FEATURES
办学特色

MISSION
使命

- **Research**
  - Service
    - To serve the needs of innovation-oriented national development
    - To serve the needs of building Shenzhen into a modern, international and innovative city
  - Reform
    - To lead higher education reform in China
    - To serve as a model for reforming the education system and modernizing the national university system

服务使命
- 服务创新型国家建设
- 服务深圳现代化国际化创新型城市建设

改革使命
- 成为中国高等教育的一面旗帜，多所高水平研究型大学的试验田
- 为教育体制改革与现代大学制度建设作示范

GOAL
目标

- **01**
  - To be a world-class research university
  - 建成国际化高水平研究型大学

- **02**
  - To cultivate outstanding and innovative talents
  - 培养拔尖创新人才

- **03**
  - To achieve internationally excellent research outcomes
  - 创造国际一流学术成果

- **04**
  - To support the sustainable development of Shenzhen, Guangdong and the whole country by advancing knowledge and promoting the application of science and technology
  - 推动科技创新，支撑国家、广东及深圳可持续发展
ABOUT SUSTech

Building SUSTech into an international, world-class university with Chinese characteristics is our unwavering goal. We have the courage, capability, confidence and determination to develop SUSTech, located at the forefront of innovation, into the most attractive university for academics and the most inspiring university for students around the world.

—Yurong Guo, Chairperson of University Council, SUSTech

SUSTech was founded with the mission to reform. That is the spirit we carry on today. We synchronize change and creation, and spur development with innovation. Following the guidelines of international standards, frontier disciplines, entrepreneurship and innovation, SUSTech will stand out with distinctive characteristics.

—Shiyi Chen, President of SUSTech

South China University of Technology has been one of the most high-quality educational institutions in China. Today, the university has achieved many achievements in teaching and research. The university has established a strong academic foundation and has developed a comprehensive, high-quality education system.

SUSTech is an international, world-class university with Chinese characteristics. It is one of the most attractive universities for academics and students around the world. The university has established a strong academic foundation and has developed a comprehensive, high-quality education system.

Stage I (2016-2020) will lay down a solid foundation for long-term development. In accordance with international standards, the university will outline the disciplinary structure, establish academic programs, build the faculty body, design teaching and advising mechanisms, install modern management and supporting systems, and implement social service systems. By 2020, several featured disciplines should reach the top level domestically.

Stage II (2021-2025) will witness rapid development. Disciplinary clusters will emerge, led by internationally renowned scholars. The education function is well supported by an integrated talent cultivation system, and the quality of education is significantly improved and widely recognized by the public. The trilogy of research, education and industry is expected to generate cutting-edge research outcomes, entrepreneurship and social services. SUSTech becomes a leading university with unique features in China.

Stage III (2026-2049) will anticipate development on all fronts. SUSTech strives to become a leading international university.

In the future, SUSTech will continue to carry forward the founding spirit of “being bold and experimental, truthful and realistic, reformatory and innovative, competitive and excellent!” with emphasis on education, research and services so as to achieve its goals on a global scale.

SUSTech is an international, world-class university with Chinese characteristics. It is one of the most attractive universities for academics and students around the world. The university has established a strong academic foundation and has developed a comprehensive, high-quality education system.

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A商机C PROGRAMS
学科专业

With the aim of becoming a top-tier research university, by learning from best practice at world-class universities and driven by the needs of the development of the newly-emerged industries both in the country and in the Pearl River Delta region, SUSTech focuses on sciences and engineering, complemented by selected programs in medical science, humanities, and social sciences. By conducting research on a series of new areas of study, SUSTech takes a leading role as a think tank in social development as well as being a source of new knowledge and new technology. Currently, SUSTech has 17 undergraduate programs, including physics, chemistry, biological sciences, biotechnology, bioinformatics, biomedical engineering, communications engineering, electronics and information engineering, materials science and engineering, management, and environmental science, innovation, and entrepreneurship. Each school will consist of several departments. About 76 research centers will be established focusing on interdisciplinary studies.

South China University of Technology (SUSTech) has established academic programs in sciences and engineering, and emphasizes emerging and interdisciplinary disciplines such as electronic information, biology, new materials, environmental conservation and green energies. Currently, SUSTech has 13 departments.

南开大学是理工科为主，目前设置13个系。

学校重点发展电子信息、生物、新材料、环保、能源学科和交叉学科。

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<td>Animal Center</td>
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<td>Big Data and Large-scale Computational Research Center</td>
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SUSTech has formed a first-class faculty body with a high international profile.

截至2016年11月，南方科技大学已签约引进教师330人，其中90%以上具有海外工作经验，60%以上具有在世界排名前100大学工作或学习的经历。其中包括院士14人，国家“千人计划”入选者34人，教育部“长江学者”12人，“国家自然科学基金杰出青年基金”获得者12人，“青年千人计划”入选者46人，深圳市“孔雀计划”147人。

### Faculty Structure

- **100%** hold PhD degrees
- **90%** have worked overseas
- **60%** are from the top 100 universities in the world
- **30%** are recipients of Thousand Talents Program and Young Talents Program

In November, 2015, Prof. Robert H. Grubbs, the winner of Nobel Prize in Chemistry in 2005, became the Chairman of the Academic Advisory Board of the Department of Chemistry. Prof. Grubbs will establish the Grubbs Institute at SUSTech.

