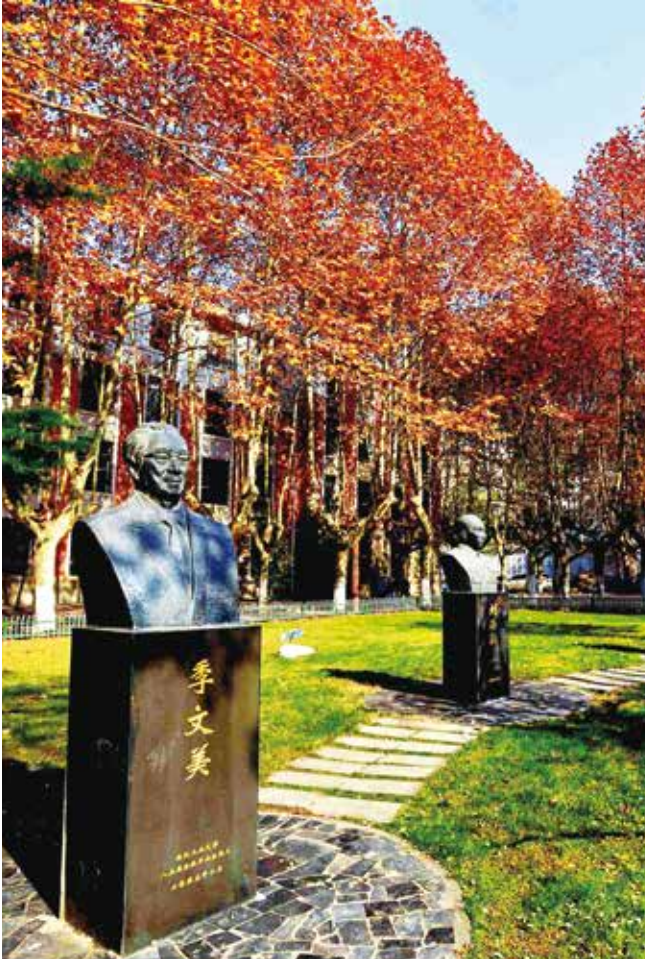
Certification of official documents

- Every page of the document must contain all of the following elements:
- 1. An original stamp bearing the name of the person or organization who verifies the document
 - 2. Words in English to the effect of "I certify that this is a true copy of the original"
 - 3. An original signature
 - 4. The date of certification

SCHOLARSHIP

Chinese Government Scholarship

Chinese Government Scholarship is a full scholarship for designated Chinese universities and certain provincial education offices in specific provinces or autonomous regions to recruit outstanding international students for graduate studies in China.



Eligibility

1. Non-Chinese citizens in good physical and mental health;
2. Applicants who apply for the master's scholarship should get their bachelor's degree and be under 35 years old;
3. Applicants who apply for the PhD scholarship should have their master's degree and be under 40 years old;
4. Applicants are not required to have HSK examination results or Chinese language learning experience because NPU offers classes in English medium;
5. Applicants should have excellent academic marks;
6. Applicants should have strong capacity in scientific research.

Duration and Standard of the Scholarship

Category	Study Duration	Tuition	Dormitory Housing	Stipend	Comprehensive Medical Insurance	1-year Chinese Preparatory Study (Optional)
Master	3 Years	Waived	Waived	3,000RMB/month	Waived	Waived
PhD	4 Years	Waived	Waived	3,500RMB/month	Waived	Waived

Students who are not proficient in Chinese language can apply for Chinese language study for 1 year before their main courses. Please be noticed Chinese teaching medium is compulsory after one year Chinese language course. Attached is the programs for master students and PhD students.

Application period

The application period is from Nov. 15, 2018 to April. 15, 2019.

How to Apply

Please go through <http://www.campuschina.org> to complete the application.

Application Documents Required

1. Application form for Chinese Government Scholarship
2. NPU Application Form for International Students (auto-generated after the online registration)
3. Notarized highest diploma (photocopy)
4. Academic transcripts. (Documents in languages other than Chinese or English must be attached with notarized Chinese or English translations)
5. Two letters of recommendation in English or Chinese by two professors or associate professors
6. A study plan in English or Chinese (not less than 800 words for Master's degree applicants; not less than 1500 words for doctor's degree applicants)
7. Notarized Copies of research achievements
8. Certificate of English/Chinese proficiency
9. A copy of a valid passport
10. Physical Examination form
11. Non-criminal Record

Notice: All application documents will not be returned and incomplete applications will be rejected.

