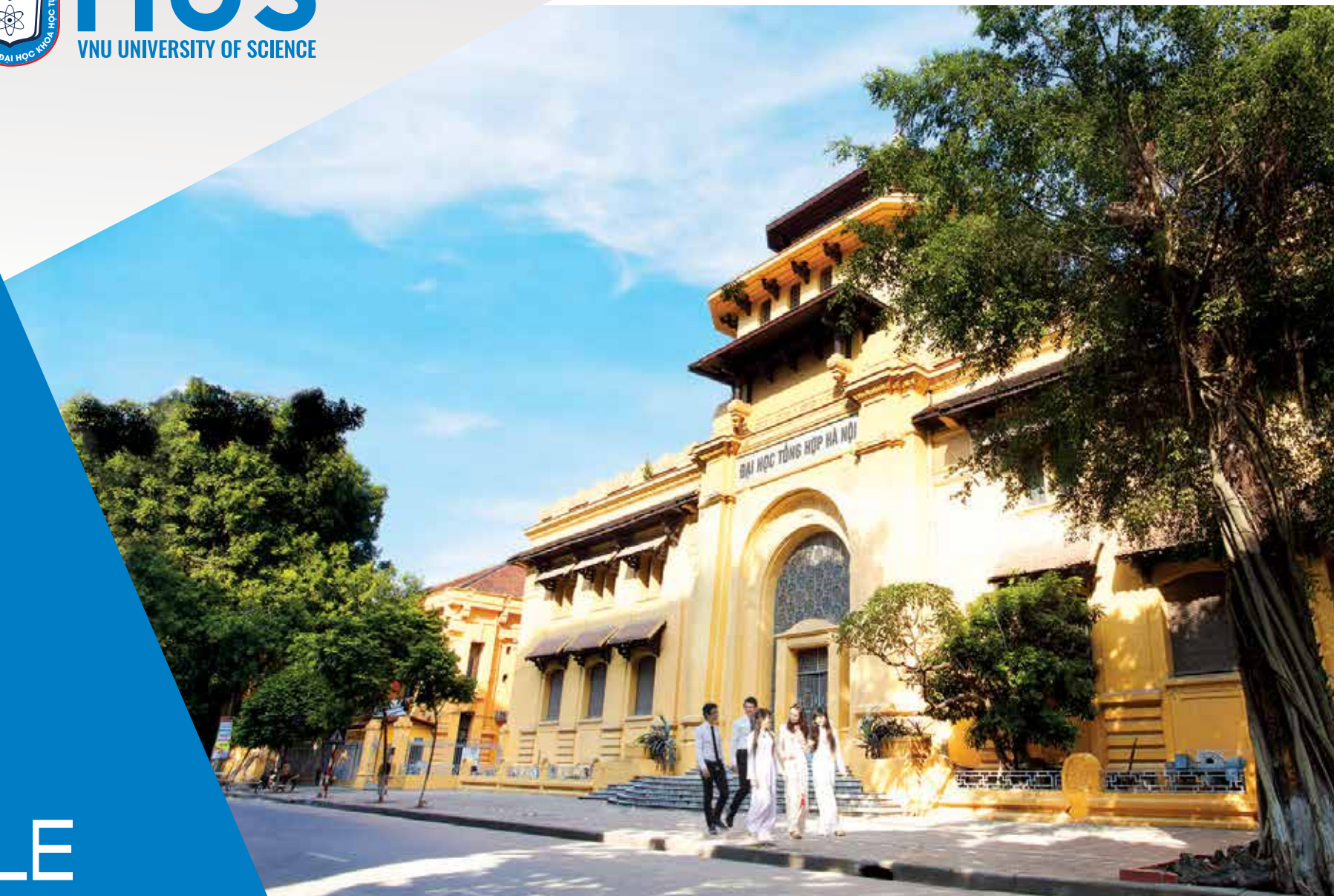




VNU UNIVERSITY OF SCIENCE

PROFILE

www.hus.vnu.edu.vn





VISION

To become a leading research and innovation university in Asia, with key disciplines ranked among the top 500 universities in the world by 2035 and some fields reaching the top 300 by 2045.



