



河南工学院
HENAN INSTITUTE OF TECHNOLOGY

国家 公办 本科高校



HAIT

河南工学院对外交流合作处

Henan Institute of Technology (HAIT)

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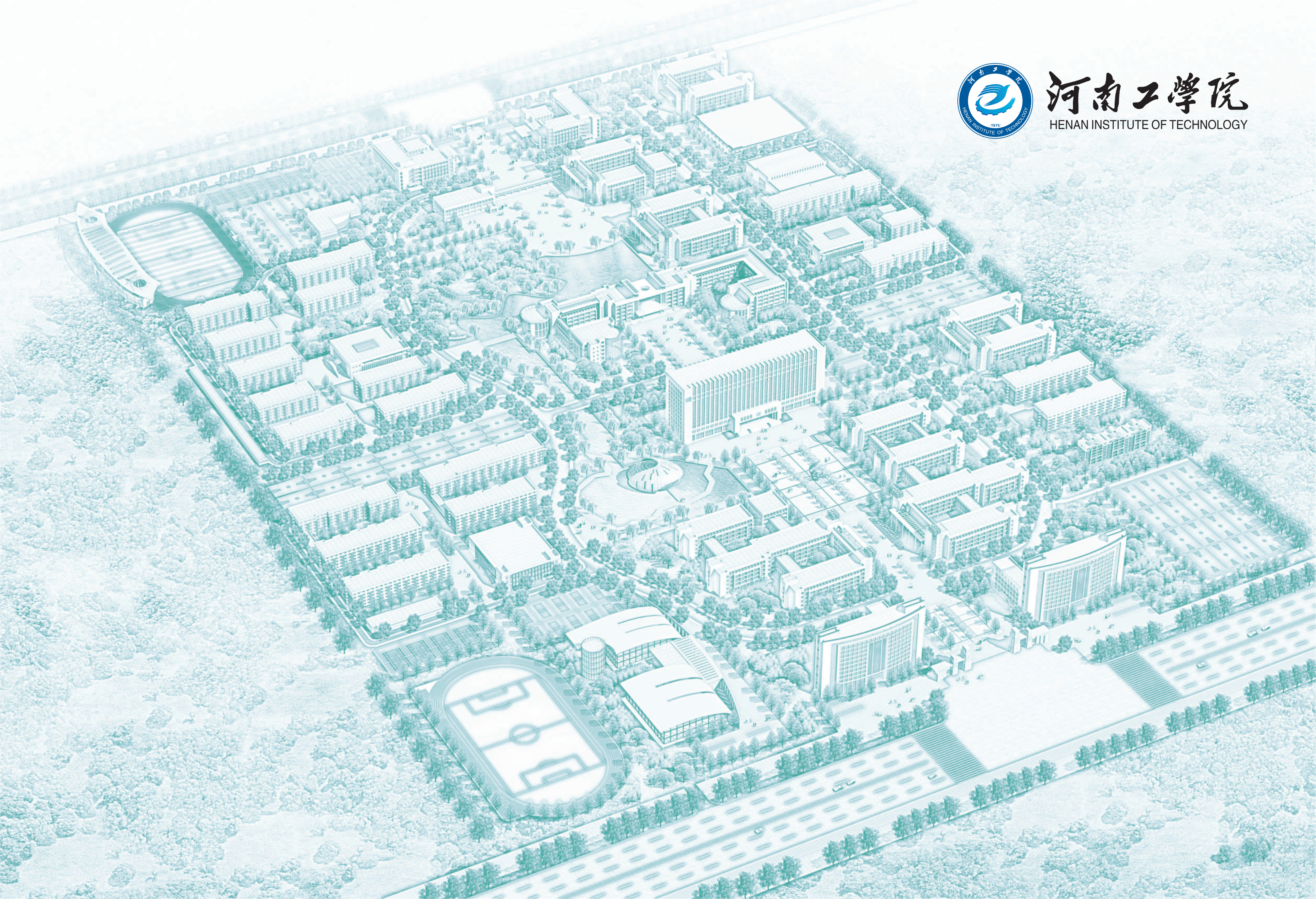
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河南工学院
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CONTENTS

目录

致辞 SPEECH

学校简介 ABOUT US

部分专业介绍 UNDERGRADUATE PROGRAMS

机械工程学院
01\School of Mechanical Engineering PAGE 01

电气工程与自动化学院
02\School of Electrical Engineering & Automation PAGE 01

材料科学与工程学院
03\School of Material Science & Engineering PAGE 01

车辆与交通工程学院
04\School of Vehicle & Traffic Engineering PAGE 01

智能工程学院
05\School of Intelligent Engineering PAGE 01

电子信息工程学院
06\School of Electronic Information Engineering PAGE 01

电缆工程学院
07\School of Cable Engineering PAGE 01

计算机科学与技术学院
08\School of Computer Science and Technology PAGE 01

管理学院
09\School of Management PAGE 01

经济学院
10\School of Economics PAGE 01

外国语学院
11\School of Foreign Languages PAGE 01

艺术设计学院
12\School of Art Design PAGE 01

致辞 SPEECH

河南工学院在工学结合中诞生、在校企合作中发展，在近半个世纪的办学历程中，积淀了深厚的历史文化和丰富的办学资源；形成了“厚德、博学、求实、创新”的校训和“开拓进取、自强不息”的学校精神。

Henan Institute of Technology was founded under the educational mode integrating academic learning and industrial application, and has developed itself through school-enterprise cooperation. In the course of nearly half a century of school running, it values its history, culture and rich school-running resources, and has formed a motto that emphasizes “morality, erudition, truth, and innovation” and an ideal of “pioneering and enterprising through self-improvement”.

学校积极开展多渠道、高层次、实质性的国际合作与交流活动，我们希望通过国际化办学项目设置，与友好学校建立战略合作伙伴关系，搭建良好的合作交流平台，在学科建设、人才培养、科学研究、成果转化等方面全面合作，构建新时代国际合作与交流的新格局。

Henan Institute of Technology(HAIT) attaches great importance to multi-channel, high-level, and substantive international cooperation and exchanges. We hope to establish strategic partnerships with international schools through joint education programs. We will work hard to build enabling platforms for all-round international exchange and cooperation, and usher in a new phase of joint development in scientific research, personnel training, as well as commercialization of scientific and technological achievements. Thank you!

陈丙义



学院简介

ABOUT US



河南工学院是省属公办全日制普通本科院校，位于豫北名城新乡市，始建于1975年。学校是全国就业先进单位、全国毕业生就业典型经验高校、河南省示范性应用技术类型本科高校、河南省文明校园标兵、河南省平安校园。

学校在工学结合中诞生、在校企合作中发展，有较深厚的历史积淀和较丰富的办学资源。在近半个世纪的办学历程中，逐步铸炼形成了“厚德、精技、求实、创新”的校训、“团结、创造、竞争、快乐”的校风、“修德、爱生、敬业、善育”的教风、“勤学善思、知行合一”的学风，沉淀了“开拓进取、自强不息”的河工精神，学校校风淳、教风正、学风浓。目前，学校全日制在校生20000余名，教职工1100余人，占地面积1220亩，校舍建筑面积56多万平方米，馆藏适用纸质图书171万余册，电子图书26余万册；教学科研仪器设备总值2.6亿余元。

国家先进就业机构	National Advanced Institution of Employment
全国高等教育机构就业模式	National Employment Model of Higher Education Institutions
河南省应用技术示范单位	Exemplary applied technology institution in Henan
国家就业50强	Top 50 National Employment Institution

Henan Institute of Technology(HAIT), located in Xinxiang which is a famous city in northern Henan, is a provincial public undergraduate college. Founded in 1975, HAIT has been awarded the “National Advanced Institution of Employment”, the “National Employment Model of Higher Education Institutions”, the “Exemplary Applied Technology Institution in Henan Province”, the “Civilized Campus Model in Henan Province”, and the “Safe Campus in Henan Province”.

HAIT, born in the integration of working and learning and developed in school-enterprise cooperation, possesses profound historical accumulation and abundant educational resources. In the course of running a college for nearly half a century, the motto of “Virtuous, Skilled, Pragmatic and Innovative”, the school spirit of “United, Creative, Competitive and Happy”, the teaching ethics of “Cultivating virtues, Loving students, Working diligently and Educating moral”, and the academic atmosphere of “Working hard, Thinking critically, and Combining knowledge with action” have been gradually formed, which all together precipitate the ideal of HAIT, that is “Pioneering, Enterprising and Self-improving”. At present, HAIT has more than 20,000 full-time students and more than 1,100 faculty members. It covers an area of 201 acres and the building area is more than 560,000 square meters. The library occupies more than 1.71 million books and more than 260,000 e-books. The total value of teaching and research equipments is more than 260 million yuan.