Chinese Government Sino-US Scholarship Program

Sino-US Scholarship Program includes a full or partial scholarship provided by Ministry of Education of China in accordance with educational exchange agreements or consensus between Chinese government and governments of the United States, institutions, universities or international organizations.

Application

Visit the website <http://admission.nwpu.edu.cn> from Nov. 15, 2018 to Mar. 15, 2019 to complete the application for study program.

For more information, please visit the website <http://gjyxy.nwpu.edu.cn/new/jxj/zmrwjxj.htm>.



NPU President Scholarship Program

In order to encourage talented international students' study at NPU, we set up NPU President Scholarship.

Eligibility

1. Applicants should be non-Chinese citizens, and healthy;
2. Applicants who apply for the master's scholarship should have their bachelor's degree and be under 35;
3. Applicants who apply for the PhD scholarship should have their master's degree and be under 40;
4. Applicants are not required to have HSK examination results or Chinese language learning experience because NPU offers classes in the English medium;
5. Applicants should have excellent academic marks;
6. Applicants should have strong capacity in scientific research.

Coverage

For the first prize winners, Exemption from tuition fee; providing free on campus accommodation and living stipend (Master student: 2000RMB/month, Doctoral student: 3500RMB/month). For the second prize winners, tuition fees are waived.

Application period

The application period is from Nov. 15, 2018 to May. 15, 2019.

How to Apply

Visit the website <http://admission.nwpu.edu.cn> to complete the application.

For more information, please visit the website <http://gjyxy.nwpu.edu.cn/info/1153/2963.htm>

Application Documents Required

1. Application form (auto-generated after the online registration);
2. Physical Examination form;
3. Notarized highest diploma;
4. Academic transcripts;
5. Recommendation Letters from two professors;
6. Study plan;
7. Certificate of English/Chinese proficiency;
8. A copy of a valid passport.

***Online interview will be required for the candidates by our experts**

Notice: Application fee is 100USD or 600RMB . Any of the following cases of the winners will lead to the cancellation of the scholarship, and could result in losing tuition waiver if the cases are too serious: (1) absence and leaves (including sick leaves and personal leaves) from lessons adding up to 10 class hours; (2) absence from or cheating on exams; (3) disciplinary punishment of warning or above.



Northwestern Polytechnical University

Majors of English Medium

MASTER & PHD COURSES INDEX

Master

学院 SCHOOL	专业（英文名）MAJORS(ENGLISH)
航空学院 School of Aeronautics	Aircraft Structures and Airworthiness Technology Fluid Mechanics Means of Transport Applied Engineering Flight Vehicle Design
航天学院 School of Astronautics	Navigation, Guidance and Control Aeronautical and Astronautical Science and Technology
航海学院 School of Marine Science and Technology	Acoustics Information and Communication Engineering Naval Architecture and Marine Engineering Armament Science and Technology
材料学院 School of Materials Science and Engineering	Materials Science Materials Processing Engineering
机电学院 School of Mechanical Engineering	Mechanical Engineering
力学与土木建筑学院 School of Mechanics, Civil Engineering and Architecture	Solid Mechanics Civil Engineering
动力与能源学院 School of Power and Energy	Power Engineering and Engineering Thermophysics Aeronautical and Astronautical Science and Technology
电子信息学院 School of Electronics and Information	Electronics Science and Technology Information and Communication Engineering
自动化学院 School of Automation	Electrical Engineering Control Science and Engineering
计算机学院 School of Computer Science and Technology	Computer Science and Technology
理学院 School of Natural and Applied Sciences	Pure Mathematics Computational Mathematics Applied Mathematics Operational Research and Cybernetics Optical Engineering Materials Physics and Chemistry
管理学院 School of Management	Management Science and Engineering Business Administration
人文与经法学院 School of Humanities, Economics and Law	Applied Economics Law
软件与微电子学院 School of Software and Microelectronics	Software Engineering
生命学院 School of Life Sciences	Biology Biomedical Engineering
外国语学院 School of Foreign Languages (本专业只对国别生项目开放 Only for Chinese Government Scholarship-Bilateral Program)	English Language and Literature Foreign Linguistics and Applied Linguistics