MISSION

To train high-quality human resources and identify, nurture talent; to lead in research, innovation, and knowledge transfer in natural sciences and technology, making a significant contribution to the development and defense of Vietnam.



HUS
VNU UNIVERSITY OF SCIENCE



1995

Hanoi University of Science,
Vietnam National University, Hanoi
Current name: **VNU University of Science**

1956

University of Hanoi

1906

University of Indochina



HISTORY

VNU-HUS, one of the leading universities in fundamental and applied sciences in Vietnam

STAFF

470⁺ Academic staff
(17 Full Prof., 134 Assoc. Prof.)

50⁺ High School Teachers

160⁺ Administrative and Support Staff

STUDENTS

7.000⁺ students in **28** majors

600⁺ graduate students in **40** fields of study

1800⁺ gifted high school students
in **5** specialization subjects

RANKING: QS WUR by subject 2024

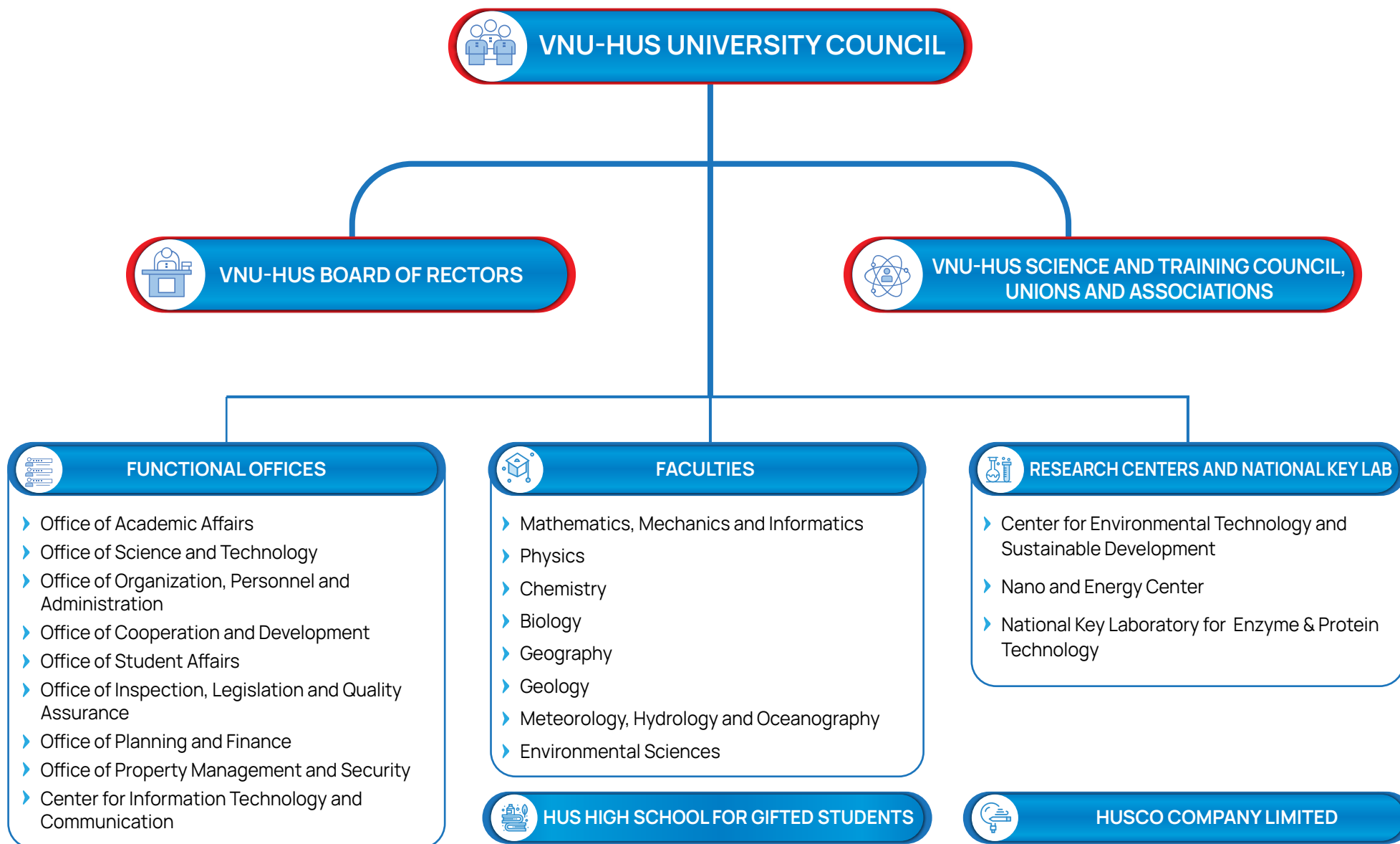
Computer Science & Information Systems: 501-550