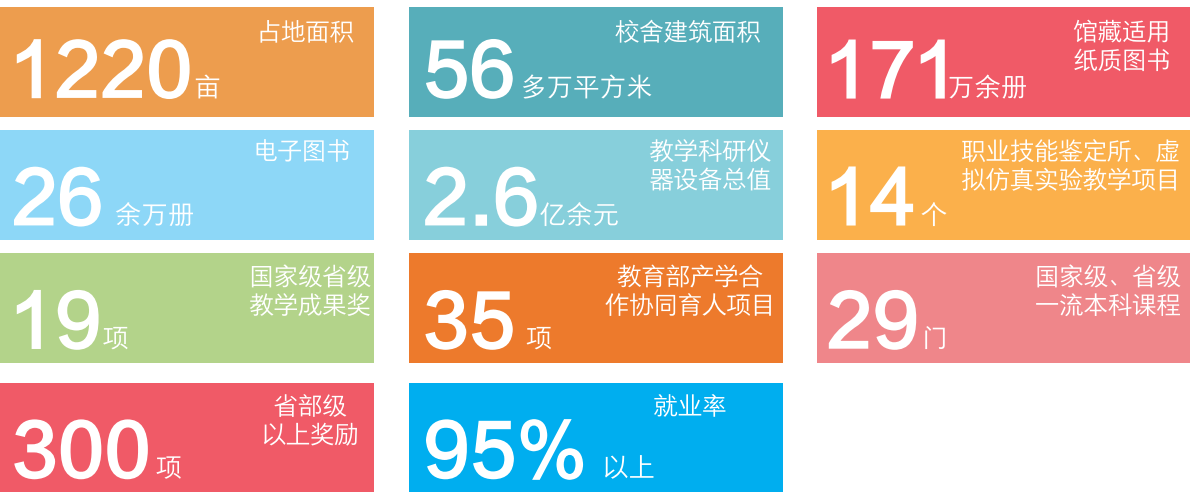
学校坚持以学科专业建设为龙头，优化学科专业结构。目前，学校设有15个学院（部），37个本科专业，拥有省级重点培育学科、省级一流本科专业建设点和省级以上特色（示范、名牌）专业28个，形成了智能制造、新能源材料、电缆工程等特色学科，初步构建了以工学为主，工学、管理学、经济学、文学、艺术学五大学科门类协调发展的学科专业体系。

学校大力实施人才建设工程，推进高端人才集聚。现有专任教师970多名，具有高级职称教师300多人，聘请院士、长江学者、兼职教授等20余人，拥有国务院政府特殊津贴专家、国家级教学名师、百千万人才工程国家级人选、省优秀专家、省级学术技术带头人等110多名，省级优秀教学团队2个。

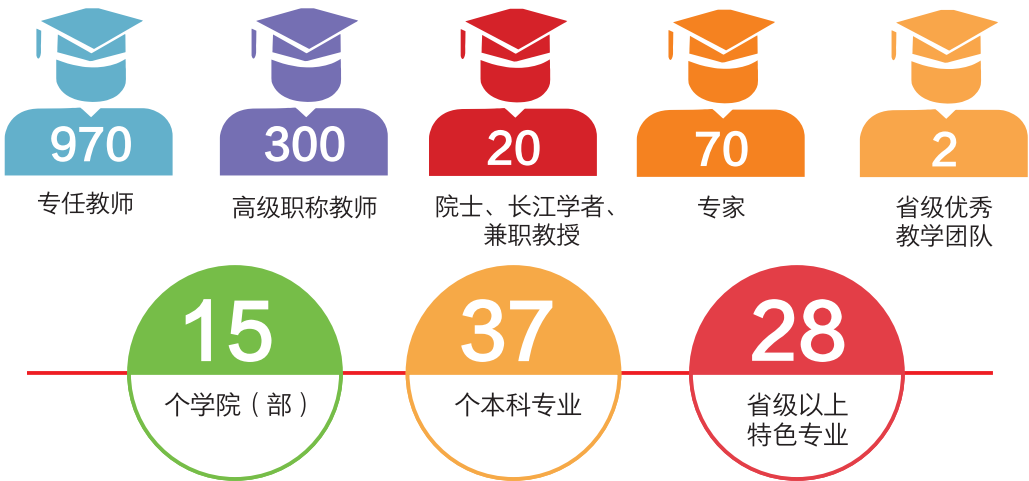
HAIT insists on optimizing the structure of disciplines and majors. At present, there are 15 schools (departments), 37 undergraduate majors, and 28 provincial-level key disciplines, provincial-level first-class undergraduate major construction sites, and provincial-level special (exemplary, famous) majors, forming its characteristic disciplines such as intelligent manufacturing, new energy materials and cable engineering. HAIT has initially established a discipline and professional system with engineering as the mainstay and the coordinated development of five disciplines including engineering, management, economics, literature and art.

HAIT vigorously implements the talent construction project and promotes the gathering of high-end talents. There are more than 970 full-time teachers, with more than 300 ones enjoy senior professional titles. Meanwhile, HAIT invites more than 20 academicians, Changjiang scholars, and part-time professors, etc. More than 110 staff enjoy special government allowances from the State Council, or are awarded as the “Nationally Outstanding Teachers”, national candidates for the National Talent Project, provincial outstanding experts, and provincial academic and technical leaders. 2 teaching groups are rewarded as provincial excellent teaching teams.

学校坚持立德树人，教育教学成果丰硕。学校是全国高校实践育人创新创业基地、河南省职业教育双师型教师培训培养基地高校。拥有国家级、省级示范性实训基地、职业技能鉴定所、虚拟仿真实验教学项目14个，获得国家级省级教学成果奖19项、教育部产学研协同育人项目35项，拥有29门国家级、省级一流本科课程。近5年来，学生在中国“互联网+”大学生创新创业大赛、“挑战杯”河南省大学生课外学术科技作品竞赛、全国大学生电子设计竞赛、全国大学生数学建模竞赛等各类学科竞赛中获省部级以上奖励300多项。毕业生综合素质深受用人单位好评，就业质量逐年提升，就业率始终保持在95%以上。



HAIT is the National University Practice Education Innovation and Entrepreneurship Base, and the Henan Vocational Education Double-qualified Teacher Training Base. It has 14 national or provincial demonstrative training bases, vocational skills appraisal institutes, and virtual simulation experiment teaching projects. It has won 19 national or provincial teaching achievement awards, 35 industry-university cooperative education projects of the Ministry of Education, 29 national and provincial first-class courses as well. In the past 5 years, students have won more than 300 provincial or ministerial awards in various discipline competitions such as the China “Internet +” College Student Innovation and Entrepreneurship Competition, the “Challenge Cup” Extracurricular Academic Science and Technology Competition, the National College Student Electronic Design Competition, and the National College Student Mathematical Modeling Competition. The comprehensive quality of graduates is well received by employers, and the employment rate has always remained above 95%.



学校重视科技创新，服务社会成效显著。建有1个省级重点实验室、10个省级工程（技术）中心。近年来，学校主持承担国家自然科学基金项目等省级以上科研项目200多项，以第一作者单位在SCI、EI、CSSCI等期刊上发表学术论文300多篇，出版学术著作、教材80余部，获批专利110多项，为企业提供技术咨询服务420多项，学校被评为河南省知识产权综合能力提升专项行动“十快”高校。

学校坚持开放办学，国际合作迈出坚定步伐。积极响应共建“一带一路”教育行动，与德国、英国、加拿大、韩国等国家（或地区）的知名高校或机构开展实质性合作，引进优质教育资源和办学理念，促进办学水平提升。

站位新时代，开启新征程。全校师生员工，不忘初心，开拓进取，抢抓机遇，乘势而为，推动事业高质量发展，为把学校建设成特色鲜明、优势突出的高水平应用型大学而努力奋斗。

HAIT attaches great importance to technological innovation and has achieved remarkable results in serving the society. There are 1 provincial key laboratory and 10 provincial engineering (technical) centers. In recent years, its staff have presided more than 200 scientific research projects at or above the provincial level, and published academic papers in SCI, EI, CSSCI and other journals as the first author. More than 300 articles, 80 academic works and textbooks have been published. It has been rated as one of the “top ten” universities in Henan Province’s special action for the improvement of comprehensive intellectual property capabilities with over 110 patents having been approved, and more than 420 technical consulting services having been provided for enterprises.

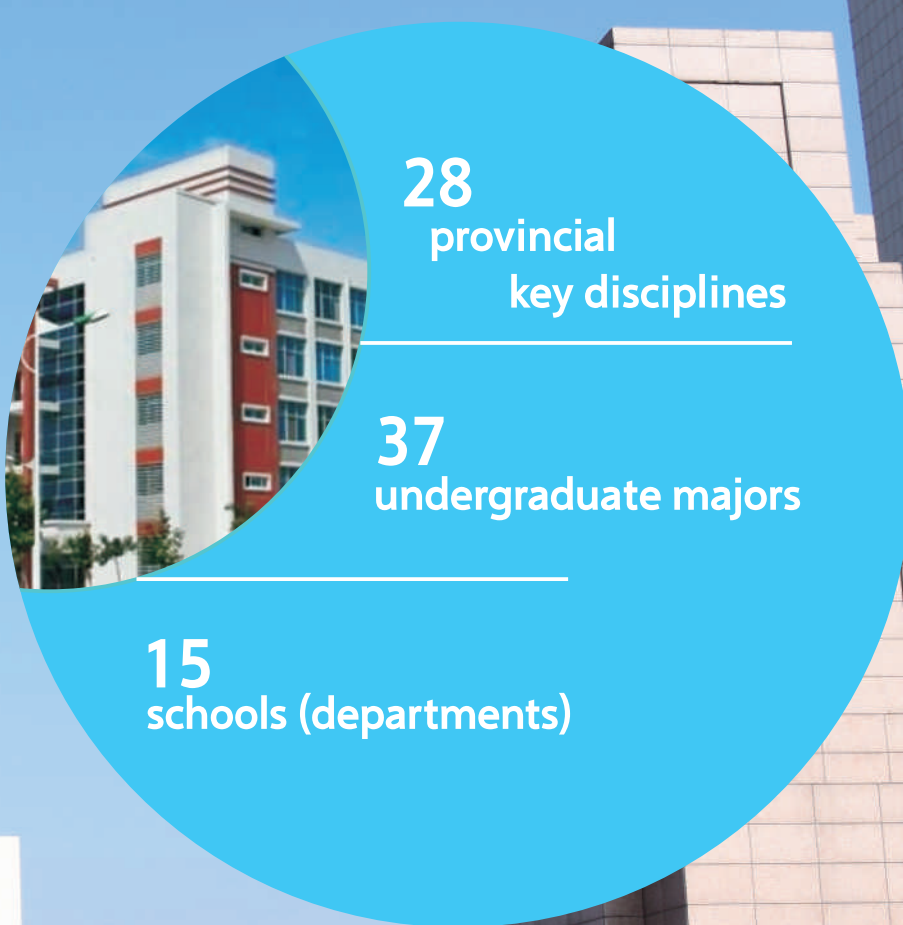
HAIT sticks to the priority of open education, and international cooperation has taken firm steps. Actively responding to the joint construction of the “Belt and Road” education initiative, it carries out substantive cooperation with well-known universities or institutions in Germany, the United Kingdom,

Canada, South Korea and other countries (or regions) to introduce high-quality educational resources and running concepts, and promote the college-running standards.

All teachers and students will remain true to our original aspiration, forge ahead and seize opportunities to promote high-quality development of HAIT and strive to build it into a high-level applied institute with distinctive characteristics and outstanding advantages.



