

Campus 1

268 Ly Thuong Kiet Street, Dist. 10, Ho Chi Minh City, Vietnam



Campus 2

Linh Trung ward, Thu Duc Dist., Ho Chi Minh City, Vietnam



Ho Chi Minh City University of Technology

Map of Campus 1



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Rector's Message



Prof. VU Dinh Thanh

In 1957, the Phu Tho National Technical Center was established by a combination of College of Civil Engineering, College of Electrical Engineering, College of Industrial Engineering and Vietnam National College of Maritime Technology. This is recorded as an important milestone of the history of formation, existence and ongoing development of the Ho Chi Minh City University of Technology over the last half century.

Along with the strategic investment in specialized Faculties, the University has constructed National Key Laboratories, Centers for Research and Technology Transfer and placed its main priority over personnel development making it ready for the most remarkable and the fastest progress of a research-based university. The good reputation of high quality training of HCMUT has been

affirmed through accreditation and evaluation activities recognized by reliable higher education accreditation organizations in region and all over the world.

With a professional and creative environment being actively shaped, Ho Chi Minh City University of Technology has been in continuously significant progress of development, asserting its role as a leading university of training and scientific research in Southern Vietnam as well as in the whole country.

Throughout 60 years of building and development, Ho Chi Minh City University of Technology has become one of the leading research-oriented universities nationwide. The great achievement is a result of endless efforts and contribution made by different generations of staff and students of the university with their passion and enthusiasm.

"I would like to express my sincere thanks to the previous and present generations and the following talents who together with us have gone through this long course of history. They always together stand side by side making remarkable contribution to a strong Ho Chi Minh City University of Technology with further more important milestones."

BACH 1957 KHOA 2017



The Strategic Objectives from 2016 to 2020

Vision

To become an innovative, pioneering and international integrated university.

Mission

HCMUT is an autonomous university with the following missions:

- To educate the intellectual human resources with leadership competence;
- To create new knowledge through scientific research and technological transfer;
- To assume and perform social responsibilities and community services.

Strategic Goals

The specific strategic goals are set as follows:

- Efficiency management and resource development to ensure the transformation into an autonomous university;
- Development of excellent staff;
- Educational excellence;
- Research and Technology transfer excellence;
- Internationalization, cooperation, community outreach and strong sense of social responsibility.

System of core values

HCMUT promotes the following core values:

- The devotion and core competence of our management, academic staff, and students;
- Creativity and Innovation in education and research;
- Dynamic learning environment and international integration;
- Strong sense of social responsibility and community services;
- Strong linkages between the university, community, and enterprises.

Educational philosophy

"Liberal Art Education; Pioneering in quality, creativity and integration"

One of the leading universities in Vietnam

60 YEARS OF SUSTAINABLE DEVELOPMENT,
60 YEARS OF ENDLESS EFFORTS,
EVERY STUDENT AND EVERY STAFF,
EVERY GENERATION, ONE PRIDE!



1,500 staff
27,500 students



22 internationally accredited programs

Strong international network



Strong collaboration with industry



6 Key Labs and 1 Technology Business Incubator



8 Research and Technology Transfer Centers



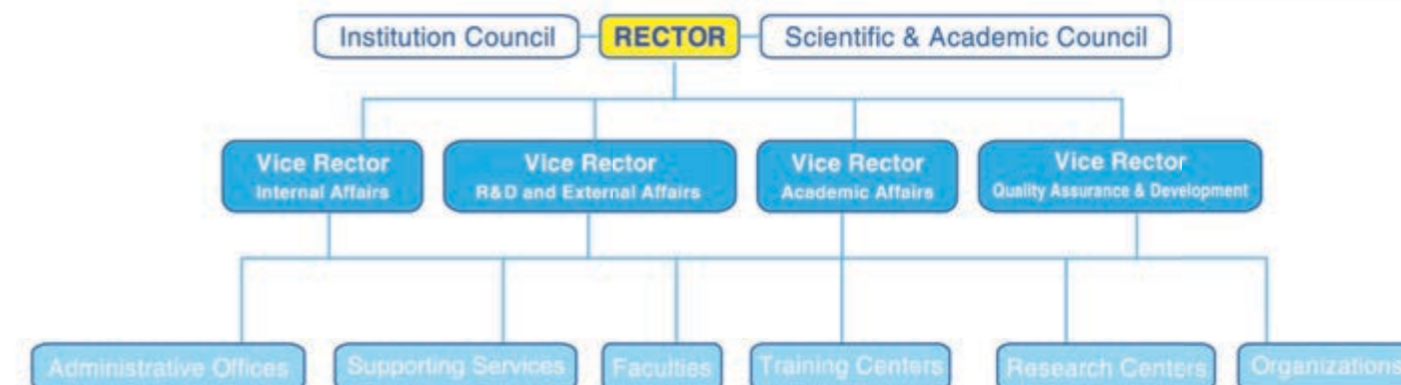
About Ho Chi Minh City University of Technology