SUSTech is committed to the cultivation of outstanding and innovative talents. In fall 2016, the undergraduate enrollment had reached close to 3,000 students, including the first seven international students. The first batch of graduate students admitted to SUSTech was enrolled in 2015. By 2020, SUSTech will have 4,000 undergraduate students and 4,000 graduate students. As proof of the quality of SUSTech education, 79% of the first cohort of SUSTech graduates has been admitted into PhD programs by world-class universities abroad.

Fulfilling the requirements for a bachelor’s degree at SUSTech normally takes four years. The 2+2 educational model means two years of foundation courses focused on general education in a multitude of disciplines followed, by two years of studies in a specialized area. Students do not declare a major until the end of their second year. In promoting active learning, SUSTech engages students in in-class learning, in-laboratory training and scientific research.

SUSTech operates a residential college (RC) system. Central to the whole person education at SUSTech, the RC offers a variety of extra-curricular activities to nurture student development in cognitive, emotional and social skills. The RC is a community wherein faculty members and students communicate freely and frequently.

Each RC has its own culture, activities, formal courses, consultative services and interesting clubs. Each freshman is invited to join a RC. Different RCs develop distinctive characteristics, e.g. emphasis on music, arts, sports, language, etc. Through the RC, each student signs up for a faculty advisor to receive mentoring through the undergraduate years.

Currently, there are six RCs, which are Zhiren College, Shuren College, Zhicheng College, Shude College, Zhixun College, and Shuli College.

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Internationalized curriculum synchronized with that of the world’s top universities

Professional development and internationalization

Teaching content in line with international standards

Undergraduate education: full-time teaching and learning

English as an instructional language

Professional courses and core courses for English language

Integration of general education and subject learning

Professional courses and professional development

Student-centered innovation and entrepreneurship training and projects

Professional courses and independent research projects

Focus on lab practice and internship

Early participation in research supported by faculty supervisors

Internship and independent research

Grants available for students’ overseas internship, study and exchange

School offers students overseas internship and exchange opportunities

A wide range of courses

Curriculum with breadth and depth

Basic education in the first two years

Basic education for the next two years
EDUCATIONAL MODE

1. Residential College
   - Diverse college culture
   - Enriching student activities
   - Rich peer communication across subjects
   - Rich extracurricular activities
   - Multi-disciplinary activities

2. Tutorial System
   - Subject & life dual tutors
   - Clear academic expectations and milestones
   - Guidance on academic and personal growth

3. Credit System
   - Full credit system
   - Individualized curriculum
   - Flexible length of study
   - Individualized curricula

4. Individualized Education
   - Extensive elective courses
   - Individualized learning
   - Opportunities for dual degrees and academic minors
   - Mentoring schemes
   - Personalized learning
   - Dual-degree and interdisciplinary majors

5. Education with International Outlook
   - Internationalized curricula
   - Globally recognized faculty
   - Well-funded study & internship abroad
   - World-class language Education Centers
   - Internship opportunities
   - International language learning center

6. Education for Excellence
   - Curriculum and faculty open to future & innovation
   - Research inspired teaching
   - Well-supported student learning and research
   - International educational exchange
   - Quality teaching and research
   - Advanced learning and research environment

INNOVATION AND ENTREPRENEURSHIP EDUCATION

创新创业教育

Providing SUSTech-sponsored “innovation and entrepreneurship” programs.
Online courses on innovation and entrepreneurship synchronized with those at the world’s top universities.
Tutor guided entrepreneurial practice.
Hands-on experience in the SUSTech Student Workshop.

帮助大学生创新创业项目
引进国际一流大学的创新创业线上课程
导师全面指导学生创新创业实践
建立本科学科创新创业工作站
RESEARCH

Research is the pillar supporting SUSTech’s education and university development. SUSTech has undertaken 267 research projects ranging from state, provincial, to city levels. SUSTech faculty has published 823 academic works and journal papers in the past three years.

SUSTech ranks No. 62 among the top 100 world leading institutions for high-quality science and No. 3 in terms of the percentage change in WFC from 2012 to 2015 in the Nature Index 2016 Rising Stars recently released by Nature Supplement.

Research Platforms

Research centers, laboratories and other research platforms are the core of the academic system of the University. Extensive financial support from SUSTech and Shenzhen Municipal Government has been provided.

Research Projects

In 2015, SUSTech researchers submitted 94 research project applications for funds from the National Natural Science Foundation of China. 34 have been accepted to receive RMB 15,440,000 in total.

SUSTech Innovation & Entrepreneurship Centre

SUSTech is constructing its International Maker Base to promote innovation and entrepreneurship-related teaching, research, and international cooperation.
Students
学子风采

Graduates
毕业生

In July 2014, Jiale Wang was admitted to Materials Science and Engineering Department, University of Oxford, and Minghao He was admitted to University College London. 79% of the first cohort of SUSTech graduates has been admitted into PhD programs by world-class universities abroad.