部分专业介绍
UNDERGRADUATE
PROGRAMS



28
provincial
key disciplines

37
undergraduate majors

15
schools (departments)

机械工程学院

SCHOOL OF MECHANICAL ENGINEERING

机械设计制造及其自动化专业



河南省名牌建设专业。专业设有机械制造工艺、数字化设计与制造两个人才培养方向，建有河南省首批高等学校优秀教学团队及4个市级工程技术中心。有26个实验实训基地，有五轴联动数控机床、3D打印机等先进仪器设备。该专业师资力量雄厚，其中教授及博士22人、外聘专家15人。学生多次获得全国技能大赛一等奖。

授予学位：工学学士学位

职业前景：工程师、高级工程师、产品设计总监、高级工艺师、营销经理等。aftsman, marketing manager, etc.

机械电子工程专业



河南省高等学校专业综合改革试点专业。是机械、电子、计算机、控制等多学科交叉融合专业，该专业拥有国家级“数控技术”和“机器人技术”实验实训基地、省级机器人技术研究中心。具有先进完备的教学科研设施及实验设备，与国内知名企业共建机器视觉研究实验室、智能制造控制系统及集成技术研究所等科研平台，学术成果丰硕，是河南省机械电子和智能制造高素质人才培养的摇篮。

Program of Mechanical Designand Manufacturing and Automation Engineering

As a first-class program renowned in Henan Province, the program has two training orientations, mechanical manufacturing technology, as well as digital design and manufacturing. The program features the first batch of provincially awarded teaching team, as well as 4 municipal engineering technology centers. There are 26 experimental training bases, equipped with five-axis CNC, 3D printers and other advanced apparatus and equipment. Outstanding faculty members include 12 professors, 6 doctoral degree holders, and 15 external experts. Students of the program have won a great number of first prizes in national skill competitions.

Degree conferred: Bachelor of Engineering

Career prospects: engineer, senior engineer, product design director, senior cr



Program of Mechatronic Engineering

It is a program under a pilot provincial project for comprehensive reform in institutions of higher learning. It is an inter-disciplinary program involving machinery, electronics, computer, and control. This program has National Training Bases for Numerical Control Technology and Robot Technology, as well as a Provincial Robotics Technology Research Center. The program has enabling facilities and experimental equipment for teaching and scientific research. It has scientific research platforms including machine vision research laboratories, intelligent manufacturing control systems and integrated technology research institutes

授予学位：工学学士学位

职业前景：产品设计工程师、工艺设计工程师、系统集成工程师等。

智能制造工程专业



智能制造工程专业是机械工程、控制科学与工程、计算机科学与技术等多学科交叉融合专业，该专业是河南省机电装备数字化设计与制造工程技术研究中心、新乡市新产品快速制造工程技术研究中心、新乡市复杂型面数控加工工程技术研究中心、新乡市增材制造工程技术研究中心、新乡市机电产品数字化设计与制造重点实验室。该专业拥有一支由河南省学术带头人、省优秀专家、河南省骨干教师等组成的省级优秀教学团队，具有先进完备的教学科研设施及实验设备，是河南省智能制造领域高素质人才培养的摇篮。

授予学位：工学学士学位

职业前景：智能制造系统架构师、智能制造装备研发工程师、系统集成工程师、智能装备及生产线操作、调试与维护工程师、数字化车间装备及系统管理工程师等。

established jointly with well-known domestic enterprises. With fruitful academic achievements, the program cultivates well-trained personnel in mechanical, electronic and intelligent manufacturing in Henan Province.

Degree conferred: Bachelor of Engineering

Career prospects: product design engineer, process design engineer, system integration engineer, etc.

Program of Intelligent Manufacturing Engineering

It is an inter-disciplinary program involving mechanical engineering, control science and engineering, as well as computer science and technology. The program is supported by Henan Research Center of Digital Design and Manufacturing Engineering Technology for Mechanical and Electrical Equipment. The program has also established Xinxiang Research Center of Rapid Manufacturing Engineering Technology for New Products, Xinxiang Technology Center of Complex Surface CNC Machining Engineering, Xinxiang Research Center of Additive Manufacturing Engineering, Xinxiang Key Laboratory of Digital Design and Manufacturing for Mechanical and Electrical Products. This program has a teaching team composed of provincial academic leaders, outstanding experts, and backbone teachers. With advanced teaching and research facilities and experimental equipment, the program cultivates well-trained personnel in intelligent manufacturing in Henan Province.

Degree conferred: Bachelor of Engineering

Career prospects: intelligent manufacturing system architect, intelligent manufacturing equipment research and development engineer, system integration engineer, intelligent equipment and production line operation, debugging and maintenance engineer, digital workshop equipment and system management engineer, etc.



电气工程与自动化学院

SCHOOL OF ELECTRICAL ENGINEERING AND AUTOMATION

电气工程及其自动化专业



电气工程及其自动化专业面向电力行业、电气装备制造培养电能生产、传输、变换、分配和控制方面专业技术人才。该专业师资力量雄厚，具备良好的教学科研条件，拥有电工、电子、电机、电力系统综合自动化、微机保护、高电压、600MW发电厂仿真系统、220kV/110kV变电站仿真系统等实验实训室，拥有省级工程技术研究中心、市级工程技术研究中心、市级重点实验室，共建10多个校外实习基地，是河南省电气工程师人才培养和技术研发基地。

授予学位：工学学士学位

职业前景：国家电网公司、电力设计院、电力建设部门、发电厂、电力设备生产企业以及大型电力用户的电气工程师、项目经理、总工程师等。

自动化专业



自动化专业是河南省级特色建设专业，该专业以自动控制理论为基础，以电力电子技术、传感器技术、计算机技术、网络与通信技术为主要工具，具有“控(制)管(理)结合，强(电)弱(电)并重，软(件)硬(件)兼备”的鲜明特点，是理、工、文、管多学科交叉的宽口径工科专业。该专业建有国家级自动化实训基地、工业测控电器系统工程技术研究中心、工业控制网络技术重点实验室；与罗克韦尔公司、西门子公司、汇川公司联合共建有多个科研、实习实训中心，是自动化人才培养的摇篮以及科学研究和技术开发基地。

Program of Electrical Engineering and Automation

The program cultivates skilled personnel in the fields of electric energy production, transmission, conversion, distribution and control for the electric power industry and electrical equipment manufacturing industry. The program is supported by excellent teaching staff with desirable teaching and research conditions. It has experimental training labs for electrical engineering, electronics, motors, comprehensive automation of power system, microcomputer protection, high voltage, 600MW power plant simulation system, and 220kV/110kV substation simulation system. It also features a Provincial Engineering Technology Research Center, a Municipal Engineering Technology Research Center, and a Municipal Key Laboratory. With more than 10 off-campus internships and training bases built jointly with enterprises, the program is dedicated to personnel training and R&D for electrical engineering in Henan Province.

Degree conferred: Bachelor of Engineering

Career prospects: electrical engineers, project managers, chief engineers, etc. working for the State Grid Corporation of China, electric power design institutes, electric power construction departments, power plants, power equipment manufacturers, and large power consumers.

Program of Automation

It is a first-class characteristic program renowned in Henan Province. Closely connected with automatic control theory, electronics technology, sensor technology, computer technology, network and communication technology, it integrates control and management, strong current and weak current, as well as software and hardware. It is an engineering program involving science, engineering, arts, and management. Therefore, the students are expected to find diverse scope of jobs after graduation. The program has a National Automation Training Base, a Research Center of Industrial Measurement and Control System for Electrical Engineering Technology, and a Key Laboratory for Industrial Control Network Technology. There are a number of research and internships center jointly established with Rockwell, Siemens, and INOVANCE. Dedicated to students' training and R&D, the program cultivates skilled personnel specialized in product development, engineering design, applied research and technology management in the field of manufacturing automation, motion control, process

该专业主要培养在生产制造自动化、运动控制、过程控制、机器人控制、智能测控系统等领域从事产品开发、工程设计、应用研究和技術管理工作的高素质应用型人才。

授予学位：工学学士学位

职业前景：研发高级工程师、系统集成设计工程师、技术总监、技术支持工程师等。



智能电网信息工程专业



智能电网信息工程是针对国家在新能源、新材料、信息化等战略性新兴产业的发展需要，紧密结合国家智能电网建设所开设的一个新兴交叉学科专业。以智能电网为背景，引入信息技术与控制技术，注重智能电网信息系统设计，以计算机技术、网络技术和通信技术在电力系统中的应用为侧重点，强调科学理论与实际应用的相互结合。该专业师资力量雄厚，拥有3个省、市级工程技术研究中心与重点实验室、智能电网、新能源风光互补发电系统、电力系统综合自动化等综合研究室，与省内外电力公司、电力研究院共建数十个实习基地，是智能电网信息工程的人才培养和技术研发基地。

该专业培养具有扎实专业理论和专业技能，具备较强电气工程与信息工程的综合素质和创新能力，能综合应用智能电网相关理论及通信、自动化、传感与检测和计算机应用等相关信息技术，从事智能电网调度与控制、智能化变电站、分布式发电、微网、智能用电等电气系统领域的研究、设计、开发和应用集成，适应新兴国家战略产业发展需要的复合型高级工程技术人才。

授予学位：工学学士学位

control, robot control, and intelligent measurement and control systems.

Degree conferred: Bachelor of Engineering

Career prospects: R&D senior engineer, system integration design engineer, technical director, technical support engineer, etc.



Program of Smart Grid Information Engineering

It is an emerging interdisciplinary program established in close connection with the national smart grid construction. It is designed in response to national development needs in new energy, new materials, information technology and other strategic emerging industries. Combining smart grid, information technology and control technology, the program focuses on the theoretical and practical training in the design of smart grid information system, computer technology, network technology and communication technology in power system. The program has excellent teaching faculty as well as Provincial- and Municipal Research Centers and Key Laboratories for Engineering Technology, Comprehensive Research Laboratories for Smart Grid, Wind-Solar Hybrid Power Generation System, Power System Integrated Automation, etc. Moreover, dozens of internships and training bases have been jointly built under the program with electric power companies and research institutes. Dedicated to students' training and R&D, the program cultivates well-trained personnel in smart grid information engineering, electrical engineering and information engineering. Catering to the needs of emerging strategic industry development, students are trained to be senior engineering and technical personnel with theoretical knowledge and practical skills in communication, automation, sensing, detection and computer science applications. Students are expected to find jobs of research, design, development and integration in fields including smart grid dispatching and control, intelligent substations, distributed power generation, micro-grids, and smart power consumption.