History and Development

- 1957** Phu Tho National Technical Center was established with 4 colleges: Civil Engineering, Electrical Engineering, Industrial Engineering and Vietnam National Maritime Engineering.
- 1972** The center was renamed as National Technical Institute, Faculty of Technology and Faculty of Science was founded.
- 1973** The institute was renamed Technical University.
- 1975** The country re-united at the end of the war.
- 1976** The university was reorganized as University of Technology with 5 specialized faculties: Civil Engineering, Electrical Engineering, Water Resource Engineering, Mechanical Engineering and Chemical Engineering.
- 1978** Faculty of Geology was founded.
- 1990** Post graduate engineering programs were first introduced.
- 1991** The two Faculties of Water Resources Engineering and Civil Engineering were merged into Faculty of Civil Engineering.
- 1992** School of Industrial Management was founded.
- 1993** Credit-based training system has been applied. Faculty of Computer Science and Engineering was established.
- 1996** Ho Chi Minh City University of Technology became a member of Vietnam National University – Ho Chi Minh City.
- 1999** Faculty of Environment was founded.
- 2000** Faculty of Transportation Engineering was founded.
- 2001** Faculty of Materials Technology was founded.
- 2003** Faculty of Applied Science was founded.
- 2014** Ho Chi Minh City University of Technology - the first university in Vietnam successfully achieved ABET Accreditation (U.S Accreditation Board for Engineering and Technology) for two programs of Computer Science & Computer Engineering.
- 2017** Ho Chi Minh City University of Technology achieved HCERES accreditation at institutional level recognized by the *High Council for Evaluation of Research and Higher Education*, a member of the European Association for Quality Assurance.

Human Resources



Administrative Offices

- Academic Affairs
- External Relations
- Equipment & Facilities Management
- International Study Programs
- Management of Computer Network
- Postgraduate Study
- Personnel & Administration Affairs
- Planning & Financial Affairs
- Quality Assurance
- R&D and Internal Projects
- Student's Activities

Training Centers

- Business Research & Training
- Computer Center
- Foreign Languages
- Industrial Maintenance
- Pre- engineering Education Center

Organizations

- Communist Youth Association
- University Labour Union
- Student Association

Supporting Services

- Board of Education and Training Inspection
- Construction Project & Investment Management
- Dormitories
- Library & Publishing
- Student Services & Career Center

Research and Technology Transfer Centers

- Construction Consulting Company
- Information Technology & Geographical Informatics System
- Mechanical Technology
- Polymer
- Research & Application center for Construction Technology
- Refinery & Petrochemical Technology
- Technology & Industrial Equipment
- Technology Business Incubator

Faculties

- Applied Science
- Civil Engineering
- Chemical Engineering
- Computer Science & Engineering
- Electrical-Electronics Engineering
- Environment & Natural Resources
- Geology & Petroleum
- Industrial Management
- Materials Technology
- Mechanical Engineering
- Transportation Engineering

Key Labs

- Asian Center for Water Research
- Biofuel & Biomass Research
- Key Lab For Materials Technology
- Key Lab For Internal Combustion Engine
- National Key Lab for Polymer & Composites Materials
- National Key Lab for Digital Control & System Engineering