Petroleum Engineering: 101-150

Mathematics: 351-400

Physics & Astronomy: 551-600 (2023)

Life Sciences: 801-1000 (THE WUR by Subjects 2024)



» UNDERGRADUATE PROGRAMS



STANDARD PROGRAMS

- ♦ Mathematics
- ♦ Mathematics and Computer Science
- ♦ Computer and Information Science
- ♦ Data Science
- ♦ Physics
- ♦ Materials Science
- ♦ Nuclear Technology and Engineering
- ♦ Electronic Engineering and Informatics
- ♦ Chemistry
- ♦ Chemical Engineering Technology
- ♦ Pharmaceutical Chemistry
- ♦ Biology
- ♦ Biotechnology
- ♦ Biopharmaceutical Science
- ♦ Physical Geography
- ♦ Geospatial Information Science
- ♦ Land Management
- ♦ Urban Development Management and Real Estate
- ♦ Geology
- ♦ Management of Natural Resources and Environment
- ♦ Technology for Natural Resources and Environment Monitoring
- ♦ Meteorology and Climatology
- ♦ Oceanography
- ♦ Water Resources and Environment
- ♦ Environmental Engineering
- ♦ Environmental Sciences
- ♦ Food Science and Technology
- ♦ Occupational Safety, Health and Environment

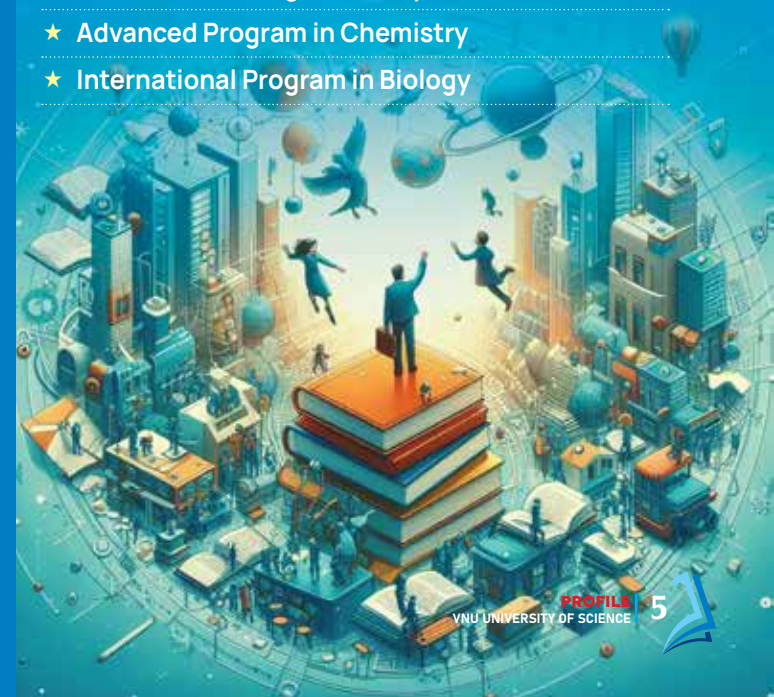
HONOR PROGRAMS

(Advanced Programs for the best students)

- ★ Honor Program in Mathematics
- ★ Honor Program in Physics
- ★ Honor Program in Chemistry
- ★ Honor Program in Biology
- ★ Honor Program in Physical Geography
- ★ Honor Program in Geology
- ★ Honor Program in Meteorology and Climatology
- ★ Honor Program in Oceanography
- ★ Honor Program in Environmental Sciences