Degree conferred: Bachelor of Engineering

Career prospects: research and development, design, manufacturing, operation, management, etc. in large domestic and foreign enterprises such as State Grid Corporation of China, power generation groups, large power-consuming enterprises, and electric power design institutes.

测控技术与仪器专业



测控技术与仪器专业是针对以先进制造业为主的相关产业对自动化、网络化、信息化的迫切需求，紧密结合产业技术发展开设的新兴交叉学科专业。以自动测控、仪器仪表技术为背景，引入信息技术与人工智能技术，注重智能测控系统、网络测控系统设计，以计算机技术、网络技术和通信技术在测控系统的应用为重点，科学理论与实际应用结合进行人才培养，该专业师资力量雄厚，拥有2个省、市级工程技术研究中心，21个实验室，数十个校外实习基地。

该专业面向与测控技术和仪器相关的先进制造及相关行业，培养具有社会责任感、具备自然科学和工程基础，掌握智能测控技术、精密仪器设计制造技术、过程自动检测技术及智能控制等方面基础知识与应用能力的专业人才，毕业生从事测量测试及控制领域内相关系统软硬件设计、制造、开发、应用、运行维护和管理等工作。

授予学位：工学学士学位

职业前景：在国内外仪器仪表行业、先进装备制造业、过程工业等相关领域的企事业单位，从事测量、测试、检验、计量、研发、设计、管理等工作。

Program of Measurement & Control Technology and Instruments

The program caters to the urgent need of advanced manufacturing industries for automation, networking, and informatization. It represents an emerging interdisciplinary program that meets the interest of the latest development of industrial technology. Closely connected with automatic measurement, control and instrumentation technology, as well as information and AI technology, the program focuses on the design of intelligent measurement and control system, network measurement and control system, as well as the application of computer technology, network technology and communication technology. Combining theoretical and practical training, the program features outstanding teaching staff, 2 Provincial- and Municipal Engineering Technology Research Centers, 21 laboratories, and dozens of off-campus internships and training bases.

This program is oriented to advanced manufacturing and related industries regarding the measurement & control technology and instruments. Students are required to learn the basics of natural science and engineering, intelligent measurement and control, precision instrument design and manufacturing, as well as process automatic detection and intelligent control. Students are expected to find jobs in the design, manufacture, development, operation, maintenance and management of software and hardware in the field of measurement, testing and control.

Degree conferred: Bachelor of Engineering

Career prospects: measurement, testing, inspection, metering, research and development, design, management jobs, etc. in enterprises and institutions such as instrument and meter industry, advanced equipment manufacturing industry, and process industry at home and abroad.

材料科学与工程学院

SCHOOL OF MATERIAL SCIENCE AND ENGINEERING

材料成型及控制工程专业



材料成型及控制工程专业该专业是省级特色建设专业，是机械工程、材料工程等多学科交叉融合的专业。该专业有模具、焊接、铸造三个人才培养方向，拥有省级教学团队、国家级教学名师、省级教学名师、省优秀专家等组成的师资队伍。建有河南省金属材料改性技术工程技术研究中心、新乡市材料成型与加工工程技术研究中心和新乡市材料成型技术与模具重点实验室，是河南省材料成型及相关领域人才培养及技术研发的重要基地。

授予学位：工学学士学位

职业前景：研发工程师、质量工程师、工艺设计师、技术经理、项目经理等。

新能源材料与器件专业



新能源材料与器件专业是教育部新兴特设专业，由材料、物理、化学、电子等多学科交叉形成，毕业生能掌握新能源材料专业基本理论、基本知识和工程技术技能；掌握新能源材料的制备、加工与性能测定实验技能；掌握新型化学电源的设计与制备和产品质量控制的基础理论和基本知识；掌握新能源材料与器件制备、性能测试及设备运行与维护的基础知识。

该专业拥有省级教学团队、国家级教学名师、省级教学名师、省优秀专家和多名优秀博士等，师资力量雄厚，该专业教学科研设施先进完备。

授予学位：工学学士学位

职业前景：研发工程师、工艺设计师、质量工程师、技术总监、项目经理等。

Program of Material Forming and Control Engineering

It is a first-class characteristic program renowned in Henan Province. The program combines mechanical engineering, material engineering and other disciplines. It has three training directions: mould, welding, and casting. Its teaching staff consist of provincially awarded teaching unit, nationally and provincially outstanding teachers and experts. It features Henan Engineering Technology Research Center of Metal Material Modification Techniques, Xinxiang Technology Research Center of Material Forming and Processing Engineering and Xinxiang Key Laboratory of Material Forming and Molding, providing important bases for personnel training and R&D in material forming and related fields in Henan Province.

Degree conferred: Bachelor of Engineering

Career prospects: R&D engineer, quality engineer, process designer, technical manager, project manager, etc.

Program of New Energy Materials and Devices

It is a promising program newly established by the Ministry of Education of China. It is formed by the intersection of materials, physics, chemistry, electronics and other disciplines. Students are required to master the basic knowledge and engineering skills of new energy materials; the experimental skills of preparation, processing and performance measurement of new energy materials; the basic knowledge of design and preparation of new chemical power sources and product quality control; the basic knowledge of preparation, performance testing, equipment operation and maintenance of new energy materials and devices.

The program has a provincially awarded teaching team, nationally and provincially outstanding teachers and experts, doctoral degree holders, as well as advanced teaching and research facilities.

Degree conferred: Bachelor of Engineering

Career prospects: R&D engineer, process designer, quality engineer, technical director, project manager, etc.



材料科学与工程专业



材料科学与工程专业是校级重点建设专业，是涉及物理学、化学、计算科学、工程学和材料科学的综合型交叉学科。培养学生具备金属材料、高分子材料、复合材料、纳米材料等方面基础知识，能够在新材料、电子信息、冶金、航空航天、生物医学、机械、化工、电力等领域从事相关的研发、生产、应用等工作。该专业拥有国家级教学名师、省级教学名师、省级教学团队、省优秀专家和多名优秀博士等，师资力量雄厚，建设有河南省金属材料改性技术工程技术研究中心和新乡市热处理装备生态（绿色）设计创新型科技团队。

授予学位：工学学士学位

职业前景：研发工程师、工艺设计师、质量工程师、售后工程师、技术总监、项目经理等

焊接技术与工程专业



焊接技术与工程专业是从事焊接材料与结构设计、焊接工艺制定、焊接装备与自动化、焊接质量检测与评定等方面的研究的应用，涉及材料、机械、电学、力学、热学等方面的综合性交叉学科，培养学生具备从事焊接制造技术领域在科学研究、技术开发、设计与制造和生产管理方面的能力。该专业拥有省级优秀教学团队，拥有河南省金属材料改性技术工程技术研究中心、轻金属加工研究所等教学科研平台，建有焊接机器人实验室、焊接方法实验室、高效焊接技术实验室、焊接质量检验实验室、焊接材料制备实验室、材料加工及检测实验室、焊接智能制造实验室等，师资力量雄厚，教学科研设施完备。

授予学位：工学学士学位

职业前景：研发工程师、焊接工艺师、焊接结构师、焊接设备师、焊接质量检测师、技术总监、项目经理等。

Program of Materials Science and Engineering

The development of this program is prioritized in Henan Institute of Technology. It is a comprehensive inter-disciplinary program involving physics, chemistry, computing science, engineering and material science. Students are required to master basic knowledge of metal materials, polymer materials, composite materials, nanomaterials, etc., and are expected to find jobs of R&D, production, and applications in new materials, electronic information, metallurgy, aerospace, biomedical, mechanical, chemical, electric power and other fields. The program has nationally and provincially outstanding teachers, experts and doctoral degree holders, and features Henan Engineering Technology Research Center of Metal Material Modification Techniques and a municipally awarded innovative team for ecological (green) design of heat treatment equipment.

Degree conferred: Bachelor of Engineering

Career prospects: R&D engineer, process designer, quality engineer, after-sales engineer, technical director, project manager, etc.

Program of Welding Technology and Engineering

The program focuses on the welding materials and structure design, welding process formulation, welding equipment and automation, as well as welding quality inspection and evaluation. It is an inter-disciplinary program involving materials, machinery, electricity, mechanics, and thermology. Students are trained to engage in scientific research, technology development, design, and production management in welding manufacturing. The program has a provincially recognized teaching team, teaching and scientific research platforms such as Henan Engineering Technology Research Center of Metal Material Modification Techniques, and Light Metal Processing Research Institute. It has a Welding Robot Laboratory, High-Efficiency Welding Technology Laboratory, Welding Quality Inspection Laboratory, Welding Material Preparation Laboratory, Material Processing and Testing Laboratory, Intelligent Welding Manufacturing Laboratory, etc.

Degree conferred: Bachelor of Engineering

Career prospects: R&D engineer, welding technician, welding structure engineer, welding equipment engineer, welding quality inspector, technical director, project manager, etc.