Academic Faculties

Tradition of excellence in Engineering

Applied Science

Applied Mathematics
Applied Physics
Biomedical Engineering
Engineering Mechanics

Civil Engineering

Architecture
Bridge and Highway Engineering
Construction Engineering & Management
Construction Materials
Engineering Drawing
Fluid Mechanics
Geomatics Engineering
Geotechnical Engineering
Port and Coastal Engineering
Structural Design
Structural Mechanics
Water Resources Engineering

Electrical – Electronics Engineering

Automatic Control Engineering
Basic Electrical & Electronics Engineering
Electronics Engineering
Power Delivery Engineering
Power Equipment & Machines Engineering
Power Systems Engineering
Telecommunications Engineering

Geology and Petroleum

Drilling and Production Engineering
Geo Environment
Geotechnics
Petroleum Geology

Material Technology

Metallic Materials
Materials Science
Polymer Materials
Silicate Materials

Chemical Engineering

Biotechnology
Food Technology
Inorganic Chemical Engineering
Organic Chemical Engineering
Petroleum Processing Engineering
Physico-Chemical Engineering
Process and Equipment

Computer Science and Engineering

Computer Engineering
Computer Science
Information Systems
Software Engineering
Systems and Networking

Environmental and Natural Resources

Environmental Engineering
Environmental and Natural Resources Information System
Environmental Health and Safety
Environmental Management
Water Science and Technology

Industrial Management

Finance
Management Information System
Marketing and Management
Production and Operation Management

Mechanical Engineering

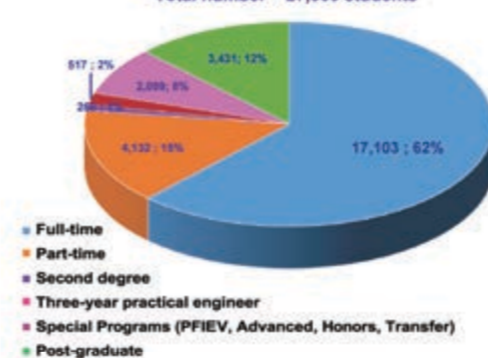
Construction Machinery & Handling Equipment
Heat & Refrigeration Engineering
Industrial Systems Engineering
Machine Design
Mechatronics
Manufacturing Engineering
Material Processing Technology
Textile & Garment Engineering

Transportation Engineering

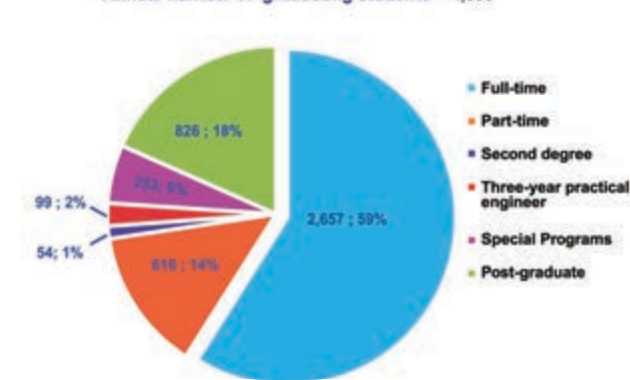
Aerospace Engineering
Automotive Engineering
Naval Architecture & Marine Engineering

Student Statistics

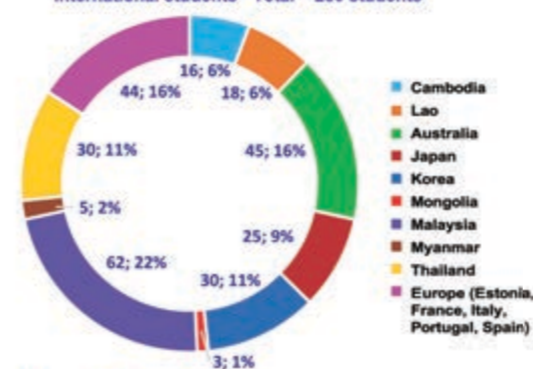
Statistics of undergraduate and post-graduate students - Total number ~ 27,500 students