INTERNATIONAL STANDARD PROGRAMS

- ★ International Program in Mathematics
- ★ International Program in Physics
- ★ Advanced Program in Chemistry
- ★ International Program in Biology



GRADUATE PROGRAMS

MASTER'S PROGRAMS

Faculty of Mathematics, Mechanics and Informatics

Pure Mathematics
Elementary Mathematics Methods
Applied Mathematics
Data Science
Mechanics
Mathematical Foundations of Computer Sciene

Faculty of Physics

Physics
HUS-NYCU International Joint Program on Semiconductor Technology

Faculty of Chemistry

Chemistry
Chemical Engineering
Analytical Chemistry

Faculty of Biology

Biology
Biotechnology
Experimental Biology
Genetics
Microbiology

Faculty of Geography

Geography
Cartography, Remote Sensing and GIS
Management of Resources and Environmental Land Administration (*2)

Faculty of Geology

Geology
Environmental Geology

Faculty of Meteorology, Hydrology and Oceanography

Hydrology
Meteorology
Oceanography

Faculty of Environmental Sciences

Environmental Sciences
Environmental Engineering
Environmental and Sustainable Development

PHD PROGRAMS

Cover most aspects of natural sciences, including

Mathematics	Statistics
Mechanics	Physics
Chemistry	Biology
Geography	Geology
Hydrology	Meteorology
Oceanography	Environmental Sciences



»» HUS HIGH SCHOOL FOR GIFTED STUDENTS Since 1965



OUTSTANDING ACHIEVEMENT IN INTERNATIONAL OLYMPIAD



74

Gold medals



85

Silver medals



73

Bronze medals

NOTABLE ALUMNI



Prof. NGO BAO CHAU
Mathematics,
University of Chicago,
Fields Medal (2010)



Prof. DAM THANH SON
Physics,
University of Chicago



RESEARCH

Annual Publications

~600 ISI/Scopus papers

10 patents/utility solutions

VNU Key Laboratories

Multi-scale simulations of Complex Systems

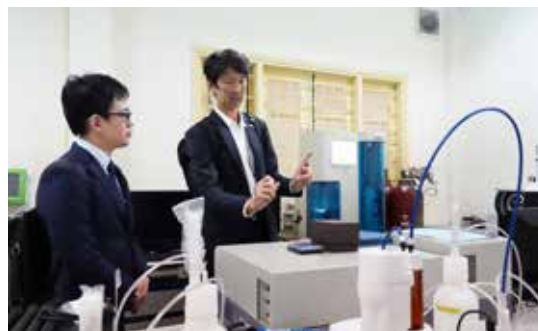
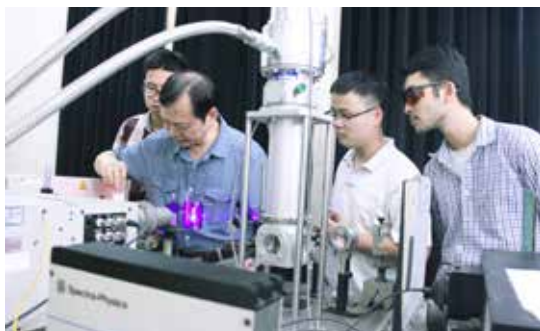
Bio-Energy Development

Advanced Materials for Green Growth

Anal. Tech. for Environ. Quality and Food Safety Control

Geo-environment and Climate Change Response

Green Environmental Technology and Waste Recycling





EXCELLENT RESEARCH GROUPS (AND LEADERS)

Algebraic Topology (Prof. Nguyen Huu Viet Hung)

Waves in Elastic Media (Prof. Pham Chi Vinh)

Qualitative Theory of Dynamical Systems and Applications (Prof. Nguyen Huu Du)

Quantum Field Theory (Prof. Nguyen Quang Bau).

