

Faculty Positions at all Ranks in the National Graduate  
College for Engineers, SUSTech  
Southern University of Science and Technology

Direct Link: <https://www.AcademicKeys.com/r?job=251607>

Downloaded On: Apr. 4, 2025 4:14pm

Posted Jan. 14, 2025, set to expire May 18, 2025

<b>Job Title</b>	Faculty Positions at all Ranks in the National Graduate College for Engineers, SUSTech
<b>Department</b>	The National Graduate College for Engineers
<b>Institution</b>	Southern University of Science and Technology Shenzhen, Guangdong, China
<b>Date Posted</b>	Jan. 14, 2025
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available immediately
<b>Job Categories</b>	Professional Staff Research Scientist/Associate Research Professor Associate Professor Professor
<b>Academic Field(s)</b>	Optics & Optical Engineering Mechanical Engineering Engineering Physics Electrical and/or Electronics Computer Engineering
<b>Apply By Email</b>	<a href="mailto:hr-zgxy@sustech.edu.cn">hr-zgxy@sustech.edu.cn</a>

**Job Description**

The National Graduate College for Engineers in Southern University of Science and Technology was officially established in 2023. In accordance with the national requirements, the college identifies four research areas or directions on semiconductor technology:

Faculty Positions at all Ranks in the National Graduate  
College for Engineers, SUSTech  
Southern University of Science and Technology

Direct Link: <https://www.AcademicKeys.com/r?job=251607>

Downloaded On: Apr. 4, 2025 4:14pm

Posted Jan. 14, 2025, set to expire May 18, 2025

Semiconductor physics and chemistry

Semiconducting materials and materials for semiconductor processing

Processing and equipment

Devices and integration

The college aims to establish an international competitive innovation team, actively promote college-industry cooperation, and cultivate outstanding engineering talents in semiconductors.

**Recruiting positions:** Positions are available at all levels (professor/associate professor/assistant professor).

**Research directions include but not limited to:**

Semiconductor physics and chemistry: semiconductor physics; semiconductor materials and devices; chemical engineering for the semiconductor industry; fundamental physical and chemical mechanisms in semiconductor devices and processes; cutting-edge analysis testing and measurement techniques; and more.

Semiconducting materials and materials for semiconductor processing: materials for the manufacturing of silicon-based CMOS integrated circuits; defect analysis of semiconductor materials; semiconducting thin film growth; heterogeneous integrating of semiconductor materials; and more.

Processes and equipment: next-generation lithography techniques and equipment; ordered nanomanufacturing; next generation integrated circuit manufacturing process and equipment development; equipment development for etching, thin-film deposition, thermal processing, implantation, metrology, polishing; and more.

Devices and integration: more-than Moore CMOS devices; emerging (disruptive) devices; design and technology co-optimization; 3D integrated circuits; advanced packaging technology; and more.

**Salary and benefits:**

Appointed as a professor of the following tracks: tenured or tenure-track (independent PI), research track, or professor of practice track at Southern University of Science and Technology. The university provides globally competitive salary and benefits, and attractive working and research conditions.

Faculty Positions at all Ranks in the National Graduate  
College for Engineers, SUSTech  
Southern University of Science and Technology

Direct Link: <https://www.AcademicKeys.com/r?job=251607>

Downloaded On: Apr. 4, 2025 4:14pm

Posted Jan. 14, 2025, set to expire May 18, 2025

Qualified as a supervisor for Ph.D. or Master students, with preferential support for recruiting Ph.D. and Master students in the first two years.

Assistance in applying for national, provincial, municipal, and university talent programs.

Assistance in applying for start-up funding and matching funds.

Assistance with school enrollment arrangements for children.

Specific issues can be discussed and arranged based on the needs of individual faculty members.

**Application materials:**

Personal CV;

Research statement (up to three pages): summarizing the applicant's current research achievements, alignment of research experience with one or several of the college's research directions, and future research plans;

Teaching statement (one page) outlining the applicant's teaching philosophy, practical strategies, and future plans. Teaching statement is not required for research track positions.

Name and contact information of at least six references (including their affiliation, academic/technological position, phone number, and email address);

Other materials that can demonstrate the applicant's qualifications and achievements.

Applicants must send their application materials (in PDF format) to the following email address: hr-zgxy@sustech.edu.cn. The subject line of the email should be "Position Title (Faculty Rank) + Applicant's Name".

**Job qualifications:**

A PhD degree in a relevant field or discipline (Electronic Engineering, Microelectronics, Precision Engineering, Optical Engineering, Mechanical Engineering, Industrial Engineering, Materials Science and Engineering, Physics, Applied Physics, Chemical Engineering, Chemistry, Computer Engineering, and others) from a globally recognized university. Priority will be given to those with outstanding industry contributions or practical engineering experiences. For applicants from industry, the educational background and academic records can be flexible upon demonstration of major industrial

Faculty Positions at all Ranks in the National Graduate  
College for Engineers, SUSTech  
Southern University of Science and Technology

Direct Link: <https://www.AcademicKeys.com/r?job=251607>

Downloaded On: Apr. 4, 2025 4:14pm

Posted Jan. 14, 2025, set to expire May 18, 2025

expertise and contributions.

Demonstrated R&D capability in one of the four focus areas of the college.

Capable of independently supervising graduate students.

Proven ability to undertake tasks in research, teaching and industry collaboration.

Alignment with the educational philosophy of Southern University of Science and Technology, with a demonstrated innovative mindset, team spirit, and high academic ethics.

### **Contact Information**

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

#### **Contact**

The National Graduate College for Engineers  
Southern University of Science and Technology  
Shenzhen, Guangdong  
China

**Contact E-mail**      [hr-zgxy@sustech.edu.cn](mailto:hr-zgxy@sustech.edu.cn)