环境工程专业



环境工程专业是校级的特色专业，专业以环境科学与工程学科为基础，培养研究防治环境污染和提高环境质量的专业人才。专业依托新乡市机电装备科技协同创新创业中心，规划建设了“五所两中心”——水污染控制技术研究所、土壤污染修复技术研究所、工业危废处置技术研究所、有机废气处理技术研究所、环保装备研究所、环境监测中心和环境技术咨询服务中心。专业现有专任教师24人，兼职教师3人，其中高级职称以上22人，博士8人，专业教师学科多元、结构合理，60%的专业教师是河南省环保产业学会入库专家、新乡市生态环境局入库专家。专业教师主持国家自然科学基金项目1项，主持参与国家级、省级科研项目130余项，为行业提供清洁生产审核、环境污染治理、环境保护规划编制、应急预案编制等方面的技术服务。

授予学位：工学学士学位

职业前景：环境工程师、清洁生产审核师、环境影响评价师、环境施工与调试工艺师、环境样品分析测试实验师，环境技术及管理咨询师等。

Program of Environmental Engineering

As a characteristic program in Henan Institute of Technology combining environmental science and engineering technology, the program cultivates skilled personnel specialized in prevention and control of environmental pollution and environmental quality improvement. In a joint effort with Xinxiang Collaborative Innovation and Entrepreneurship Center for Mechanical and Electrical Equipment Science and Technology, the program has established five institutes and two centers — Research Institute of Water Pollution Control, Research Institute of Soil Pollution Remediation, Research Institute of Industrial Hazardous Waste Disposal, Research Institute of Organic Waste Gas Treatment, Research Institute of Environmental Protection Equipment, Environmental Monitoring Center and Environmental Technology Consulting Service Center. There are 24 full-time teachers and 3 part-time teachers for the program, including 22 holders of senior professional title, and 8 doctoral degree holder. The teachers have multiple disciplinary backgrounds with reasonable structure of honorary titles. 60% of the teachers are experts recognized by Henan Environmental Protection Industry Association and Xinxiang Ecological Environment Bureau. Faculty members have presided over one project funded by the National Natural Science Foundation of China, presided over and participated in more than 130 nationally and provincially funded scientific research projects, and provided technical services for the industry in clean production audit, environmental pollution control, environmental protection planning, and emergency plan formulation.

Degree conferred: Bachelor of Engineering

Career prospects: environmental engineer, cleaner production auditor, environmental impact assessor, environmental construction and commissioning engineer, environmental sampling and testing technician, environmental technology and management consultant, etc.





车辆与交通工程学院

SCHOOL OF VEHICLE AND TRAFFIC ENGINEERING

车辆工程专业

车辆工程专业是省级特色建设专业，专业秉承“产教融合、校企合作”的优良传统，致力于培养理论功底扎实、技术技能突出、具有创新精神和就业创业能力的汽车设计制造和新能源汽车技术开发专业人才，毕业生在汽车行行业，尤其是汽车零部件和新能源汽车生产企业，从事设计制造、检测调试、功能匹配和生产管理等工作。专业建有：场地电动车工程技术研究中心，汽车检测维修实训中心、汽车性能实验室等十五个实习实训中心，拥有一汽大众、郑州宇通客车等二十二家实训基地。专业拥有省级教学团队，是汽车行业人才培养和科学研究及技术开发基地。

授予学位：工学学士学位

职业前景：汽车设计师、汽车装配工艺师、汽车总布置工程师、生产主管、项目经理等。

Program of Vehicle Engineering

As a first-class characteristic program renowned in Henan Province, it runs under the notion of “integration between industry and education; collaboration between university and industry”. It is committed to cultivating personnel with theoretical knowledge and practical skills, creativity and entrepreneurship in the field of automobile design manufacturing and R&D in new energy vehicle. Students are expected to find jobs of design and manufacturing, testing and debugging, function matching and production management in the automotive industry, especially in auto parts and new energy vehicle manufacturers. The program has 15 internships and training centers including Research Center of Field Electric Vehicle Engineering, Training Center of Vehicle Inspection and Maintenance, Vehicle Performance Laboratory, and 22 training bases with FAW-Volkswagen, Zhengzhou Yutong Bus, etc. With a provincially awarded teaching team, the program dedicates to personnel training and R&D in the automotive industry.

Degree conferred: Bachelor of Engineering

Career prospects: automobile designer, automobile assembly technician, automobile general layout engineer, production supervisor, project manager, etc.

汽车服务工程专业

汽车服务工程专业是省级特色建设专业，是机械工程、交通运输工程等多学科交叉融合的专业，专业致力于培养理论功底扎实、技术技能突出、具有创新精神和就业创业能力的汽车技术服务和汽车金融服务专业人才。该专业拥有一支由河南省学术带头人、河南省骨干教师组成的省级优秀教学团队。现有河南省新能源汽车NVH工程技术中心、新乡市场地电动车工程技术研究中心、汽车检测维修实训中心、新能源汽车动态仿真与数字化设计实验室、汽车性能实验室等十七个校企共建的校内实习实训中心。

授予学位：工学学士学位

职业前景：汽车维修高级工程师、汽车质量检验工程师、汽车评估工程师、汽车营销策划工程师、汽车零部件测试工程师、售后技术服务经理等。

新能源汽车工程专业

新能源汽车工程专业是由车辆、电子、通信、控制等多学科深度交叉融合的专业，符合汽车产业可持续性发展和科技创新的发展方向，该专业拥有一支由河南省学术带头人、河南省骨干教师等组成的省级教学团队。现有十七个校企共建的校内实习实训中心，是新能源汽车行业人才培养和技术开发基地。

授予学位：工学学士学位

职业前景：新能源汽车设计师、新能源汽车零部件研发工程师、质量工程师、技术总监、项目经理等。

Department of Automotive Service Engineering

As a first-class characteristic program renowned in Henan Province, it is an inter-disciplinary one involving mechanical engineering and transportation engineering. It aims to cultivate personnel with theoretical knowledge and practical skills, creativity and entrepreneurship in the field of automotive technical service and financial service. The program has a provincially recognized teaching team composed of academic leaders and backbone teachers from Henan Province. There are 17 on-campus internships and training centers jointly built by the university and enterprises, such as Henan Technology Center of NVH Engineering for New Energy Vehicles, Xinxiang Research Center for On-Site Electric Vehicle Engineering, Training Center of Automobile Inspection and Maintenance, Dynamic Simulation and Digital Design Laboratory for New Energy Vehicles, and Automobile Performance Laboratory.

Degree conferred: Bachelor of Engineering

Career prospects: automobile maintenance senior engineer, automobile quality inspection engineer, automobile evaluation engineer, automobile marketing planning engineer, auto parts testing engineer, after-sales technical service manager, etc.

Program of New Energy Vehicle Engineering

It is an inter-disciplinary program involving vehicles, electronics, communications, and control. It meets the need of sustainable development and technological innovation of the automotive industry. The program has a provincially recognized teaching team composed of academic leaders and backbone teachers from Henan Province. There are 17 on-campus internships and training centers jointly built by the university and enterprises, which serve the purpose for personnel training and R&D in the new energy automobile industry.

Degree conferred: Bachelor of Engineering

Career prospects: new energy vehicle designer, R&D engineer for new energy vehicle parts, quality engineer, technical director, project manager, etc.



智能工程学院

SCHOOL OF INTELLIGENT ENGINEERING

机器人工程专业

机器人工程专业是机械工程、控制科学与工程、计算机科学与技术、感知与认知科学等多学科交叉融合的跨学科专业，是我校重点建设专业。该专业拥有一支以教授和博士为学科专业带头人、中青年骨干教师组成的教学科研团队，师资力量雄厚；建有国家级“机器人技术”实验实训基地、省级机器人技术研究中心、机器视觉研究实验室、智能制造控制系统及集成技术研究所等科研平台。该专业培养能够在机电行业及相关领域从事机器人设计、制造、系统集成应用、技术支持、运行管理等工作的高素质应用型人才，是河南省机器人和智能制造高素质人才培养的摇篮、科学研究与技术开发的基地。

授予学位：工学学士学位

职业前景：机器人开发设计工程师、系统集成工程师

Program of Robotics Engineering

As a prioritized project in Henan Institute of Technology, it is an inter-disciplinary program that combines mechanical engineering, control science and engineering, computer science and technology, as well as perception and cognitive science. The program has a teaching and research team composed of professors and doctors (academic leaders) and young and middle-aged backbone teachers. It features scientific research platforms including a National Experimental Training Base for Robot Technology, Provincial-level Robot Technology Research Center, Machine Vision Research Laboratory, as well as Research Institute of Intelligent Manufacturing Control System and Integrated Technology. This program cultivates skilled personnel who can engage in robot design, smart manufacturing, system integration application, technical support, operation management, R&D in the electromechanical industry and related fields.

Degree conferred: Bachelor of Engineering

Career prospects: robot development and design engineer, system integration engineer

人工智能专业



人工智能专业涵盖计算机视觉、自然语言理解与交流、机器人等多个应用领域，服务于农业、工业、医药行业、银行业等所有行业应用。人工智能专业师资力量雄厚，建有：机器视觉技术实验室、华为ICT云计算实验室-数据中心、智能技术创新实验室、物联网工程实验室等实践教学平台，拥有人工智能与深度学习研究中心、物联网移动应用开发创新研究中心等科研平台，拥有自动化、机器人等国家级实训基地。该专业培养掌握人工智能学科基础知识和工程应用技能，具备创新创业能力，能够从事人工智能集成应用，从事算法分析与设计、人工智能核心技术研发等工作的高素质应用型人才。

授予学位：工学学士学位

职业前景：人工智能硬件/算法研发工程师、人工智能系统集成应用工程师、技术支持工程师、系统调试及维护工程师、技术主管、技术总监等。

Program of Artificial Intelligence

The program covers computer vision, natural language understanding and communication, robotics and other application fields, serving agriculture, industry, pharmaceutical, and banking industry. The program has excellent teaching staff, and has established Machine Vision Technology Laboratory, Huawei ICT Cloud Computing Laboratory-Data Center, Intelligent Technology Innovation Laboratory, Internet of Things Engineering Laboratory and other practical teaching platforms. It also has an AI & Deep Learning Research Center, Development and Innovation Research Center for Internet of Things Mobile Applications and other scientific research platforms, as well as a National Training Base for Automation and Robotics. This program cultivates high-quality personnel with basic knowledge of artificial intelligence, engineering application skills, creativity and entrepreneurship. Students are expected to find jobs in integrated applications, algorithm analysis and design, and R&D of core technology of artificial intelligence.

Degree conferred: Bachelor of Engineering

Career prospects: artificial intelligence hardware/algorithm R&D engineer, AI system integration engineer, technical support engineer, system debugging and maintenance engineer, technical supervisor, technical director, etc.