2014年7月，首届学生王嘉乐和何明浩被英国牛津大学材料科学与工程系录取，何明浩被英国伦敦大学学院录取，首届毕业生中79%被世界名校录取，绝大多数进入博士专业学习。

Undergraduate Research
学生科研

Accepted by IEEE International Conference.
“IEEE计算机与自动工程国际会议收录南科大本科生论文”

Published in PLOS ONE.
“国际学术期刊 PLOS one 访问南科大本科生论文”

Presented at ICEPT 2015.
“南科大本科生参加电子封装技术国际会议并作口头报告”

Student Awards
学生获奖

SUSTech student team participated in the International Mathematics Contest and won prizes, representing China for the first time.
代表中国大学生首次参加全国数学竞赛并全部获奖

SUSTech student team won three successive championships in the International Genetically Engineered Machine Competition (iGEM).
国际基因工程机器大赛连续三年夺得金牌

SUSTech students won the gold prize in the 5th University Physics Competition in the US.
第五届美国大学物理竞赛获金奖

SUSTech students won first prize in the national university students mathematics modeling contest.
全国大学生数学建模竞赛获一等奖

SUSTech students won first prize in the China University Financial Elite Contest.
全国大学生金融精英挑战赛获一等奖

SUSTech student won the Grand Prize in National Undergraduate Financial Futures and Derivatives Knowledge Contest.
“中金杯”全国高校大学生金融知识竞赛获特等奖
CAMPUS LIFE
校园生活

Academic Culture
学术文化
SUSTech students communicate face to face with Nobel Laureates, experts and scholars, and attend seminars, lectures and forums, frequently organized on campus.

以“南科大讲堂”为代表的高雅学术讲座、论坛，研讨会密集举行，与诺奖得主、中外院士与学子面对面深入交流。此外，南科大大力提倡理论与实践相结合的学习，设立专项学生学术研究支撑计划。

Sports
体育文化
SUSTech is the most exciting and vibrant place to live with its sports culture and numerous facilities.

“崇尚运动，乐于竞争”是南科大体育育人精神写照。学校一应俱全的体育设施包括足球、篮球、网球、游泳等各类场馆，学校体育中心努力使学校在体育教学、群体活动、竞技体育、体育科研、师资队伍、场馆设施六个方面跻身于国际一流高水平大学行列。

Dining
食在南科

Social Activities
社会实践
As a pioneer and innovator in China’s higher education, we help students to develop responsibility and independence through various activities.

南科大肩负着中国高等教育改革创新的使命，学生的责任感教育培养成为重要元素，学生们充分珍惜实践学习机会，深入基层，了解社会，体验生活，开展社会调研活动。
STUDENT CLUB ACTIVITIES
社团活动

Students at SUSTech organized many clubs such as the Literature Club, Hip Hop Club, Reading Club, Sit-Com Society, Guitar Club, Calligraphy Society and Voice-Dubbing Society. Through extra-curricular activities, students from different programs and disciplines interact with each other and share living and learning experiences.

Currently, there are 79 clubs, in fields of technological innovation, public service activities, literature and art etc., including 12 clubs for academic skills, 61 clubs for art and sports, 3 clubs for innovation and entrepreneurship, and 2 clubs for volunteer social work.

Students自发组织了多彩多样的社团，如文学社、街舞社、书友会、情景喜剧社、吉他社、书法社和广播社等。社团生活让不同学科的学生在知识、思想、情感、文化、信息等方面相互交融、激励和提高，开阔了学生的视野和胸襟，提升了学生文化素质和修养。

现有社团79个，覆盖科技创新、实践公益、文艺体育等发展方向，其中学术科技类12个，文化体育类61个，创新创业类3个，志愿公益类2个。

Arts
艺术校园

SUPPORT
支持保障

Human Resource practice of SUSTech follows international standards and uses the tenure system. SUSTech offers a competitive salary package, faculty housing on campus, ample laboratory space, generous start-up funding, and modern teaching facilities. This is a place where the faculty can realize their dreams.

南方科技大学人才筹集方式与国际接轨，师资管理采用国际型大学通用的终身制体系，学校为教师提供丰厚的薪酬待遇、设备齐全的安居房、充足的实验室空间、充裕的科研启动经费，以及教学、科研、生活方面的诸多便利，让教师有施展才华、实现抱负的平台，有安家乐业的坚实保障。

NEW YEAR PARTY
迎新联欢
INTERNATIONAL COLLABORATION

Overseas Partners

United Kingdom:
11. University of Edinburgh, 爱丁堡大学
12. University of Birmingham, 伯明翰大学
13. University of Leeds, 利兹大学
14. University of Warwick, 华威大学
15. University of East Anglia, 东安格利亚大学

Asia Pacific:
16. University of Sydney, 悉尼大学
17. National University of Singapore, 新加坡国立大学
18. University of Queensland, 昆士兰大学
19. University of Hong Kong, 香港大学
20. Hong Kong University of Science and Technology, 香港科技大学

On July 19, 2016, SUSTech signed an agreement with Johns Hopkins University to jointly prepare for a high-quality medical school that meets international standards.

2016年7月19日，南方科技大学与约翰霍普金斯大学签订合作协议，联合培养国际化本科医学人才。

First-class Center for Language Education

A noted linguist with wide-ranging expertise in English language training and university management as the director of the center.

All teachers with graduate degrees from or work experience at world-class universities.

Advanced language training system, 建筑一流语言训练体系

Joint Graduate Programs with Overseas Universities

SUSTech has established its international platform for academic exchange and cooperation. The International Center for Higher Education Innovation at SUSTech was approved as a UNESCO Category 2 Institute in 2015. SUSTech, in association with 9 higher education institutions, initiated the Shenzhen International Friendship City University League (SIFCU), which has attracted 28 universities from 13 countries. In addition, SUSTech has signed MOUs or agreements with more than 20 world class universities for joint programs, and cooperation in education and research. In this frame, students have opportunities to enrich their learning experience by studying at the University of British Columbia (Canada), the University of Edinburgh (UK), Georgia Institute of Technology (US), Columbia University (US), Temple University (US), University of Queensland (AU) and other universities via student exchange programs, academic exchanges, summer schools, internship, and other cooperation projects. SUSTech also offers Overseas Scholarships to enable all its students to avail of an opportunity for overseas experience within the time of their study at SUSTech.