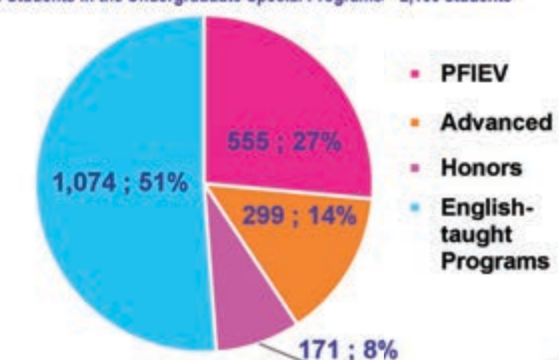
Annual number of graduating students ~ 4,500



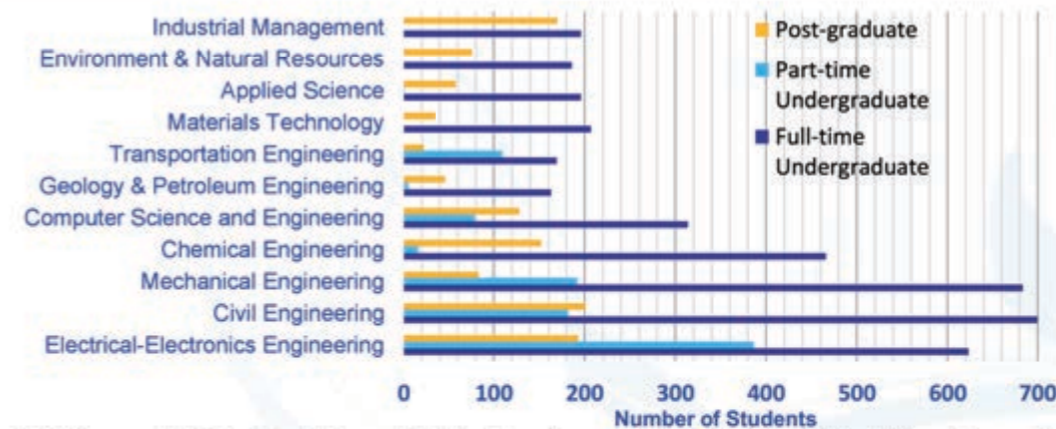
International students - Total ~ 280 students



Number of Students in the Undergraduate Special Programs ~ 2,100 students



Annual enrollment



Full time: 4,500 - Part-time: 1,000 - Post-graduate: 1,200 - Total Enrollement: 6,700

(Statistics as of academic year 2017 - 2018)



International Collaborative Training Programs

Undergraduate Programs

Partner	Country	Major	Model
French – Vietnamese Training Program of Excellent Engineers (PFIEV)			
Ecole Nationale Supérieure de Mécanique et d'aérotechnique (ENSMA)	France	Aerospace Engineering	5 + 0
École Nationale Supérieure des Télécommunications de Bretagne	France	Telecommunications	5 + 0
Institut National Polytechnique de Toulouse	France	Energy Systems	5 + 0
Institut National Polytechnique de Grenoble	France	Mechatronics	5 + 0
École Central de Paris	France	Advanced Materials	5 + 0
Institut National des Sciences Appliquées de Lyon	France	Polymers and Composites	5 + 0
Institut National des Sciences Appliquées de Lyon and Ecole des Ponts Paris Tech	France	Civil Constructions and Energies	5 + 0
Advanced Engineering Program			
University of Illinois at Urbana - Champaign	The USA	Electrical - Electronic Engineering	4 + 0
Transfer Programs			
Griffith University	Australia	Civil Engineering	2 + 2
La Trobe University	Australia	Computer Science Computer Engineering	2 + 2
Macquarie University	Australia	Business Administration Electrical and Electronic Engineering	2 + 2
University of Adelaide	Australia	Petroleum Engineering	2 + 2
University of Queensland	Australia	Computer Science Computer Engineering Electrical and Electronic Engineering	2 + 2
University of Technology, Sydney	Australia	Mechanical Engineering Mechatronics	2 + 2
Kanazawa University	Japan	Civil Engineering	2+2
Nagaoka University of Technology	Japan	Electrical and Electronic Engineering	2.5 + 2
Catholic University of America, Rutgers University, University of Illinois at Urbana Champaign	The USA	Electrical and Electronic Engineering	2 + 2
University of Illinois Springfield	The USA	Business Administration	2 + 2
Massachusetts Boston	The USA	Pre-University	