Artificial Nanomaterials for Applications in Green Energy and Environment (Assoc. Prof. Pham Duc Thang)

Analytical Technology for Environmental Quality and Food Safety Control (Prof. Pham Hung Viet)

Advanced Materials for Green Growth (Prof. Nguyen Van Noi)

Chemical Technology of Materials and Clean Energy (Prof. Le Thanh Son)

Coordination and Bioinorganic Chemistry (Prof. Nguyen Hung Huy)

Monitoring and Risk Assessment of Organic Toxins in the Environment (Assoc. Prof. Tu Binh Minh)

Functionalized Nanomaterials for Highly Sensitive Analytical Methods (Assoc. Prof. Pham Thi Ngoc Mai)

Biological-Physical-Chemical Technology for Green Growth (Assoc. Prof. Pham The Hai)

Biotechnology of Filamentous Mushrooms and Medicinal Mushrooms (Assoc. Prof. Tran Van Tuan)

Regional Climate Modeling and Climate Change (Prof. Phan Van Tan)

Green Environmental Technology and Waste Recycling (Prof. Nguyen Manh Khai)

Environmental Genetic Analysis and Conservation (Assoc. Prof. Le Duc Minh)

Soil Environmental Treatment and Restoration Technology (Prof. Nguyen Ngoc Minh)



Cooperation With Universities and Institutions

Education

Double/Joint Undergrad/graduate Programs
 Staff Mobility and Onsite/online Lectures
 Student Exchange & Credit Recognition
 Short Training Courses, Summer Programs
 Field Trip for Students
 Education and Social Experience Programs
 Other forms of collaboration in education

Research

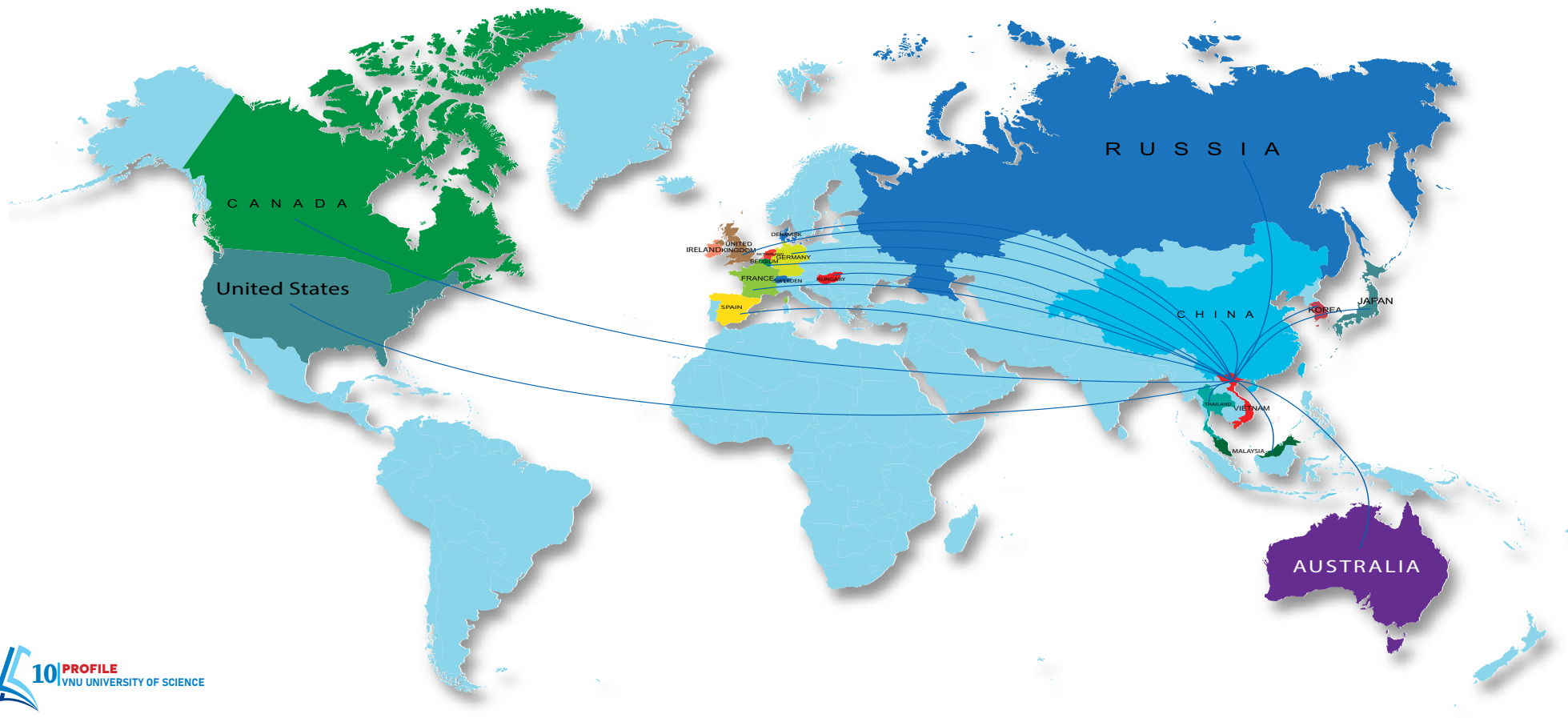
Collaboration in Research
 Joint Projects
 Joint Field Trips
 International Conferences and Workshops