Doctor

学院 SCHOOL	专业（英文名）MAJORS(ENGLISH)
航空学院 School of Aeronautics	Aircraft Structures and Airworthiness Technology Fluid Mechanics Means of Transport Applied Engineering Flight Vehicle Design
航天学院 School of Astronautics	Navigation, Guidance and Control Aeronautical and Astronautical Science and Technology
航海学院 School of Marine Science and Technology	Acoustics Information and Communication Engineering Naval Architecture and Marine Engineering Armament Science and Technology
材料学院 School of Materials Science and Engineering	Materials Science Materials Processing Engineering
机电学院 School of Mechanical Engineering	Mechanical Engineering
力学与土木建筑学院 School of Mechanics, Civil Engineering and Architecture	Solid Mechanics
动力与能源学院 School of Power and Energy	Power Engineering and Engineering Thermophysics Aeronautical and Astronautical Science and Technology
电子信息学院 School of Electronics and Information	Information and Communication Engineering Electronics Science and Technology
自动化学院 School of Automation	Electrical Engineering Control Science and Engineering
计算机学院 School of Computer Science and Technology	Computer Science and Technology Software Engineering
理学院 School of Natural and Applied Sciences	Mathematics Optical Engineering Chemistry Materials Physics and Chemistry
管理学院 School of Management	Management Science and Engineering
软件与微电子学院 School of Software and Microelectronics	Software Engineering
生命学院 School of Life Sciences	Biomedical Engineering



Northwestern Polytechnical University

Majors of Chinese Medium

Master

学院 SCHOOL	专业（中文名） MAJORS(CHINESE)	专业（英文名） MAJORS(ENGLISH)
航空学院 School of Aeronautics	流体力学 航空器结构与适航技术 空气动力学 材料学 通信与信息系统 载运工具运用工程 飞行器设计 人机与环境工程 航空航天安全工程 适航技术与管理	Fluid Mechanics Aircraft Structures and Airworthiness Technology Aerodynamics Materials Science Communication and Information Systems Means of Transport Applied Engineering Flight Vehicle Design Man-Machine and Environmental Engineering Aerospace Safety Engineering Airworthiness Technology and Management
航天学院 School of Astronautics	工程热物理 导航、制导与控制 交通运输规划与管理 飞行器设计 航空宇航推进理论与工程 空间应用科学与工程 兵器科学与技术	Engineering Thermophysics Navigation, Guidance and Control Transportation Planning and Management Flight Vehicle Design Aerospace Propulsion Theory and Engineering Space Applied Science and Engineering Armament Science and Technology
航海学院 School of Marine Science and Technology	声学 流体力学 机械电子工程 热能工程 电力电子与电力传动 通信与信息系统 信号与信息处理	Acoustics Fluid Mechanics Mechatronic Engineering Thermal Power Engineering Power Electronics and Power Drives Communication and Information Systems Signal and Information Processing
航海学院 School of Marine Science and Technology Structure	控制理论与控制工程 检测技术与自动化装置 船舶与海洋结构物设计制造 水声工程 兵器科学与技术 环境科学 环境工程	Control Theory and Control Engineering Detection Technology and Automatic Equipment Design and Construction of Naval Architecture and Ocean Underwater Acoustics Engineering Armament Science and Technology Environmental Science Environmental Engineering
材料学院 School of Materials Science and Engineering	材料学 材料加工工程	Material Science Materials Processing Engineering
机电学院 School of Mechanical Engineering	机械制造及其自动化 机械电子工程 机械设计及理论 车辆工程 微机电系统及纳米技术 工业设计 工业工程 仪器科学与技术 电气工程 航空宇航制造工程 管理科学与工程 设计学	Mechanical Manufacturing and Automation Mechatronic Engineering Mechanical Design and Theory Vehicle Engineering MEMS and Nanotechnology Industrial Design Industrial Engineering Instrument Science and Technology Electrical Engineering Manufacturing Engineering of Aerospace Vehicle Management Science and Engineering Design Science