Graduate Programs

Partner	Country	Major	Degree	Model
University of California, Berkeley	The USA	Molecular and Nano Architecture	Doctoral	3+0
Griffith University	Australia	Engineering	Doctoral	2+2
Maastricht School of Management	Holland	Business Administration Strategy Management	Master	2 + 0
University of Applied Science and Arts Northwestern Switzerland	Switzerland	Business Administration - International Management Consulting	Master	2 + 0

15 Undergraduate Programs Taught In English

- ☞ Automotive Engineering and Technology
- ☞ Chemical Engineering
- ☞ Computer Engineering
- ☞ Computer Science
- ☞ Civil Engineering
- ☞ Construction Materials Technology
- ☞ Transportation Construction Engineering
- ☞ Electrical - Electronic Engineering
- ☞ Environmental Management and Technology
- ☞ Environment Engineering
- ☞ Food Technology
- ☞ Industrial Management - Business Administration
- ☞ Mechatronic Engineering
- ☞ Mechanical Engineering
- ☞ Petroleum Engineering

The French – Vietnamese Training Program Of Excellent Engineers (PFIEV)



Established on the initiative of the educational cooperation between the French and Vietnamese governments, since 1999, the French - Vietnamese Training Program of Excellent Engineers (PFIEV) has been implementing at four prestigious Universities selected by the Vietnamese government:

Hanoi University of Science and Technology, National University of Civil Engineering, University of Science and Technology-University of Danang and Ho Chi Minh City University of Technology, in the collaboration with eight French Universities. The program aims at training engineers who are strong in theory and professional at management and practice skills. With solid basic and interdisciplinary knowledge, PFIEV engineers have broad perspectives to synthesize problems, and can rapidly adapt to interdisciplinary environment and technology development.

PFIEV program has been evaluated and accredited by the Commission of French Engineer Diploma (Commission des Titres d'Ingénieur - CTI) and the European Network for Accreditation of Engineering Education (ENAAE) and received EUR-ACE Label.

The Vietnam – Japan Engineering Program (VJEP)

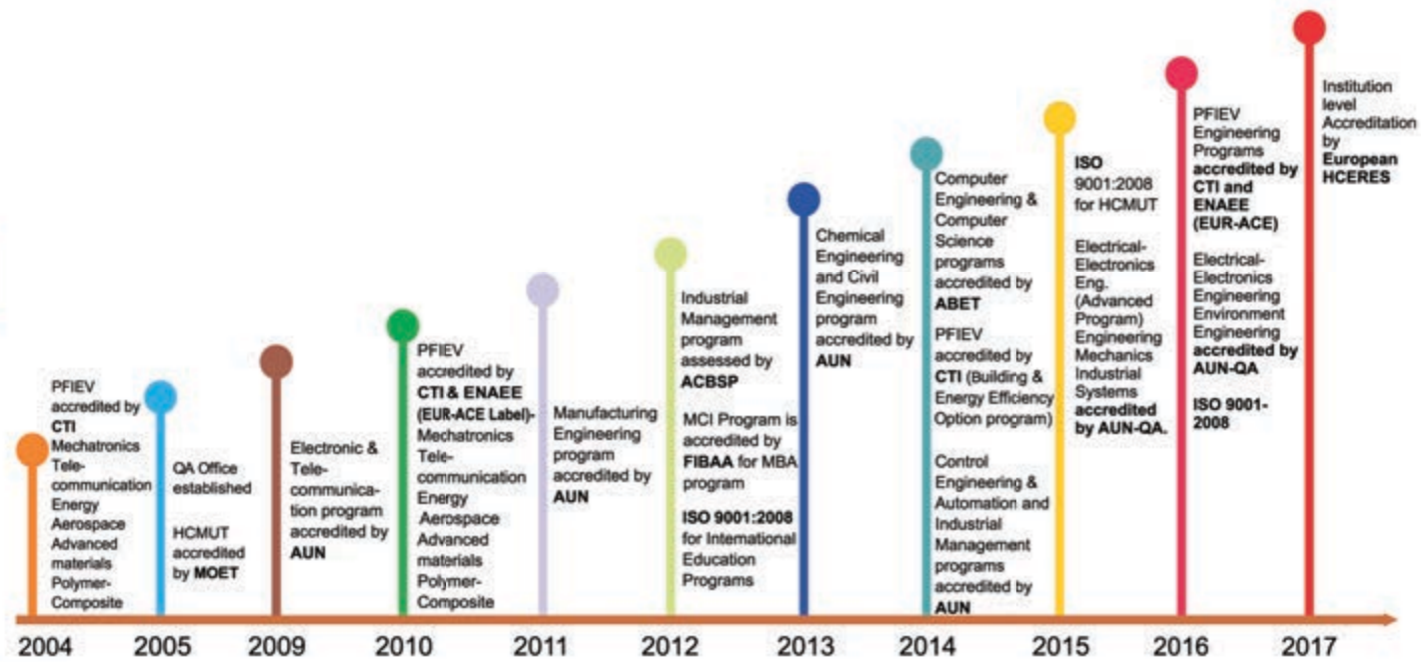
VJEP is a pioneer in providing a high quality human resource for Japanese enterprises. This program has been operated at Ho Chi Minh City University of Technology in company with state-owned Japanese enterprises.