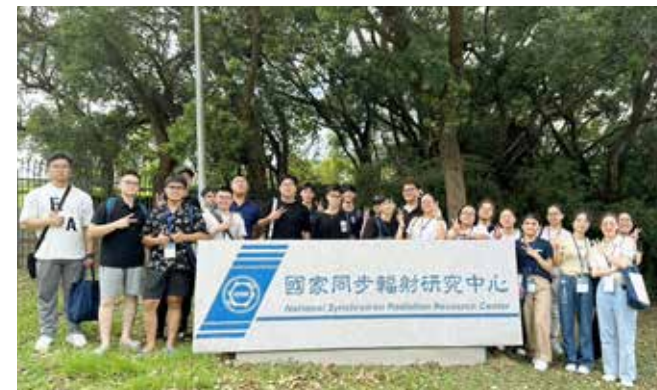
Other activity

Honor Doctorate

Cooperation With Corporations and Industrial Partners

Internships and Short Training Programs
 Recruitment and Scholarship Awarding
 Joint Research and Technology Transfer
 Conferences and Workshops





OPPORTUNITIES FOR INTERNATIONAL STUDENTS

▶ Undergraduate Programs

International students who wish to pursue a degree at VNU-HUS can choose:

- ♦ International standard program in Mathematics
- ♦ International standard program in Physics
- ♦ Advanced program in Chemistry
- ♦ International standard program in Biology

▶ Graduate Program

VNU-HUS offers Master's Program in Semiconductor Technology to international students (a joint program with degrees conferred by National Yang Ming Chiao Tung University, Taiwan)

▶ Student exchange and visiting programs

Discover a variety of courses taught in English. Enjoy the convenience of waived tuition fees for exchange students

▶ Research Exchange Program

Participate in our research exchange program and contribute to innovative solutions for local and global issues alongside our team of staff and students.

▶ Science Camp

Immerse yourself in undergraduate education at VNU-HUS, connect with peers from Hanoi and our global partner institutions, explore Hanoi's vibrant culture, savor its delectable cuisine, and discover the wonders of Vietnam's many UNESCO World Heritage sites

▶ Intake for undergraduate programs: August

▶ Intake for graduate programs: August

▶ Tuition Fee for Undergraduate Programs: from US\$ 1400 per year.



STUDENT LIFE



LIFE IN HANOI



Hanoi, the capital city of Vietnam, is a vibrant blend of rich history and modern development. Known for its centuries-old architecture and deep cultural roots, the city offers a unique mix of ancient landmarks, such as the Temple of Literature and Hoan Kiem Lake, alongside bustling markets and modern skyscrapers. Hanoi is famous for its street food, like pho and bun cha, and its lively Old Quarter, where traditional and contemporary life intersect. As a center for education, politics, and the arts, Hanoi plays a crucial role in Vietnam's cultural and economic growth.

Accommodation: VNU dormitory is available for international students

Living costs: from around US\$ 250-350 per month



CAMPUSES





VNU UNIVERSITY OF SCIENCE



📍 334 Nguyen Trai str. - Thanh Xuan Dist. - Ha Noi

☎ (+84) 243. 858 1419 / 35587677

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🌐 hus.vnu.edu.vn

📘 facebook.com/HusFanpage