学院 SCHOOL	专业（中文名） MAJORS(CHINESE)	专业（英文名） MAJORS(ENGLISH)
力学与土木建筑学院 School of Mechanics, Civil Engineering and Architecture	一般力学与力学基础 固体力学 工程力学 建筑历史与理论 建筑设计及其理论 城市设计及其理论 土木工程 交通运输工程	General and Fundamental Mechanics Solid Mechanics Engineering Mechanics Architectural History and Theory Architectural Design and Theory Urban Design and Theory Civil Engineering Traffic Engineering
动力与能源学院 School of Power and Energy	工程热物理 热能工程 动力机械及工程 流体机械及工程 风能和太阳能系统及工程 信号与信息处理 控制理论与控制工程 航空宇航推进理论与工程	Engineering Thermophysics Thermal Power Engineering Kinetic Energy Machinery and Engineering Fluid Machinery and Engineering Wind Energy and Solar Energy Systems and Engineering Signal and Information Processing Control Theory and Engineering Aerospace Propulsion Theory and Engineering
电子信息学院 School of Electronics and Information	教育技术学 电气工程 物理电子学 电路与系统 微电子学与固体电子学 电磁场与微波技术 航空电子综合技术 通信与信息系统 信号与信息处理 系统工程 生物医学工程	Education Technology Electrical Engineering Physical Electronics Circuits and Systems Microelectronics and Solid State Electronics Electromagnetic Field and Microwave Technology Avionics Integration Communication and Information Systems Signal and Information Processing Systems Engineering Biomedical Engineering
自动化学院 School of Automation	机械电子工程 仪器科学与技术 电气工程 控制科学与工程 计算机科学与技术 交通运输工程	Mechatronic Engineering Instrument Science and Technology Electrical Engineering Control Science and Engineering Computer Science and Technology Traffic Engineering
计算机学院 School of Computer Science and Technology	计算机科学与技术 软件工程	Computer Science and Technology Software Engineering
理学院 School of Natural and Applied Sciences	统计学 基础数学 计算数学 概率论与数理统计 应用数学 运筹学与控制论 凝聚态物理 光学 物理化学 高分子化学与物理 系统分析与集成 光学工程 材料物理与化学 材料学 材料加工工程 化学工艺 应用化学 环境工程 生物医学工程	Statistics Fundamental Mathematics Computational Mathematics Probability and Statistics Applied Mathematics Operational Research and Cybernetics Condensed Matter Physics Optics Physical Chemistry Chemistry and Physics of Polymers System Analysis and Integration Optics Engineering Materials Physics and Chemistry Materials Science Materials Processing Technology Chemical Technology Applied Chemistry Environmental Engineering Biomedical Engineering

学院 SCHOOL	专业（中文名） MAJORS(CHINESE)	专业（英文名） MAJORS(ENGLISH)
管理学院 School of Management	管理科学与工程 企业管理	Management Science and Engineering Enterprise Management
人文与经法学院 School of Humanities, Economics and Law	应用经济学 宪法学和行政法学 民商法学 经济法学 高等教育学 体育教育训练学 公共管理 艺术学	Applied Economics Constitutional Law and Administrative Law Civil and Commercial Law Economics Law Higher Education Sports Education Training Public Management Art
软件与微电子学院 School of Software and Microelectronics	软件工程	Software Engineering
生命学院 School of Life Sciences	生物学 生物医学工程	Biology Biomedical Engineering
外国语学院 School of Foreign Languages (本专业只对国别生项目开放 Only for Chinese Government Scholarship-Bilateral Program)	英语语言文学 外国语言学及应用语言学	English Language and Literature Foreign Language and Literature and Applied Linguistics
马克思主义学院 School of Maxism	马克思主义中国化研究 思想政治教育 中国近现代史基本问题研究 马克思主义基本原理	The Research of Marxism in the Chinese Content Ideological and Political Education The Research on the Basic Problems of Chinese Modern History Basic Principles of Marxism