- 4 year training program which is taught in Vietnamese at Ho Chi Minh City University of Technology.
- Intensive Japanese course to get a certificate of Japanese proficiency N2 to be qualified for graduation.
- Japanese culture and professional working skills.
- Opportunity to work in Japan.



Accreditation and Global Integration

Educational and training quality accreditation in accordance with the regional and international norms is one of the strategic policies of Ho Chi Minh City University of Technology towards the vision of becoming a pioneer in innovation, creativeness and international integration in the period of 2016 – 2020.



Being internationally recognized in terms of quality assessment at institutional level



Ho Chi Minh City University of Technology was officially delivered an international certificate of quality assessment at institutional level for 5 years by the Hcéres in 12 June, 2017. The duration of 5 years is the maximum timing scale regulated by the organization. Given this achievement, Ho Chi Minh City University of Technology has become one of the first universities in Vietnam which have been recognized by this prestigious quality assurance organization.

Being recognized by ABET



Ho Chi Minh City University of Technology is the unique university in Vietnam of which two training programs in Computer Science and Computer Engineering have been recognized by the ABET for the period 2014-2019. This initial achievement is expected to promote the education and training system to reach a higher level of international recognition.

Accreditation at program level

ORGANIZATION	PROGRAMS
Accreditation Board for Engineering and Technology 	2 engineering programs - Computer Science - Computer Engineering
AUN-QA 	11 engineering programs - Civil Engineering - Chemical Engineering - Control and Automation Engineering - Electronics - Telecommunication - Electrical and Electronic Engineering (Advanced Program) - Electrical and Electronic Engineering - Engineering Mechanics - Environment Engineering - Industrial Management - Industrial Systems Engineering - Manufacturing Engineering
CTI (EUR-ACE) - Commission of French Engineer Diploma (Commission des Titres d'Ingénieur) - European Network for Accreditation of Engineering Education (ENAAE) - European Accreditation of Engineering Programs 	07 engineering programs in the French Vietnamese Training Program of Excellent Engineers (PFIEV) - Aeronautical Engineering - Advanced Materials - Civil Engineering - Industrial and Energy Efficiency - Energy Systems - Mechatronics - Polymer and Composite Materials - Telecommunication
Foundation for International Business Administration Accreditation 	Joint program Executive MBA-MCI - University of Applied Sciences and Arts Northwestern Switzerland. - Ho Chi Minh City University of Technology.
- Association of MBAs - Accreditation Council for Business Schools and Programs - International Assembly for Collegiate Business Education 	Joint program MSM MBA - Maastricht School of Management (MSM, the Netherlands). - Ho Chi Minh City University of Technology (HCMUT).



