

● 目标 OBJECTIVE OF THIS TRAINING

举办“发展中国家数控技术培训班”，旨在为发展中国家培养数控领域专业人才，帮助学员了解和学习先进数控技术，促进我国高校、企业与发展中国家在数控技术和机器人方面的高等教育、人才培养、技术开发及应用领域的交流与合作，达到互惠双赢的目的。

The "International Training Workshop on CNC Technologies" is aimed at training professional and technical personnel in the CNC industries from developing countries. The trainees will learn the advanced technologies and frontiers in the field of CNC. This workshop will help the developing countries to facilitate the industrialization of CNC and robotics, promote the international exchange, cooperation and talent training between China and other developing countries, and achieve the goal of mutual benefit and win-win situation.

● 培训方式和内容 TRAINING METHODS AND CONTENTS

培训包括专题讲座、云参观考察、远程实操训练、分组研讨四个部分，采取纯线上授课方式讲解数控技术原理和发展动态，学习数控系统操作、编程、加工，熟悉中国数控产品的特点和优势，掌握数控系统应用的相关技术，学习智能制造和工业机器人的基本知识并动手操作简单机器人，参加武汉华中数控有限公司、国家数字化设计与制造创新中心等机构的工业考察，了解中国书法、武术、汉语、剪纸等传统文化。

The workshop is consisted of four parts: lectures, cloud visits, remote practical training and group discussion, which pure online elaborates the principles and development trends of CNC technology, practises the operation, programming, and processing of CNC systems, acquaints trainees with the characteristics and advantages of Chinese CNC products, explains the related technologies of CNC systems, and the basic knowledge of intelligent manufacturing and industrial robots, and provides opportunities to operate simple robots. In addition, trainees will cloud visit Wuhan Huazhong Numerical Control Co., Ltd., National Innovation Institute of Digital Design and Manufacturing and other institutions, and learn traditional cultures such as Chinese calligraphy, martial arts, Chinese and paper cutting.

● 培训时间、地点、语言及招收信息 DATE, VENUE AND ENROLLMENT

时 间	2021年11月1日-11月26日 (20个工作日)
地 点	纯线上 (采用ZOOM云视频会议)+国教院云学习平台
招生规模	20-40人
招收对象	发展中国家数控技术领域相关生产企业、科研单位、政府机构及高校的相关人员
培训语言	英语
Time	1 st - 26th Nov. 2021 (20 workdays)
Venue	Pure online (ZOOM Cloud Meetings App and International Cloud Learning Platform of HUST will be adopted)
Enrollment	20-40 trainees
Candidates	Personnel from industries, institutes, government sectors, and universities in the field of CNC technology from developing countries.
Language	English

● 学员条件和要求 REQUIREMENTS FOR TRAINEES

- 1.来自发展中国家的工程技术人员、科研人员、企业管理人员和政府官员；
- 2.学员具备机械、电子、自动化等行业相关工作经验；
- 3.具备英语听、说、读、写能力；
- 4.熟悉本国数控技术发展现状并提供一份技术情况的报告；
- 5.在华培训阶段，遵守中华人民共和国的有关法律、法规、尊重中国的风俗习惯，遵守网络学习的行为规则。
- 6.完成学习要求的学员，如申请攻读华中科技大学硕士课程，学校将给予推荐。

1. Engineers, technicians, researchers, enterprise administrators, and government officials from developing countries.
2. Working experience in mechanical, electrical or automation related industries.
3. Have a good command of English listening, speaking, reading and writing skills.
4. Familiar with CNC technology development situation of trainee's country and provide a report on this issue.
5. Comply with laws and regulations of P. R. China and respect Chinese traditional customs during the stay in China, and abide by the behaving rules of network learning.
6. Trainees that complete all the study requirements of the training program, will be recommended by HUST if apply for further Master degree programs of HUST.

● 费用安排 EXPENSES

培训费由组织单位承担,毛笔等学习工具及纪念品将由组织者发快递给学员。

Training fees are covered by the organizer, brush pens and other study tools and souvenirs will be delivered to trainees by DHL.

● 申请和审批手续 APPLICATION AND ADMISSION

- 1.学员需先登录中国科技部网址 (https://mostip.cistc.gov.cn/student_login.aspx)，进入培训班学员报名中心，按系统指示填写报名信息，示例如图1、图2。请同时准备要上传的电子档照片，大小不超过1M。

1. Log in on the website of Ministry of Science and Technology of P. R. China (https://mostip.cistc.gov.cn/student_login.aspx), enter trainee enrollment center, input personal information as required (as shown in Figures 1 and 2), and upload a photo (less than 1M) taken recently.