On August 11, 2016, President Shyi Chien signed a Doctoral Training Agreement and Memorandum of Cooperation between SUSTech and University of East Anglia with Vice-Chancellor David Richardson.

2016年8月11日，校长陈明远与东英吉利大学校长David Richardson共同签署《南方科技大学——东英吉利大学博士联合培养协议》、《南方科技大学——东英吉利大学合作备忘录》，
On October 15, 2016, MOU Signing Ceremony between SUSTech, the University of Michigan and Beijing Institute for Collaborative Innovation.

2016年10月15日，南科大与北京协同创新研究院、密歇根大学签署合作协议，共建先进制造国际创新实验室。

On December 15, 2015, President Shi Ji Chen met with University of Chicago President Robert Zimmer.

2015年12月15日，陈十一校长在香会见了美国芝加哥大学校长并进行会谈。

On October 12, 2016, SUSTech hosted the two-day visit by University of Queensland scholars in Engineering and Brain Science led by UQ President Peter Haj.

2016年10月12日，澳大利亚昆士兰大学校长Peter Haj带领该校科学研究院以及工程、建筑与信息技术等代表团来访我校。

On August 8, 2016, SUSTech delegation had afternoon tea with Vice-Chancellor & President Stuart Croft of the University of Warwick.

2016年8月8日，陈十一校长一行与华威大学校长Stuart Croft等举行下午茶会谈。

On September 24, 2015, 10 SUSTech exchange students at Temple University participated in the Chinese gathering to welcome the visit of President Jinping Xi to the U.S.

2015年9月24日，10名在天普大学访学的学生与来自美国各地的华人一起欢迎来访的习近平主席。

On October 15, 2016, students of SUSTech went to the University of British Columbia (UBC) to attend a four-week academic program.

2015年夏天，15名学生在英属哥伦比亚大学完成了为期四周的暑期课程学习。

INNOVATION
体制创新

SUSTech has established a modern governance system with Chinese characteristics. The university is led by the President under the auspices of the Council, with full faculty participation in the governance of academic affairs. In May 2011, the Shenzhen Municipal Government issued the Temporary SUSTech Ordinance, which, under the “one law for one institution” principle, guarantees the university’s right to manage its own affairs through the rule of law and ensures full academic freedom.

The University Council is comprised of government representatives, the University President and faculty representatives, and members of the public. The university also has an external Presidential Advisory Committee to advise the President on long-term strategy and development. The first committee includes five internationally renowned academic scholars, four of whom are members of the US National Academy of Engineering, Professor Henry Tang of UC Santa Barbara, Professor Ching-Ming Ho and Professor Xiang Zhang of UC Berkeley, Professor Gang Chen of MIT, and Professor Yu-Chung Tai of Caltech.

The University has also established the SUSTech Education Foundation to raise funds for operations and research. In 2014, SUSTech signed a cooperation agreement with Amer International Group which is a “Fortune 500” corporation, and established the “SUSTech-Amer Investment Fund” of RMB 1 billion. In 2016, Baoneng Group donated RMB 100 Million into SUSTech Education Foundation, and CheerLand Investment Group donated RMB 110 Million.

南方科技大学探索建立具有中国特色的现代大学制度，遵循理事会治理、教授治学、学术自治原则，实施党委会领导下的校长负责制。2011年5月，深圳市政府发布《南方科技大学管理暂行办法》，以“一校一条”形式保障南方科技大学依法自主办学。

学校设立理事会、常委会、校长、校务委员会和校学术委员会，建立教授会和学术委员会。理事会是学校决策机构，由政府代表、校长、管理团队和教职员工代表以及社会知名人士等组成，顾问委员会作为咨询机构，聘请国内外知名学者担任委员，为学校发展出谋划策。目前顾问委员会成员包括5位国际学术权威——美国国家工程院院士、UCSB材料科学教授、UCLA化学教授、MIT统计教授和UCB物理教授，以及Caltech副校长教授。

学校设立教育基金会，接收社会捐赠用于办学科研。2014年，与世界500强企业正威国际集团签署战略合作伙伴框架协议，并成立“南科大正威产业投资基金”，基金规模10亿元。2016年，先后获得正威集团1亿元、乐土投资集团1.1亿元人民币捐款。

On August 8, 2016, SUSTech delegation had afternoon tea with Vice-Chancellor & President Stuart Croft of the University of Warwick.

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2015年12月15日，陈十一校长在香会见了美国芝加哥大学校长并进行会谈。
GREEN CAMPUS

The campus of SUSTech is located in the Nanshan District of Shenzhen, covering an area of 1,943,800 m². The total construction area is more than 640,000 m² planned to be completed in two phases.

The total Phase I space which comprises 32 buildings and complementary facilities is 202,600 m², a capacity sufficient for 2,700 students with functions in teaching, research, administration, recreation and residential life. Phase II and the rest of Phase I are about 438,000 m² planned to be completed in 2016-2018. Upon completion, the campus of SUSTech will meet the needs of 8,000 students.

The new campus enjoys convenient transportation in a natural, tranquil environment. The buildings are practical in use and modern in style. The architecture accommodates requirements of teaching, research and management, and conveys notions of energy conservation and eco-friendliness.

SUSTech University is located in Nanshan District, Shenzhen City, covering an area of 194,380 square meters, with 32 buildings and complementary facilities occupying a total area of 202,600 square meters. The campus is designed to accommodate the needs of 2,700 students. Phase II, which includes the rest of Phase I, is expected to be completed in 2016-2018, and will accommodate 8,000 students upon completion.