External Links and International Projects



ASEAN University Network/ Southeast Asia Engineering Education Network (AUN/SEED-Net) was officially established as an autonomous sub-network of the ASEAN University Network (AUN) in April 2001. The project aimed at promoting human resources development in engineering in ASEAN. Today, the Network consists of 26 leading member institutions (selected by the Ministries in charge of higher education of respective countries) from 10 ASEAN countries with the support of 14 leading Japanese Supporting Universities (selected by Japanese Government). (<http://www.seed-net.org>).



Greater Mekong Sub-region Academic and Research Network (GMSARN) is composed of 7 regional top-ranking academic and research institutions, including HCMUT. GMSARN's activities focus on human resources development, joint research, and dissemination of information and intellectual assets generated in the GMS. Through multi-disciplinary research and joint activities, various complex problems covering both cross-border issues and other issues that are common to GMS countries are resolved scientifically and objectively.



Southeast Asian Technical Universities Consortium (SEATUC) established by Southeast Asian partner universities and Shibaura Institute of Technology in Japan in 2007. The Consortium of 8 member universities from 5 countries fosters international collaboration and comprehensive exchange programs. Each year, one member university is selected to organize an international conference called SEATUC Symposium, with the purpose of creating chances for professors and experts from member universities to meet and to exchange new ideas in the field of technology and engineering.

Japan-Vietnam Technical Cooperation project for Capacity Building of HCMUT to Strengthen University – Community Linkage (phase 2) (SUPREM-HCMUT) (2009-2012) began in April 2009, the project aims at further developing HCMUT as a leading higher education and research institute as well as strengthening the linkage between the university and communities for the promotion of the local development in Southern Vietnam with the project's focus areas and main concepts, such as Research-based Education (RBE), University-Community Linkage, Joint Research, and Patent. (www.jica.hcmut.edu.vn).



Japan-Vietnam Science and Technology Research Partnership for Sustainable Development: Sustainable Integration of Local Agriculture and Biomass Industries (Oct. 2009 - Sep. 2014): is a joint research project with The University of Tokyo and National Institute for Rural Engineering, National Agriculture & Food Research Organization (NIRE - NARO) supported by Vietnamese Government and Japanese Government (Japan International Cooperation Agency and Japan Science and Technology Agency). The project aims at the human resource development and capacity-building of researchers and research institutes in developing countries through science and technology research partnership with research institutes in Japan based on social needs in developing countries. In this respect, the research focuses on biomass conversions for the production of biofuels, such as bioethanol and biogas, and bio-based materials in an area of Southern Vietnam.

HEEAP - Higher Engineering Education Alliance Programs kicked off in 2010 from resource partners Intel Vietnam and the United States Agency for International Development (USAID), plus implementing partner/mentor institution Arizona State University (ASU) and 5 top engineering universities in Vietnam including HCMUT. The HEEAP industry alliance consortia continues to grow and currently boasts partnerships with Saigon Hi Tech Park, Siemens Corporation, National Instruments, Cadence Inc., and Danaher Corporation (Fluke, Tektronix, Keithley companies). HEEAP aims at transforming engineering education in Vietnam by strengthening the institutional capacity of higher education through faculty development programs that promote more effective teaching methodologies and practices to improve learning outcomes. (www.heeap.org).



AUF - L'Agence Universitaire de la Francophonie: HCMUT participated in AUF in 1992. With a network of 845 members in 111 countries, it is one of the largest associations of higher education and research institutions in the world. Agency of French universities supports its members in facing challenges as: the quality of training, research and governance; the employability and professional integration of graduates and the social responsibility of universities. (www.auf.org)