Doctor

学院 SCHOOL	专业（中文名） MAJORS(CHINESE)	专业（英文名） MAJORS(ENGLISH)
航空学院 School of Aeronautics	固体力学 流体力学 航空器结构与适航技术 空气动力学 载运工具运用工程 飞行器设计 航空航天安全工程 适航技术与管理	Solid Mechanics Fluid Mechanics Aircraft Structures and Airworthiness Technology 0801Z3 Aerodynamics Vehicle Operation Engineering Aircraft Design Aerospace Safety Engineering Airworthiness Technology and Management
航天学院 School of Astronautics	动力工程及工程热物理	Power Engineering and Engineering Thermal Physics
航天学院 School of Astronautics	导航、制导与控制 交通运输工程（按一级学科授权） 飞行器设计 航空宇航推进理论与工程 空间应用科学与工程 兵器科学与技术（按一级学科授权）	Navigation, Guidance and Control Transportation Engineering(Authorized as level 1 discipline) Aircraft Design Aerospace Propulsion Theory and Engineering Space Applied Science and Engineering Armament Science and Technology(Authorized as level 1 discipline)
航海学院 School of Marine Science and Technology	声学 信息与通信工程（按一级学科授权） 船舶与海洋结构物设计制造 水声工程 兵器科学与技术（按一级学科授权）	Acoustics Information and Communication Engineering(Authorized as level 1 discipline) Design and Manufacture of Ships and Marine Structures Underwater Acoustic Engineering Armament Science and Technology(Authorized as level 1 discipline)

学院 SCHOOL	专业（中文名） MAJORS(CHINESE)	专业（英文名） MAJORS(ENGLISH)
材料学院 School of Materials Science and Engineering	光学工程（按一级学科授权） 材料物理与化学 材料科学 材料加工工程	Optical Engineering(Authorized as level 1 discipline) Material Physics and Chemistry Material Science Material Processing Engineering
机电学院 School of Mechanical Engineering	机械制造及其自动化 机械电子工程 机械设计及理论 车辆工程 微机电系统及纳米技术 工业设计 工业工程 仪器科学与技术（按一级学科授权） 航空宇航制造工程 管理科学与工程（按一级学科授权）	Mechanical Manufacturing and Automation Mechanical Electrical Engineering Mechanical Design and Theory Vehicle Engineering Microelectromechanical System and Nanotechnology Industrial Design Industrial Engineering Instrument Science and Technology(Authorized as level 1 discipline) Aerospace Manufacturing engineering Management of science and engineering(Authorized as level 1 discipline)
力学与土木建筑学院 School of Mechanics, Civil Engineering and Architecture	力学（按一级学科授权）	Mechanics
动力与能源学院 School of Power and Energy	动力工程及工程热物理 （按一级学科授权） 航空宇航科学与技术 （按一级学科授权）	Power engineering and engineering thermal physics (Authorized as level 1 discipline) Aerospace science and technology (Authorized as level 1 discipline)
电子信息学院 School of Electronics and Information	电子科学与技术（按一级学科授权） 信息与通信工程 （按一级学科授权） 控制科学与工程（按一级学科授权）	Electronic science and technology(Authorized as level 1 discipline) Information and communication engineering (Authorized as level 1 discipline) Control science and engineering(Authorized as level 1 discipline)
自动化学院 School of Automation	仪器科学与技术 （按一级学科授权） 电气工程（按一级学科授权） 控制科学与工程 （按一级学科授权） 计算机科学与技术 （按一级学科授权） 交通运输工程（按一级学科授权）	Instrument Science and Technology (Authorized as level 1 discipline) In electrical engineering(Authorized as level 1 discipline) Control science and engineering (Authorized as level 1 discipline) Computer science and technology (Authorized as level 1 discipline) Transportation engineering(Authorized as level 1 discipline)
计算机学院 School of Computer Science and Technology	计算机科学与技术 （按一级学科授权） 软件工程（按一级学科授权）	Computer science and technology (Authorized as level 1 discipline) Software engineering(Authorized as level 1 discipline)
理学院 School of Natural and Applied Sciences	数学（按一级学科授权） 物理学（按一级学科授权） 化学（按一级学科授权） 光学工程（按一级学科授权） 材料物理与化学 材料科学 材料加工工程	Mathematics(Authorized as level 1 discipline) Physics(Authorized as level 1 discipline) Chemistry(Authorized as level 1 discipline) Optical engineering(Authorized as level 1 discipline) Material physics and chemistry Material science Material processing engineering
管理学院 School of Management	管理科学与工程 （按一级学科授权）	Management of Science and Engineering (Authorized as level 1 discipline)
软件与微电子学院 School of Software and Microelectronics	软件工程（按一级学科授权）	Software Engineering(Authorized as level 1 discipline)
生命学院 School of Life Sciences	生物医学工程 （按一级学科授权）	Biological Medical Engineering (Authorized as level 1 discipline)
马克思主义学院 School of Maxism	思想政治教育	Ideological and Political Education