The new campus enjoys convenient transportation in a natural, tranquil environment. The buildings are practical in use and modern in style. The architecture accommodates requirements of teaching, research, and management, and conveys notions of energy conservation and eco-friendliness.

PHASE II
CAMPUS DEVELOPMENT

The campus of SUSTech sits on a scenic stretch of land with winding creeks and tree-lined hills in the Nanshan District of Shenzhen. The phase II of campus development will be built with a total area of 316,994 m².

SUSTech University's Phase II campus is situated on a scenic stretch of land with winding creeks and tree-lined hills in the Nanshan District of Shenzhen. The Phase II development will cover a total area of 316,994 square meters.
数学系

ACADEMICS

院系设置

Department of Mathematics

数学系

Officially founded in June 2015, the Department of Mathematics aims to conduct cutting edge research in mathematics and its applications, and to train a new generation of students with competitive mathematical skills, a strong sense of innovation and discovery, and real life problem solving capabilities.

Expected to grow rapidly, the department now has 31 faculty members, whose research interests range from pure mathematics, to computational mathematics, applied mathematics, probability and statistics, financial mathematics, and to mathematical biology. Among the faculty are top researchers in their fields, as well as experienced teachers who are dedicated to undergraduate and graduate education. The department provides not only facilities such as brand new computer labs, but also a friendly environment in which faculty members and students interact closely. It offers scholarship, financial aid and research funds to students.

数学系于2015年6月正式成立，是南方科技大学2015年新成立的重点院系。数学系的成立对于学校发展和提高学科建设水平的作用，对学校各个专业提供数学支持，同时为国家培养一大批具有良好的数学基础、较强的创新意识和能力、优良的综合素质、有潜力成为领军人才的青年学子。

数学系现有专任教师31人，其中讲授教授5名，教授7名，访问教授1名，副教授1名，助理教授5名，访问助理教授4名，数学系列人员6名；其中数学学士2名（汤道教授，吴志光教授），“千人计划”学者1名（吴志光教授，王学镇教授，李晓雁教授），“青年千人计划”学者1名（李晓雁教授）。研究领域涉及数学的各个方面，包括基础数学、计算数学、应用数学、概率论与数理统计、金融数学等。

数学系现有金融数学和数学与应用数学两个本科专业，并正积极申报计算机数学和统计学专业。数学系全力以赴为学生营造一流的学习环境，配备门类齐全的实验室，设立专门的数学实验室，提供多种类型的奖学金和科研资助，同时根据国际化的办学方针，积极开展国际合作办学，与多所国际知名高校的数学系建立形式多样、内涵丰富的人才培养合作项目。
Department of Physics

物理系

The Department of Physics was established in 2011. The Department's commitment is to develop first-class education and top-notch research in physics. The Department of Physics has been granted authority to award bachelor's degree in physics. Moreover, the Department offers long-term joint Master and PhD programs, in collaboration with other renowned universities, including Peking University, Harbin Institute of Technology, University of Hong Kong, Hong Kong University of Science and Technology, and National University of Singapore. In addition, the Department has established long-term joint post-doctoral workstations with Peking University, Fudan University, Wuhan University and other colleges and universities.

The Department has a current size of 30 academic staffs, including 6 chair professors, 3 professors, 13 associate professors, and 8 assistant professors. There are 4 Academicians of the Chinese Academy of Sciences (Including dual-employed), 1 Changjiang Scholar, 1 Distinguished Young Scholar, 1 nationally outstanding teacher, 2 “Thousand Talents Program” scholars, 9 “Young Thousand Talents Program” scholars, 1 leading talent of “Pearl River Talent Program” by Guangdong Province, and 2 “Pengcheng” scholars. Members of our academic staff all have study or work experience at top 100 universities in the world.

The Department of Physics now offers 3 majors in condensed matter physics, materials physics and theoretical physics, while setting up biophysics, astrophysics and particle physics. The staff members are engaged in frontier researches in the fields of quantum transport and regulation, surface physics, materials physics, computational physics, condensed matter theory, quantum information and quantum computing.

In recent years, the staff members have published many papers in high profile journals, gaining the Department international impact. Our research support totaled more than 58.1 million (CNY), including 24 projects from National Natural Science Foundation of China, 4 projects from Ministry of Science and Technology and Department of Education, 9 projects from Guangdong Natural Science Foundation, and 22 projects from Shenzhen City.

Department of Chemistry

化学系

Chemistry is regarded as the central science because of its role in connecting different subjects and its importance in interdisciplinary research, such as chemical biology, materials science, energy, agricultural development, drug discovery and so on. Established in 2011, the Chemistry Department has developed at a rapid speed, and has 23 full-time faculty members, nine engineers. The Department Chair is Prof. Xumu Zhang, a former Distinguished Professor of Chemistry at Rutgers University, the state university of New Jersey, a Full Professor at Pennsylvania State University. He is also the recipient of “The Thousand Talents Program,” The Outstanding Young Scholar B, and the Changjiang Scholar Lecture Professor. Thanks to the strong support from both the Central Government and the Shenzhen Municipal Government, the department aims to be one of the best in China and has attracted many experts from all over the world, some of whom were already famed full professors in the US or equivalents in the US or Japan before joining SUSTech. They are all supported by various high-level talented programs in China — including 5 supported by the prestigious “Thousand Talents Program,” 8 supported by the Outstanding Young Scholars Fund, and 18 supported by the Peacock Plan Overseas High-Caliber Personnel of Shenzhen. In particular, the Chemistry Department strives to gain internationally renowned achievements in research and to foster excellent scientists and engineers in the areas of inorganic chemistry, organic chemistry, bioanalytical chemistry, and physical chemistry/molecular materials chemistry.