图 1/Figure 1

图 2/Figure 2

2. 报名学员需在9月8日前完成网上申报并将如下材料通过电子邮件 chenna_sk@hust.edu.cn 发送到武汉华中数控股份有限公司：①《申请表》；②《信息表》、推荐单位公函，推荐信必须由单位正式盖章推荐，任何个人推荐均视为无效；③护照扫描件（如果你不是第一次来中国，请同时提交以前来中国的签证及出入境记录页扫描件）；④所在单位的营业执照扫描件；⑤工作证件或者证明是该单位职员的材料。

3. 录取学员需在9月23日前将国家发展及技术情况的报告电子档发至 chenna_sk@hust.edu.cn。

4. 武汉华中数控股份有限公司对学员提交的报名材料进行审核后，将申请递交中华人民共和国科技部，并向被录取的学员颁发《录取通知书》。

2. It's required that trainees should complete online application before Sept. 8th, 2021 and email the following materials to HCNC at chenna_sk@hust.edu.cn: a. Application Form; b. Information Form; c. Recommendation Letter, must be officially signed and sealed by the employer, any personal references are considered to be invalid; d. Scanned copy of passport (if it is not your first visit to China, please scan your previous entry visa(s) to China and entry/exit records); e. Scanned copy of your employer's Business License; f. Certificate of employment or any documents that can prove you are working for the employer.
3. Accepted applicants are required to email their reports on CNC technology development situation in their own countries to chenna_sk@hust.edu.cn before Sept. 23th, 2021.
4. HCNC will review the application materials and then submit them to the Ministry of Science and Technology of P. R. China. Admission Notice will be issued to the accepted applicants.

● 报到方式 REGISTRATION

- 学员凭《录取通知书》于10月25日—29日期间实名登录授课系统报到，由华中科技大学国际教育学院给予国际学生学号。Admission Notice is required for online registration of the training system during 25th to 29th October, international student's ID will be issued then.

● 报名联系方式 CONTACT INFORMATION

单位名称：华中科技大学
单位地址：湖北省武汉市洪山区珞喻路1037号
联系电话：+86 15802787750; +86 13807192196 13+86-27-87542457
E-mail: chenna_sk@hust.edu.cn, ganhuijie@hust.edu.cn, iso@hust.edu.cn
联系人：陈娜；甘慧杰；艾霄；

Huazhong University of Science and Technology
Tel: +86 15802787750; +86 13807192196 13+86-27-87542457
E-mail: chenna_sk@hust.edu.cn, ganhuijie@hust.edu.cn, iso@hust.edu.cn
Contacts: Ms. Chen Na, Ms. Gan Huijie, Mr. Ai Xiao



武汉华中数控
股份有限公司

Wuhan Huazhong Numerical Control Co., Ltd. (HCNC)

招生简章



华中科技大学机械
科学与工程学院

School of Mechanical Science and Engineering (MSE),
Huazhong University of Science and Technology (HUST)



武汉华中数控股份有限公司(以下简称“公司”)是国产中、高档数控系统产业化基地,国产数控系统行业首家上市公司。公司与华中科技大学产学研紧密合作,长期坚持前沿创新,提升中国制造业的智能化水平。经过几十年的发展,组建了一支1500人的数控技术研究、开发、产业化的人才队伍。

公司是国家级高科技企业,被科技部、国务院国资委和全国总工会选为国家首批91家“创新型”企业之一。华中数控自主创新,通过关键技术的突破,成功研制出华中8型系列化高档数控系统,攻克了高可靠、成套化的开放式平台,高速、高精、多轴联动控制技术,基于指令域大数据关联的网络化、智能化技术等高档数控系统关键技术,是配套最多的国产高档数控系统。华中数控已具有系列化中、高档数控装置、伺服驱动、伺服电机的自主知识产权的成套能力,形成了年销售数控系统2万台套、伺服电机17万台套的产业规模,年营业收入近10亿元。

Wuhan Huazhong Numerical Control Co., Ltd. (HCNC) is the domestically-developed high-end numerical control system industrialization base, which is the first listed company domestically in CNC system industry and the first state-level innovative enterprises. HCNC cooperates closely with the Huazhong University of Science and Technology. After decades of development, HCNC set up a 1500 personnel of CNC research, development and industrialization.

The company is a state-level high-tech enterprise, it was selected by the Ministry of Science and Technology, the State Council SASAC and the National Federation of Trade Unions as the country's first batch of 91 "innovative enterprises." After several generations of technological breakthroughs, HCNC has developed a self-controllable numerical control system represented by the type-8 of Huazhong Numerical Control System. Type-8 of Huazhong Numerical Control System achieved high speed and high precision motion control, fieldbus, multi-axis linkage, multi-axis synchronous control, collision prevention. The company has a complete set of independent intellectual property rights for series and high-end numerical control devices, servo drives and servo motors. It has formed an annual sales scale of 20,000 sets of CNC systems and 170,000 sets of servo motors, the annual operating revenue is near 1 billion RMB.