电子信息工程学院

SCHOOL OF ELECTRONIC INFORMATION ENGINEERING

光电信息科学与工程专业



光电信息科学与工程专业是一门集电子科学与技术、计算机科学与技术、信息与通信工程等多学科交叉专业，培养具有光电信息科学与工程的基本理论、基本知识、基本技能，能在激光技术、光电检测、光电子学、光信息处理以及相关的电子信息科学、计算机科学等领域，从事科学研究、教学、产品设计、生产技术或管理工作的高素质应用型人才。本专业拥有以博士后和博士为专业带头人，中青年骨干教师和“双师型”教师为主的教科研团队。拥有电子技术、光基础、光传输、光电产品检测等实验实训室。是河南省光电信息产业高科技人才培养的摇篮以及科学研究和技术开发的基地。

培养目标：本专业授予学位：工学学士学位

职业前景：光学工程师，光传输工程师，光源/照明工程师，激光/光电子技术工程师，产品工程师，项目管理工程师，光电产品经理等。

Program of Optoelectronic Information Science and Engineering

As an inter-disciplinary program involving electronic science and technology, computer science and technology, information and communication engineering, the program requires students to master the basic theory, knowledge and skills in optoelectronic information science and engineering. Students are expected to find jobs in scientific research, teaching, product design, production technology or management in the fields of laser technology, photoelectric detection, optoelectronics, optical information processing, as well as electronic information and computer science. This program has a teaching and research team led by postdoctoral and doctoral academic leaders, young and middle-aged backbone teachers and “double-qualified” teachers. It has Experimental Training Labs for Electronic Technology, Optical Foundation, Optical Transmission, and Photoelectric Product Testing. Dedicated to students’ training and R&D, the program cultivates well trained personnel for optoelectronic information industry of Henan Province.

Degree conferred: Bachelor of Engineering

Career prospects: optical engineer, optical transmission engineer, light source/illumination engineer, laser/optoelectronic technology engineer, product engineer, project management engineer, optoelectronic product manager, etc.



电子信息工程专业

电子信息工程专业是省级特色建设专业，主要为信息通信、电子技术、计算机应用等领域培养从事电子设备和信息系统的产品设计、工艺制造、应用开发的高素质应用型人才。本专业拥有以河南省教学名师及博士后出站人员领衔的师资团队，具有较为完备的教学科研设施、实验设备及工程训练中心。专业主动对接郑州航空港经济综合实验区建设，成为河南省电子信息产业高科技人才培养的摇篮以及科学研究和技术开发的基地。

授予学位：工学学士学位

职业前景：研发高级工程师、设计总监、产品分析师、工艺设计师等。

通信工程专业

通信工程专业主要研究信息与通信系统的信息采集、处理、传输和控制、以及信息系统的研究、设计、制造、维护及管理，面向信息与通信行业培养具有良好职业道德、专业及相关学科理论功底扎实、技术技能突出、继续学习能力较强、能够从事信息与通信系统的信息采集、处理、传输和控制、以及信息系统的研究、设计、制造、维护及管理等方面的高素质应用型人才。本专业有一支结构合理、治学严谨、业务过硬的教师队伍，拥有电子技术、通信技术、信号与系统、虚拟仪器、传感器、微波与天线、手机检测与维修、光传输、电信工程施工、高频电子线路等实验实训室。是信息与通信产业高科技人才培养的摇篮以及科学研究和技术开发的基地。

授予学位：工学学士学位

职业前景：核心网工程师、接入网工程师、微波工程师、光传输工程师、终端工程师、网络工程师、软件工程师、技术经理、项目经理等。

Program of Electronic Information Engineering

As a first-class characteristic program renowned in Henan Province, it cultivates skilled personnel in product design, process manufacturing, and application development of electronic equipment and information systems regarding information communication, electronic technology, and computer applications. This program has a teaching team led by provincially awarded teachers and post-doctoral graduates, and has enabling teaching and research facilities, experimental equipment and engineering training centers. The program is dovetailed with Zhengzhou Airport Economic Comprehensive Experimental Zone, serving as a training and R&D base for skilled personnel in electronic information industry in Henan Province.

Degree conferred: Bachelor of Engineering

Career prospects: R&D senior engineer, design director, product analyst, process designer, etc.

Program of Communication Engineering

The program focuses on the information collection, processing, transmission and control of information and communication systems, as well as the research, design, manufacture, maintenance and management of information systems. Students are required to have good professional ethics, theoretical knowledge and practical skills in related disciplines for the information and communication industry. Students are expected to find jobs in information collection, processing, transmission and control, design, manufacture, maintenance and management for information and communication systems. This program has a research and teaching team of excellent teachers, and has also established Experimental Labs for Electronic Technology, Communication Technology, Signal and System, Virtual Instrument, Sensor, Microwave and Antenna, Mobile Phone Detection and Maintenance, Optical Transmission, Telecommunication Engineering Construction, High-Frequency Electronic Circuit. Serving students’ training and R&D, the program cultivates competent personnel in the information and communication industry.



医学信息工程专业



医学信息工程专业是以信息科学和生命科学为主的多学科融合与交叉的跨学科专业，以电子信息技术在医学中的应用为主要研究内容，培养具有现代生物医学、电子信息、计算机网络和信息管理等多个相关领域的基础知识和理论，具备良好的职业道德修养、学习能力、实践能力和沟通能力，能够在信息化医学电子仪器研发及医学信息系统集成、物联网医疗等相关领域，从事研究、设计、应用、管理和运营维护的医工结合的高素质应用型人才。本专业拥有一支以河南省学科带头人和行业专家为带头人，“双师型”教师为主干力量的教科研团队，拥有电子技术、传感器技术、信号处理技术、医学电子仪器设计等实验实训场所，是河南省医学信息行业人才培养的摇篮和相关技术开发的基地。

授予学位：工学学士学位

职业前景：在医疗器械设计与生产企业、医疗卫生机构或其他相关企、事业单位从事医学电子仪器与设备或医学信息系统的设计、开发、应用、维护和评测等工作；也可在相关研究机构或高等院校从事科学研究和教学工作。

Program of Medical Information Engineering

It is an interdisciplinary program that combines information science and life science. Focusing on the application of electronic information technology in medicine, the program requires the students to have good professional ethics, theoretical knowledge and practical skills in modern biomedicine, electronic information, computer network, information management and other related fields. Students are expected to find jobs in research, design, application, management, operation and maintenance in fields including information-based medical electronic instrument, medical information system integration, and Internet of Things medical treatment. The program has a teaching and research team led by academic leaders, industry experts and “double-qualified” teachers in Henan Province. It has established experimental labs in electronic technology, sensor technology, signal processing technology, and medical electronic instrument design. Devoted to students’ training and R&D, the program cultivates capable personnel in medical information industry in Henan Province.

Degree conferred: Bachelor of Engineering

Career prospects: design, development, application, maintenance and evaluation of medical electronic instruments, equipment or medical information systems in medical device enterprises, health institutions, or other related enterprises and institutions; academic study and teaching in research institutes or institutions of higher learning.

电缆工程学院

SCHOOL OF CABLE ENGINEERING

电缆工程专业



电缆工程专业全国首创特设专业，致力于光纤光缆和电线电缆材料研究、产品设计、生产制造、质量控制、企业管理等方面的高素质应用型人才培养，已为电缆行业培养了近三千名毕业生，他们成为中国电线电缆行业的技术、质检、生产、管理的骨干力量。专业师资力量雄厚，具备完善的教学科研实验条件，拥有河南省特种电缆绝缘工程技术研究中心、新乡市电线电缆制造技术工程技术研究中心，并与远东控股集团、亨通集团、浙江万马股份有限公司等上市公司共建了50多个校外实习基地，是我国光纤光缆、电线电缆人才培养和科学研究及技术开发的重要基地。

授予学位：工学学士学位

职业前景：研发工程师、工艺工程师、技术总监、生产部经理、质检部经理、总工程师、经理等。

Program of Cable Engineering

Initiated in Henan Institute of Technology, the program is the first one of its kind in China. It cultivates skilled personnel in fields including optical fiber and cable, wire and cable material research, product design, manufacturing, quality control, and enterprise management. It has trained for the cable industry nearly 3,000 graduates who current work on the key posts of technology, quality inspection, production and management in China's wire and cable industry. It has outstanding faculty members and desirable conditions for teaching, research and experimentation. It has established Henan Research Center of Special Cable Insulation Engineering, Xinxiang Research Center of Wire and Cable Manufacturing Engineering, and has built over 50 off-campus internships and training bases together with Far East Holding Group, Hengtong Group and Zhejiang Wanma Co., Ltd. and other listed companies. Dedicated to students’ training and R&D, the program cultivates well trained personnel for the optical fiber and cable, wire and cable industry in China.

Degree conferred: Bachelor of Engineering

Career prospects: R&D engineer, process engineer, technical director, production manager, quality inspection manager, chief engineer, manager, etc.



计算机科学与技术学院

SCHOOL OF COMPUTER SCIENCE AND TECHNOLOGY

物联网工程专业

物联网工程专业是河南省特色建设专业。是计算机科学与技术、电子科学与技术、通信工程等学科交叉渗透、相互融合的新型应用型专业。本专业拥有全国优秀教师、河南省学术技术带头人及青年博士组成的优秀教学团队，为物联网平台维护、软件开发和物联网系统集成领域培养高素质的物联网工程应用型高级人才。

该专业拥有：新乡市制造业物联网应用和新乡市智能制造与大数据应用两个市级工程技术研究中心，建设了云计算与存储、软件技术与工程、数据库应用技术、嵌入式系统应用与开发、通信技术、电子技术、4G-LTE仿真、光传输技术等八大技术平台。

授予学位：工学学士学位

职业前景：物联网系统设计架构师、物联网应用系统开发工程师、云计算工程师、网络工程师、存储工程师、嵌入式软件工程师、JAVA大数据开发工程师等。

Program of IoT Engineering

As a first-class characteristic program renowned in Henan Province, it represents a new type of application-oriented program that integrates computer science and technology, electronic science and technology, communication engineering and other disciplines. This program has an excellent teaching team composed of nationally awarded teachers, provincially recognized academic and technical leaders as well as young holders of doctoral degrees. It cultivates skilled personnel of IoT engineering regarding IoT platform maintenance, software development, and IoT system integration.

The major has two Municipal Engineering Technology Research Centers: Xinxiang Research Center for Internet of Things Application in Manufacturing and Xinxiang Research Center for Intelligent Manufacturing and Big Data Application. It has built eight technology platforms including cloud computing and storage, software technology and engineering, database application technology, embedded system application and development, communication technology, electronic technology, 4G-LTE simulation, and optical transmission technology.