The Department of Chemistry has been awarded with 40 major research grants of more than RM8 million (or 160 million U.S.). In the last three years, more than 100 research papers have been published in prestigious chemistry journals, such as Nature Communication, Chem. Soc. Rev., J. Am. Chem. Soc., Angew. Chem. Int. Ed., etc. Some of which were highlighted in Nature, Nature Chemistry, or used as VIP cover papers.

Adhering to our SUSTech's motto of "Research, Innovation and Entrepreneurship", the chemistry department focuses on cultivating students' innovation, critical thinking and ability for interdisciplinary cooperation. The undergraduates at SUSTech are strongly encouraged to participate in various frontier research programs supervised by professors. The department maintains a wide range of sophisticated instrumentation necessary for modern chemical research and teaching.

化学作为21世纪的中心学科，在生命科学、材料科学、能源科学、农业科学、医学科学、环境科学等领域的应用越来越广泛。化学系成立于2011年，由郎洪主编、陈素兴和“千人计划”引进人才负责。经过几年的发展，化学系已经成为国内一流的化学系。化学系现有23名全职教师，其中4名国家杰出青年科学基金获得者，1名“青年千人计划”入选者，1名“青年杰出青年基金”入选者，1名国家重点基础研究发展计划(973计划)，1名国家自然科学基金委员会“优青”和1名国家海外高层次人才引进计划“青年千人计划”。化学系目前有化学、材料化学、物理化学、分析化学等多个研究方向，涵盖了无机化学、有机化学、物理化学、分析化学、材料化学、计算化学等多个领域。化学系已独立承担四十多项国家级、省级的科研项目，包括国家自然科学基金项目20余项，科研经费超过一亿元。过去的三年中，以化学系为通讯作者身份在Nature Communication, Chem. Soc. Rev., JACS, Angew. Chem. Int. Ed.等其他化学权威期刊上发表论文100余篇。部分研究成果也发表于Nature, Nature Chemistry等国际顶级期刊推荐或被选为封面。

化学系秉承“创新，创业，创造”的办学理念，注重培养学生的创新能力、批判精神和学科交叉合作的能力。化学系拥有一流的科研条件和团队，教授的科研实验室是所有本科生参与科研创新研究的机会。
欢迎！

生物系

Department of Biology

自2017年成立以来，Bio-Sci学院汇集了来自全球各地的顶尖教授和研究人员，致力于基础研究和应用科研的前沿探索。我们的使命是推动生物学领域的发展，为解决全球挑战贡献智慧。

1. 基因工程
2. 细胞生物学
3. 生物化学
4. 生态学
5. 遗传学

生物医学

医学系

Department of Medical Science

自2018年成立以来，Med-Sci学院汇聚了全球顶尖的医疗专家，致力于突破医学科学的边界，为人类健康带来福祉。我们的使命是推动医学领域的创新，为全球医疗健康提供解决方案。

1. 临床医学
2. 医学影像学
3. 公共卫生
4. 儿童医疗
5. 老年医学

电子与电气工程

Department of Electronic and Electrical Engineering

2019年，电-信学院正式成立，旨在推动电子信息技术的发展，为全球科技产业贡献力量。我们的使命是培养未来的电子工程师，为人类社会的智能化发展提供创新方案。

1. 电子工程
2. 通信工程
3. 计算机科学
4. 人工智能
5. 物联网
The Department of Finance is one of the first five departments of SUSTech founded in 2011. The department aims to build a strong, domestically and internationally recognized finance discipline. Our department adheres to the SUSTech's motto of “Research, Innovation and Entrepreneurship” in research. We strive to contribute to our research to the national strategic plans and the regional development in the Pearl River Delta and Shenzhen. The research projects undertaken by the department in Chinese financial stability and fintech are all driven by the important issues in today’s economy. Our department is committed to educating students with the most contemporary financial knowledge, critical thinking, entrepreneurship, and global vision so that they are ready to solve practical and challenging problems in China’s finance and economy.

The Department of Finance has 13 full-time academic staff. Among them, one is Changjiang Scholar and one is Shenzhen Leading Talent. Twelve of the academic members hold doctoral degrees from highly reputable overseas universities and most of them have experience in financial industries or financial supervision experience in regulatory institutions.

Our faculty published over 50 papers in 2015. Some of these papers were strongly recommended by “China Finance”. The financial crisis and government bailouts authored by Prof. Jia He was published in the 65th Anniversary of “China Finance”. The logic of Financial Regulation and Innovation in China authored by Prof. Jia He was published as the cover article in “China Finance” 2016 eighteenth. Our department has regular academic seminars, featuring renowned speakers from well-known institutions and financial companies. A well-equipped finance laboratory is available for students to use, which is currently equipped with virtual exchanges, high-frequency databases, financial modeling dynamic simulation systems, a laboratory management platform, a large-scale management system, a multi-screen VAT integrated financial information system, MATLAB, etc. Our facilities are comprised of high performance workstations, projection systems, sound systems, switches, line counters, computers, etc. and our hardware facilities can accommodate up to 40 people for teaching and training.