华中科技大学(HUST)是国家教育部直属重点综合性大学,是国家“211工程”重点建设和“985工程”建设高校之一,是首批“双一流”建设高校。学校位居中国高校前10位,全球前200位。校园位于武汉,被誉为“森林大学”,校园占地7000余亩。HUST致力于人文和科学教育的融合,并致力于培养全面发展的个人。

华中科技大学拥有45个院系,涵盖哲学、经济学、法学、教育学、文学、理学、工学、医学、管理学、艺术学等10大学科门类,设有99个本科专业,202个硕士学位授权点,189个博士学位授权点,39个博士后科研流动站。58000余名学生在校学习,其中25000名研究生,3626名来自153个国家的国际学生。

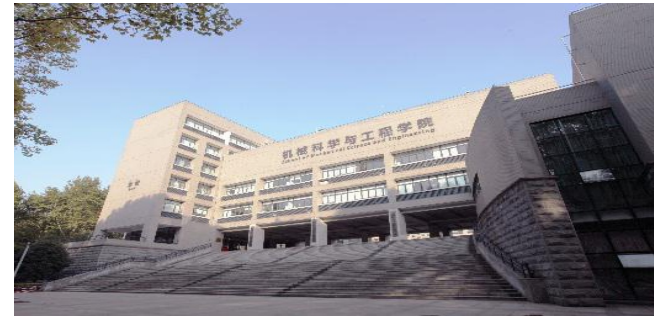
在教育部第四轮学科评估中,“机械工程”、“光学工程”、“生物医学工程”、“公共卫生与预防医学”等四个学科进入A+。

HUST is a well-known university with a good ranking of top 10 in China and top 200 in the world.

Located in Wuhan, the campus, also known as "University in the Forest", covers an area of over 460 hectares. HUST is devoted to fusion of humanistic and scientific education, and is dedicated to nurturing well-rounded individuals.

HUST has 45 schools and departments, covering 10 subject areas: philosophy, economics, law, education, literature, science, engineering, medicine, management and arts, offering a variety of degree programs, including 99 undergraduate programs, 202 master programs and 189 PhD programs. There are around 58,000 students studying on campus, among which 25,000 are postgraduates and 3626 are international students from 153 countries.

In the fourth round of Discipline Assessment of the Ministry of Education, four disciplines namely, Mechanical Engineering, Optical Engineering, Biomedical Engineering, Public Health and Preventive Medicine, rank top 1 (A+) among their counterparts in China.



华中科技大学机械科学与工程学院以雄厚实力稳居中国最好机械学院之一,跻身国际一流机械工程学科行列。在教育部2012年和2016年学科评估中均获得并列第一的成绩;2018年ESI工程学科排名全球前1%,并以95%的趋近度接近前1‰。2020年,工程学科排名进入全球前万分之一。

六十多年来,学院与国家战略同频共振,与强国梦想同向而行,始终挺立时代潮头。学院研制了我国首台立式卧式加工中心和世界首台全身伽马刀,获得了美国制造工程师学会颁发的大学领先奖以及国家科技进步一等奖等多项荣誉。学院拥有3名中国科学院院士和3名中国工程院院士,25名机械工程领域知名专家,5个国家级研究平台和2个国家级教学平台。

学院强调“厚基础、强能力、重实践、求创新”,大力鼓励学生勇敢地 go 去解决挑战性工程问题。师生共同铸就了“学在华中大”的社会美誉。多年来,机械学院培养了一大批优秀人才。来自全世界不同种族和语言的学生汇聚在这里发挥天赋、展示才华,我们欢迎您的加入。

School of Mechanical Science and Engineering(MSE)of HUST ranks among the best mechanical schools in China, and is among 1st class mechanical engineering disciplines of the world. In the MOE discipline evaluation in 2012 and in 2016, MSE mechanical engineering tied for first place. In 2018, the ESI of engineering disciplines ranks top 1% of the world and in 2020 top 1‰.

For over sixty years, the School has been keeping in line with national strategies, and growing along with the dream of thriving China. The School developed the first vertical horizontal machining centers of China, the first whole-body gamma knife of the world, and has received a number of honors including University Leading Prize from the Society of Manufacturing Engineers (SME) and 1st class State Science and Technology Progress Award, etc. Here, there are a large number of academic giants in mechanical engineering, including 3 Academicians of Chinese Academy of Sciences, 3 Academicians of Chinese Academy of Engineering, and 25 well-known experts. We've established 5 national best research platforms and 2 national best teaching platforms.

We emphasize on improving students' ability on both theory and practice, and encourage students to solve challenging engineering problems. The teachers and students establish a social reputation of "HUST is your first choice of studying". For years, the School has cultivated a large number of elites. We warmly welcome you to join us.



华中科技大学
Huazhong University of Sci & Tech