Degree conferred: Bachelor of Engineering

Career prospects: IoT system design architect, engineer for IoT application system development, cloud computing engineer, network engineer, storage engineer, embedded software engineer, JAVA big data development engineer, etc.

数据科学与大数据技术专业

数据科学与大数据技术专业旨在培养掌握计算机科学基础理论、数据科学与大数据技术专业的基础知识及应用知识，具有大数据采集、处理、分析和应用开发的基本能力，能从事数据科学与大数据技术研究、设计、开发、管理、服务等工作的高素质应用型人才。本专业拥有河南省学术技术带头人、河南省高等学校青年骨干教师以及中科院软件所、东北大学等院校的青年博士组成的优秀教学团队。建设有国家级职业教育实训基地、大数据基础实验室以及云计算中心，是河南省数据科学与大数据技术人才培养的摇篮。

授予学位：工学学士学位

职业前景：大数据开发工程师、大数据分析师、数据挖掘工程师、大数据采集工程师、大数据实施工程师、大数据运维工程师

材料科学与工程是校级重点建设专业，是涉及经理等

软件工程专业

软件工程专业是河南省高校特色专业，专门培养具有软件需求分析、软件设计、软件开发、软件测试、软件维护和软件项目管理等高素质应用型人才。该专业自1985年开始招生，目前已培养了三十二届毕业生，专业建设成效显著、教学成果突出。该专业师资力量雄厚，是“河南省高等学校教学工程项目省级教学团队”。

授予学位：工学学士学位

职业前景：软件开发工程师、移动应用开发工程师、大数据工程师、软件产品经理

Program of Data Science and Big Data Technology

The program cultivates capable personnel with theoretical knowledge and practical skills of computer science, data science and big data technology. Students are required to master the skills for big data collection, processing, analysis and application development, and are expected to find jobs including research, design, development, management, and service in the fields of data science and big data technology. This program has an excellent teaching team composed of academic and technical leaders, young backbone teachers in colleges and universities in Henan Province, and young doctoral degree holders honored by the Software Institute of the Chinese Academy of Sciences and Northeastern University. With a National Vocational Education Training Base, a Big Data Basic Laboratory and a Cloud Computing Center, the program is dedicated to cultivating skilled personnel in data science and big data technology in Henan Province.

Degree conferred: Bachelor of Engineering

Career prospects: big data development engineer, big data analyst, data mining engineer, big data acquisition engineer, big data implementation engineer, big data operation and maintenance engineer



Program of Software Engineering

As a first-class characteristic program renowned in Henan Province, it cultivates skilled personnel specialized in software requirements analysis, software design, development, testing, maintenance and project management. With a provincially awarded teaching team, the program has been enrolling students since 1985, and has trained thirty-two sessions of graduates, registering outstanding academic and teaching achievements.

Degree conferred: Bachelor of Engineering

Career prospects: software development engineer, mobile application development engineer, big data engineer, software product manager



数字媒体技术专业



数字媒体技术专业是河南省省级综合改革试点专业。培养具有良好人文素质、艺术修养和审美能力，适应数字时代与信息社会发展，具有较开阔的视野和良好的沟通能力，掌握数字内容创作、制作及相关软硬件工具研发、应用的基础知识、基本理论和方法，能从事动漫制作、游戏编程、影视广告设计、虚拟现实技术开发等领域的数字媒体产品研究、设计、开发、管理、服务的高素质应用型人才。该专业师资力量雄厚，拥有省、市级工程技术研究中心与重点实验室15个，与省内外相关企业共建10多个校外实习基地。

授予学位：工学学士学位

职业前景：在电子信息、文化教育、艺术设计、广播影视、广告设计、影视特技、数字动画、娱乐游戏、网络应用、出版、图书、新闻等产业领域，从事数字图形图像制作、数字影视制作、数字动画制作、多媒体交互软件开发以及数字媒体系统的运行、管理与维护工作。

Program of Digital Media Technology

It is a program under a pilot provincial project for comprehensive reform in institutions of higher learning. The students are trained to have all-round development humanistically, artistically and aesthetically. Students are required to adapt to the development of the digital age and information society, have a broad vision and good communication skills, and master the basic knowledge and skills in digital content creation, production, development and application of software and hardware tools. Students are expected to find jobs of design, R&D, management, and service in the fields of digital media production, animation production, game programming, film and television advertising design, as well as virtual reality technology. The program has excellent teaching staff, and has established 15 provincial and municipal engineering technology research centers and key laboratories, and more than 10 off-campus internships bases jointly with enterprises inside and outside Henan Province.

Degree conferred: Bachelor of Engineering

Career prospects: production of digital graphics and images, production of digital film and television programs, digital animation production, multimedia interactive software development, operation, management and maintenance of digital media systems in industries such as electronic information, cultural education, art design, radio, film and television programs, advertising design, film and television special effects, digital animation, entertainment games, network applications, publishing, books, and news.

管理学院

SCHOOL OF MANAGEMENT

物流管理专业



物流管理专业是河南省重点支持专业、校级重点建设专业。该专业培养具有经济学、管理学基础理论，掌握现代物流管理理论、方法与技术，熟悉企业生产经营活动中的物流运作，能在企业、科研院所及政府部门从事供应链设计与管理、物流系统优化及运营管理等各方面工作的高素质应用型人才。该专业拥有河南省高等教育示范性实训中心，拥有由知名教授和优秀博士组成的优秀师资队伍。

授予学位：管理学学士学位

职业前景：企业的物流部门经理、采购经理、物流企业的区域经理；国际物流师、物流咨询师、物流工程师、物流系统分析规划师等。

Program of Logistics Management

The program is under key projects in Henan Institute of Technology and Henan Province. This program cultivates capable personnel with knowledge and skills in economics and modern logistics management as well as the fundamentals of logistics in corporate production and operation. Students are expected to find jobs of design and management in supply chain, logistics system optimization and operation management in enterprises, research institutes and government departments. This major has a Demonstration Training Center for Higher Education in Henan Province, and has an excellent teaching team composed of well-known professors and outstanding holders of doctoral degrees.

Degree conferred: Bachelor of Management

Career prospects: logistics department manager, purchasing manager, regional manager of logistics companies, international logistics engineer, logistics consultant, logistics engineer, logistics system analytical planner, etc.

Program of Financial Management

财务管理专业



财务管理专业是河南省省级特色建设专业，主要培养在企业、行政事业等单位从事投融资管理、数据分析与决策支持、成本管理、会计核算等相关工作的高素质应用型人才。该专业利用学校工科师资优势，突出基于“管工结合”的“懂业务、善分析、精财务”的专业特色。该专业师资力量雄厚，具有先进完备的教学科研设施。

授予学位：管理学学士学位

职业前景：在企事业单位、行政部门，从事投融资管理、财务相关数据获取、分析与决策支持、成本管理、会计核算等相关工作。

As a first-class characteristic program renowned in Henan Province, it mainly cultivates skilled personnel specialized in the investment and financing management, data analysis, decision support, cost management, accounting and other related work in enterprises and administrative institutions. Taking advantage of the excellent teachers with engineering education backgrounds, as well as advanced teaching and research facilities, the program features a training mode that combines management and engineering as well as analytical and accounting capabilities.

Degree conferred: Bachelor of Management

Career prospects: investment and financing management, financial-related data acquisition, analysis and decision support, cost management, accounting and other related work in enterprises, institutions, and administrative departments.





工业工程专业



工业工程专业是校级重点建设专业，是基于工程技术和科学管理相结合，对制造业、服务业等企业或组织中的实际工程与管理问题进行定量分析与优化的学科交叉融合专业。主要培养面向机电装备行业企业，具有良好的机电工程技术基础、精通现代工业工程和系统管理等方面知识与技能，分析和解决生产与服务系统等管理与工程综合性问题的高素质应用型人才。该专业师资力量强，与国内多家著名企业合作办学，教学条件优越。是河南省工程技术领域高科技人才培养的摇篮以及科学研究和技术开发的基地。

授予学位：管理学学士学位

职业前景：工业工程师、技术支持工程师、新产品开发工程师、系统优化工程师等。

Program of Industrial Engineering

The development of this program is prioritized in Henan Institute of Technology. Combining engineering technology and management science, it is an inter-disciplinary program that focuses on the quantitative analysis and optimization of engineering and management in manufacturing, and service industries. Oriented to the enterprises in the electromechanical equipment industry, the program cultivates competent personnel with knowledge and skills in electromechanical engineering technology, modern industrial engineering and system management, as well as the abilities to analyze and solve complex management and engineering problems in production and service systems. The program has excellent teaching staff and advanced teaching facilities, and has cooperated with many famous domestic enterprises in joint educational programs. Dedicated to scientific research and technology development, the program contributes to personnel training in engineering technology in Henan Province.

Degree conferred: Bachelor of Management

Career prospects: industrial engineer, technical support engineer, new product development engineer, system optimization engineer, etc.

酒店管理专业



酒店管理专业培养具备扎实的管理学和经济学基础，系统掌握现代酒店管理的基础理论、专门知识和专门技能，能够在高星级酒店(集团)、高端餐饮连锁企业、大型文旅项目、旅游网络平台(OTA企业)、管理咨询公司等从事经营、管理、策划、咨询、培训工作的高素质应用型专业人才。专业围绕“校企合作、突出实践”的专业建设特色，为众多高星级酒店培养了大批高素质管理人才。与开元酒店管理集团开展的“现代学徒制”人才培养模式，被评为河南省实践教学优秀案例。本专业师资力量雄厚，实践教学设备完善，拥有3D酒店虚拟仿真软件、InforHMS软件、Infor收益管理软件等多项先进的教学科研设施。

授予学位：管理学学士学位

职业前景：高星级酒店部门经理、经济型连锁酒店店长、高端餐饮企业店长、文旅项目产品设计经理、酒店产品策划师等。

Program of Hotel Management

The program cultivates capable personnel with knowledge and skills in economics and modern hotel management. Students are expected to find jobs of operation, management, planning, consulting, and training in starred hotels (groups), high-end chain enterprises in the catering industry, large-scale cultural tourism agencies, tourism network platforms (OTA enterprises), as well as management consulting companies. Featuring a practical training mode under the collaboration between university and enterprises, the major has trained a large number of skilled personnel for many starred hotels. The Modern Apprenticeship Training Mode under cooperation with New Century Tourism Group was rated as an excellent case of practical teaching in Henan Province. The program also features an excellent teaching team and advanced teaching and research facilities including 3D hotel virtual simulation software, InforHMS software, and Infor revenue management software.