Our department graduated its first cohort. Some of our students have begun their careers in the financial industry sector, with institutions such as Milsen Capital Management. Some of them are pursuing higher degree in Finance, including PhDs in schools such as The University of Pittsburgh.

Finance系

金融系

金融系以打造“国内一流，国际前沿”的知名学科为愿景，基于对中国金融改革与发展重大问题的分析及思考，聚焦前沿科学、国家发展战略规划及珠三角和深圳市金融服务的研发需求，结合强大的师资队伍，优良的国际交流、教育的学术成果，针对中国金融发展的金融创新、金融风险等方面进行研究和研究，力争为中国金融改革的创新发展及珠三角和深圳市金融服务发展做出贡献。金融系紧跟国际前沿，目标是培养具有国际视野，深入分析和解决中国金融领域的重大问题、引领中国资本市场走向创新的创新型人才。

金融系师资队伍包含专任教师13人，其中包含“长江学者”1人。深圳市地方级领军人才1人，深圳市高层次专业人员青年创新人才4人，具有海外博士学历者12人；具有金融部门及金融监管机构从业经验者9人。
School of Environmental Science and Engineering

环境科学与工程学院

The School is currently comprised of five academic units: Water Science and Technology, Soil Science and Remediation, Atmospheric Environment, Industrial Ecology, and Global Environmental Change and Management. The School is recruiting an outstanding faculty nationally and globally. Current faculty members include one Academician of Chinese Academy of Sciences, five recipients of the “Thousand Talents program”, two recipients of the “National Science Fund for Distinguished Young Scholars” and two “Excellent Young Investigators” awarded by the National Natural Science Foundation of China. The School has established two undergraduate majors in “Environmental Science and Engineering” and “Hydrology and Water Resources Engineering”. The fields of research for the current faculty and graduate students cover a wide range, including water resources, water quality, soil and groundwater remediation, water treatment, desalination, environmental health science, atmospheric chemistry, air pollution control, greenhouse gas emission reduction, solid waste disposal and utilization, earth system modeling, ecosystem assessment, carbon cycle, remote sensing, and global change.

The medium- and long-term objectives of the School are to become:

1. An innovative training ground for top talents in the field of environmental science and engineering in China;
2. A global center of excellence for environmental science and engineering research;
3. A national platform for the original innovation and industrialization of advanced environmental protection technologies;
4. A think-tank that influences the policy makers and educators of the general public toward sustainable socio-economic development of China.

Department of Ocean Science and Engineering

海洋科学与工程系

The Department of Ocean Science and Engineering has been established to build a world leading program of research and education in oceanography. Teaching and research at the department are focused on physical oceanography, biological oceanography and marine microbiology, marine geophysics, and ocean engineering for the next five years. Faculty of the department will actively participate in, or lead the international ocean research projects/programs aiming to rapidly increase the international exposure of the Southern University of Science and Technology.

The Department of Ocean Science and Engineering believes building a world-class team of faculty is a priority, and is rapidly expanding. By the end of 2016 the faculty team will include one CAS academician, two Changjiang Scholars, four recipients of the “Thousand Talents Program”, one recipient of the “Ten Thousand Talents Program”, and two recipients of the “Thousand Young Talents Program”. The chair of the department is Prof. Yaqi Xue (PhD, Princeton U) who is a Changjiang Scholar and recipient of “National Outstanding Young Scientist”. As the current chair of the Interfjord, he is well known internationally in the mid-ocean ridge research community. All faculty members have either studied or worked abroad, and therefore teach in English.

Building upon the platform provided by the Institute of Ocean Engineering of Shenzhen which is funded by the Shenzhen City Government, the Department of Ocean Science and Engineering aims to become an oceanographic institution equipped with a research vessel (RV Shenzhen), a dock, and a multidisciplinary laboratory of ocean engineering, which will significantly close its gap from the world-top institutions of oceanography such as the Woods Hole Oceanographic Institution, USA, the Scripps Institution of Oceanography, USA, and the National Oceanography Centre, Southampton, UK.

海洋科学与工程系始终将海外人才引进和具有国际视野的高水平人才队伍建设放在首位，到2016年底，师资队伍包括中国科学院院士1人，长江学者2人，“千人计划”专家4人，“国家杰出青年”3人，“万人计划”1人，“青年千人计划”2人，高学历及博士教授为美国罗格斯大学4人，2005年回国的“长江学者”特聘教授（“杰青”2002）1人，国际海洋与海洋协会现任主席1人，全体教师具有海外留学工作经历，担任全英文教学。

为了加强创新平台的建设，海洋科学与工程系在引进和培养海洋科学家和海洋工程师的同时，积极引进高水平的海洋学士后和博士后研究人员，与世界排名前二的美国圣海伦斯海洋研究所、美国麻省理工学院海洋研究所、英国的诺福克大学等海洋研究中保持联系。

环境科学与工程学院以建设国内一流的环境科学与工程学科基地为目标，致力于培养具有创新能力、国际化视野和现代化工作的复合型环境科学与工程领域的高级人才。学院的学科有环境科学、环境工程、环境经济与管理等五个方向。这些方向是当前环境科学与工程领域的重要研究热点。环境科学与工程学科人才是本校吸引高水平环境学人才的重点。学院现有博士生导师2人，博士生导师1人，“千人计划”专家5人，国家基金委“杰出”2人，“优先”2人。学院面向全球招募具有学科前沿的学科人才，推动学院发展。
The Department of Mechanical and Energy Engineering at SJTech consists of three academic directions in undergraduate and graduate education. The three directions are Robotics and Automation, Innovative Design and Advanced Manufacturing, and Energy Engineering. In March 2016, the Department started recruiting postgraduate students, and now the Department of Mechanical and Energy Engineering has 9 postgraduate students and 2 PhD students.
Department of Computer Science and Engineering

计算机科学与工程系

The Department of Computer Science and Engineering was established in August 2016, and is one of the youngest departments in SUSTech. We offer BSc, MSc, and PhD degree education in Computer Science and Engineering.