Degree conferred: Bachelor of Management

Career prospects: branch manager of starred hotels, store manager of budget hotel, store manager of high-end catering enterprise, product design manager of cultural tourism projects, hotel product planner, etc.



经济学院

SCHOOL OF ECONOMICS

金融数学专业



金融数学专业主要培养具有系统的数学、金融学理论知识，掌握金融数学的基本原理和方法，具有金融数量分析和解决金融实务的能力，能在金融机构、政府部门和企事业单位从事金融业务操作、投资理财、风险管理、金融数据分析等工作的高素质应用型人才。是现代数学、计算机技术、金融学的交叉融合，该专业师资力量雄厚，拥有享受国务院政府特殊津贴的专家、省优秀教师和多名优秀博士等，具有先进完备的教学科研设施，是河南省金融数学及相关领域人才培养和金融产品研发的重要基地。

授予学位：经济学学士学位

职业前景：理财规划师、数据分析师、金融工程师、基金经理、保险精算师等。

商务经济学专业



商务经济学专业培养适应区域社会经济发展需要，具有经济学及管理学理论基础，熟悉商务经济与商务机构运作，系统掌握商务经济数据分析方法，能在工商企业、金融机构、政府等部门从事商务分析、管理、决策等工作的高素质应用型人才。该专业师资力量雄厚，教学科研设施先进完备。

授予学位：经济学学士学位

职业前景：在企事业单位、行政部门从事商务调查与研究、商务数据分析、商务谈判、商务策划、商务代表等商务经济相关工作。

Program of Financial Mathematics

The program cultivates capable personnel with mathematical and financial knowledge, the fundamentals in financial mathematics, as well as the ability to perform financial quantitative analysis and solve financial issues. Students are expected to find jobs of financial business operations, investment and financial management, risk management, financial data analysis in financial institutions, government departments, enterprises and institution. It is an interdisciplinary program involving modern mathematics, computer technology, and finance. The program has an excellent teaching team composed of experts who enjoy special government allowances from the State Council, provincial outstanding teachers, and many prominent holders of doctoral degrees. With advanced teaching and research facilities, it contributes to personnel training and R&D in financial mathematics, financial products and related fields.

Degree conferred: Bachelor of Economics

Career prospects: financial planner, data analyst, financial engineer, fund manager, insurance actuary, etc.

Program of Business Economics

Catering to the needs of regional social and economic development, the program cultivates students with knowledge of economics and management, operation of business economics and commercial organizations. Supported by excellent teaching staff and advanced teaching and research facilities, the students are required to master skills in business economic data analysis, and are expected to find jobs including analysis, management, and decision-making in enterprises, financial institutions, government departments, etc.

Degree conferred: Bachelor of Economics

Career prospects: business investigation and research, business data analysis, business negotiation, business planning, business representatives and other related work in enterprises, institutions and administrative departments.

跨境电子商务专业



跨境电子商务专业是河南省第一家开设此专业的公办本科院校，旨在培养掌握现代信息技术，跨境电子商务专业基础知识和操作技能，从事跨境电商平台运营及数据分析、视觉营销、跨境电商客服、跨境供应链管理等工作的高素质应用型人才。该专业拥有河南省省级电子商务职业教育实训基地，拥有以中青年骨干教师为中坚力量的教学科研团队，教学条件优越，有京东、饿了么、栢客电商等多家实习基地。

授予学位：管理学学士。

职业前景：在各类涉外企业、互联网企业、跨境电子商务企业、政府管理部门、相关事业单位、行业协会及培训机构从事跨境电子商务策划、运营、研发、设计、管理及教育等工作。

Program of Cross-border E-commerce

It is the first of its kind among public undergraduate programs in Henan Province. It cultivates capable personnel with knowledge and skills in modern information technology and cross-border e-commerce. Students are expected to find jobs of maintenance and data analysis, visual marketing, cross-border e-commerce customer service, and cross-border supply chain management for cross-border e-commerce platforms. The program has a teaching and research team composed of young and middle-aged backbone teachers, a Provincial E-commerce Vocational Education Training Base, and several internships bases jointly built with enterprises such as JD.com, Ele.me, and Baike E-commerce Co., Ltd.

Degree conferred: Bachelor of Management.

Career prospects: cross-border e-commerce planning, operation, R&D, design, management and education in various foreign-related companies, Internet companies, cross-border e-commerce companies, government departments, institutions, industry associations and training organizations.



外国语学院

SCHOOL OF FOREIGN LANGUAGES

商务英语专业

商务英语专业是以英语语言文学、应用经济学、工商管理、法学（国际商法）为依托，培养具有国际视野和人文素养，掌握语言学、经济学、管理学、法学（国际商法）等相关基础理论与知识，熟悉国际商务的通行规则和惯例，具备英语应用能力、商务实践能力、跨文化交流能力、思辨与创新能力、自主学习能力，能从事国际商务工作的复合型应用型人才。拥有一支由河南省骨干教师、行业专家等组成的师资队伍；建有英语语言实验中心、外贸业务模拟实验室、跨境电商实训室、国际商务场景模拟实训室、装备制造语言服务平台、语言文化传播服务平台等系列实训基地与科研平台。

授予学位：文学学士学位

职业前景：国际商务主管、国际贸易主管、国际投融资顾问、文化贸易顾问等

Program of Business English

Based on English language and literature, applied economics, business administration, and law (international business law), the program trains personnel with knowledge and skills in linguistics, economics, management, and law (international business law). Students are required to master the rules and common practices in international business, and have English proficiency in cross-cultural business communication. Students are also trained on international perspective, humanistic quality, critic thinking, creativity, and independent learning. The program has an excellent teaching team composed of backbone teachers and industry experts from Henan Province, and has established a number of training bases and research platforms including an English Language Experiment Center, a Foreign Trade Business Simulation Laboratory, a Cross-Border E-Commerce Training Lab, a Training Lab for International Business Scenario Simulation, a Language Service Platform for Equipment Manufacturing, as well as a Service Platform for Language and Culture Communication.

Degree conferred: Bachelor of Arts

Career prospects: international business supervisor, international trade supervisor, international investment and financing consultant, cultural trade consultant, etc.



艺术设计学院

SCHOOL OF ART DESIGN

环境设计专业

环境设计专业培养具有环境设计基础理论与专业技能，能够在设计或工程机构从事公共空间设计、居住空间设计、景观设计、工程预算等设计实践工作，具备项目管理以及艺术设计研究能力的具有创新精神的高素质应用型人才。本专业与相关行业部门、企事业单位、设计师协会、设计学会构建了协同创新创业平台，开展大量学术交流活动和文化传播活动。本专业师资力量雄厚、办学设施齐全、教学环境优美、学习氛围浓厚，拥有艺术设计中心，是河南省环境设计领域人才培养、学术交流和技术研发的重要基地。

授予学位：艺术学学士学位。

职业前景：室内设计师、软装设计师、景观设计师、预算师、工程监理、品牌驻店设计师等。

Program of Environmental Design

The program cultivates personnel with knowledge and skills in environmental design, project management and creative art design and research. Students are expected to find job of public space design, residential space design, landscape design, and project budget in design institutions or engineering organization. A Collaborative Innovation and Entrepreneurship Platform has been established with government departments, enterprises, institutions, designer associations, and design societies. Diverse academic exchange and cultural communication activities have also been carried out under the program. The program has excellent teaching staff, advanced facilities, beautiful teaching environment, and strong academic atmosphere. With an Art Design Center, the program contributes to personnel training, academic exchanges and R&D in environmental design in Henan Province.

Degree conferred: Bachelor of Arts.

Career prospects: interior designer, soft decoration designer, landscape designer, cost estimator, project supervisor, brand in-store designer, etc.

产品设计专业

产品设计专业培养具有扎实学科理论知识、拥有较强的实践能力，能够在产品设计机构从事产品设计、家具设计、交通工具设计，具备项目管理能力、创业能力以及专业理论研究能力的高素质应用型人才。该专业师资力量雄厚，建有26个多媒体教室，4个专业机房，7个校外实训基地，是河南省产品设计及相关领域人才培养和产品研发的重要基地。

授予学位：艺术学学士

职业前景：小家电产品设计师、交通工具产品设计师、驻厂产品设计师、家具设计师、工业产品制造人员等。

数字媒体艺术

数字媒体艺术专业培养掌握数字媒体艺术专业相关理论知识，具备综合运用专业知识进行数字媒体设计、交互设计、影视设计与表现的能力，具有较强实践能力、创新创业能力和持续学习能力，能够在文化传媒相关领域从事数字媒体艺术设计、项目策划、创意应用等相关工作的高素质应用型人才。本专业是河南省数字媒体设计领域人才培养、学术交流和技术研发的重要基地。。

授予学位：艺术学士学位

职业前景：能够在网络交互设计、影视后期特效、视觉艺术设计、广告设计、等相关领域展开创作、设计及艺术创意应用工作。

Program of Product Design

The program cultivates capable personnel with knowledge and skills in research, product design, furniture design, transportation tools design, and project management. With excellent teaching staff, 26 multimedia classrooms, 4 professional computer rooms, and 7 off-campus training bases, the program contributes to personnel training and R&D in product design and related fields in Henan Province.

Degree conferred: Bachelor of Arts

Career prospects: small home appliance product designer, transportation product designer, factory product designer, furniture designer, industrial product manufacturing technician, etc.

Program of Digital Media Arts

The program trains capable personnel with knowledge and skills in digital media art, digital media design, interaction design, film and television programs design. Students are expected to find jobs including digital media art design, project planning, and creative application in fields related to cultural media. The program contributes to personnel training, academic exchanges and R&D in digital media design in Henan Province.

Degree conferred: Bachelor of Arts

Career prospects: creative design and production regarding network interaction, film and television programs special effects, visual art and advertising.