Current faculty members in the Department of Computer Science and Engineering include 4 chair professors (2 national thousand talent program scholars, 2 IEEE fellows and 1 IET fellow), 1 professor, 2 associate professors and 3 assistant professors. All faculty members have doctoral degrees and have had many years teaching and research experiences in leading overseas universities before joining the Department. The Department is supported by six teaching fellows, and seven teaching and technical support staff members (such as laboratory engineers and teaching assistants), and six professional secretaries. The Department is expected to grow aggressively to 45 tenure-track professors in the next three years and sets itself an ambitious goal of becoming an internationally known and research-intensive department.

The four research directions in the Department include Artificial Intelligence, Data Science, Computer Systems and Networks, and Theoretical Computer Science. The research topics cover machine learning, intelligent computation, cognitive robotics, big data analytics and cloud computing, internet of things, future intelligent wireless network, smart cognitive sensing, mobile and wearable wireless sensor/actuator systems, parallel computation, network security, cryptography, intelligent pervasive computing, etc.

Department of Biomedical Engineering

生物医学工程系

The Department of Biomedical Engineering was established in June 2016, when Prof. Xiaodong Guo from Columbia University, the Founding Chair, was appointed as Senior Advisor. The Department has 20 full time and part-time faculty members (including one “Thousand Talents Program” expert, three “Young Talents Program” experts, four teaching laboratories, and thirty undergraduate students). Research areas at the Department include biomechanics, cell and tissue engineering, medical imaging and biomedical signal analysis, neural engineering, auditory physiology and information processing.

The Department of Biomedical Engineering receives strong support from the Department of Biomedical Engineering at Columbia University and has formed its own undergraduate curricula based on the BME curricula of Columbia University. The Department shall cultivate students at bachelor, master and PhD levels together with Department of Biomedical Engineering at Columbia University.

The Department’s core culture is “Adventurous, Arduous, Amiable”. We sincerely welcome more global talents to join us to create an interdisciplinary innovative research platform, and make the platform a world-class biomedical engineering center within ten years.
SUSTech
南方科技大学

A PUBLIC RESEARCH UNIVERSITY LOCATED IN SHENZHEN, CHINA
南方科技大学位于中国深圳，是一所创新型公办研究型大学

SHENZHEN
深圳

FROM A FISHING VILLAGE TO A METROPOLIS
从渔村走向世界

<table>
<thead>
<tr>
<th>Year</th>
<th>Area</th>
<th>Population</th>
<th>GDP per capita</th>
<th>City status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1980</td>
<td>327.5 square kilometers 327.5平方公里</td>
<td>20,000万</td>
<td>/</td>
<td>Fishing villages 捕村</td>
</tr>
<tr>
<td>2015</td>
<td>1,991.64 square kilometers 1,991.64平方公里</td>
<td>15,000,000 150万</td>
<td>Around RMB 150,000 (USD 22,400) 约150万元，折合美元约22.4万元</td>
<td>No. 1 Chinese city in general competitiveness 中国城市综合竞争力排名第一</td>
</tr>
</tbody>
</table>
Shenzhen is an experimental city of China’s open-door policy and modernization strategy. As an important high-tech R&D and manufacturing hub in Southern China, Shenzhen is one of the most economically invigorating cities in China, and the fastest growing city in the world. It has the third largest container port in the world, and the fourth largest harbor in Mainland China. It is one of “China’s Excellent Tourism Cities”, and was nominated for “Charming China 2014 - The Most Attractive Ten Cities for International Visitors”. Shenzhen is a pioneer city where dreams come true.

Shenzhen is a city that resembles the Silicon Valley. “Shenzhen is the city that most resembles the Silicon Valley.”

--- Business Week

More than 30,000 technology companies in Shenzhen

3 companies with over 100 billion RMB of sales

17 companies with over 10 billion RMB of sales

157 companies with over 1 billion RMB of sales

1,203 companies with over 0.1 billion RMB of sales

More than 4,700 high-tech companies at the national level

 Such as Huawei, BYD, BGI, EVOC, DJI

如华为, 比亚迪, 华大基因, 研祥, 大疆创新

--- 美国《商业周刊》
SHENZHEN, AN EMERGING GLOBAL CITY

Frontier areas of innovation include 4G technology, metamaterials, gene sequencing, 3D display, and alternative energy vehicles.

11,600 PCT patent applications; ranked No. 1 among cities in China

1,216,300 professionals in various fields

11,600 PCT专利申请数; 全国第一

1,216,300 各类专业技术人员

Foreign direct investment (FDI) has reached $5.805 billion

The total imports and exports have reached $487.7 billion

The port throughput has been ranked the 3rd in the world

Shenzhen Global City Indicative Scheme

Friendship City Culture and Arts Week

Shenzhen Foundation for International Exchange and Cooperation

Friendship City Entrepreneur Club

To be the bridgehead of the Maritime Silk Road

To provide top-level public services

More International Friendship Cities

Higher education: improved quality and enhanced internationalization

More business and industry ties

City environment: Open, diversified and internationalized

More inter-governmental collaborations

More opportunities