RESCIF - Réseau d'Excellence des Sciences de l'Ingénieur de la Francophonie

- **A French-Speaking Network For Innovation and Development:** The idea of creating a francophone network stemmed from the Montreux Conference of Heads of State and Government members of Francophonie, hosted by Switzerland in October 2010. Established on the initiative of EPFL and with the official support of the Swiss authorities, RESCIF includes 14 francophone universities from 11 different countries in Africa, the Americas, Asia, Europe and the Middle East. It focuses on three key issues for the future: water, energy and nutrition (<http://rescif.net/en>).
- **CARE (Centre Asiatique De Recherche Sur L'eau) - Asian Center For Water Research** was inaugurated on 19 November 2013 in Ho Chi Minh City University of Technology, Vietnam, at the second conference of the RESCIF presidents. CARE is one of two research centers belonging to RESCIF network. CARE focuses on key issues such as: Transfer sediment, contaminants and micro-plastics; Water quality and impact on health; Hydrological risk and vulnerability; Urban hydrology; Integrated management of water resources. (<http://carerescif.hcmut.edu.vn/en/>).



Erasmus Mundus Projects: The Erasmus Mundus program, which is financed by the European Commission, aims to enhance the quality of higher education and promote dialogue and understanding between people and cultures through mobility and academic cooperation.



- **Erasmus Mundus Action 2 - GATE Project (2012 - 2016)**
- **Erasmus Mundus Action 2 - Swap and Transfer (under VNU) (2013 - 2017)**
- **Erasmus Mundus External Cooperation Window - EM Euro Asia (2013 - 2017)**
- **Erasmus Mundus Action 2 - AREAS (7/2011 - 7/2015) và AREAS+ (7/2013 - 7/2017)** (Academic Relations between Europe and Asia) are institution-based mobility and scholarship projects. HCMUT has participated in the program as a partner university. The AREAS is open to undergraduate, graduate, doctoral and post-doctoral students and scholars and to academic staff who wish to study or research in Europe and in Asia (www.areas.polito.it).



External Links and International Projects

University – Industry Collaboration



Erasmus+ credit mobility agreements

Country	University
Czech Republic	Masaryk University
France	Grenoble INP Université Paris 13 Institut National des Sciences Appliquées de Lyon (Insa Lyon)
Italy	Politecnico de Torino Sapienza University of Rome The University of Trento The University of Modena and Reggio Emilia
Poland	Bialystok University of Technology Warsaw School of Economics
Portugal	Portuguese universities of Merging Voices Consortium Universidade Nova de Lisboa Universidade do Algarve Universidade de Trás-os-Montes e Alto Douro Universidade do Porto
Romania	Alexandru Ioan Cuza University of Iasi

6 Key Labs

- Asian Center for Water Research
- Biofuel & Biomass Research
- Key Lab For Materials Technology
- Key Lab For Internal Combustion Engine
- National Key Lab for Polymer & Composites Materials
- National Key Lab for Digital Control & System Engineering

8 Research and Technology Transfer Centers

- Construction Consulting Company
- Information Technology & Geographical Informatics System
- Mechanical Technology
- Polymer
- Research & Application center for Construction Technology
- Refinery & Petrochemical Technology
- Technology & Industrial Equipment
- Technology Business Incubator

U-I Potential Collaboration

- Scholarship
- Internship
- Seminars, Conference
- Joint research projects
- Equipment - Joint Labs

11 Engineering Faculties

- Applied Sciences
- Civil Engineering
- Chemical Engineering
- Computer Science & Engineering
- Electrical–Electronics Engineering
- Environment & Natural Resources
- Geology & Petroleum
- Industrial Management
- Materials Technology
- Mechanical Engineering
- Transportation Engineering

Focused Research Areas

- Core Technologies for Supporting Industries
- Food Processing
- Information and Communication Technology
- Manufacturing and Mechatronics
- New Materials
- Renewable Energies
- Water Treatment & Climate Change

HCMUT's Erasmus+ Projects for Capacity Building in Higher Education

Project	Name	Coordinator
ECO-RED Oct. 2015 to Oct. 2018	European quality Course system for Renewable Energy Development	Sapienza University of Rome - UNIROMA1, Italy
ICTentr Oct. 2015 to Oct. 2018	Supporting Entrepreneurial Development in the Field of Information Technology and Communication in Vietnamese Higher Education Institutions. http://ictentr.com	University of Turku, Finland
TACTIC Oct. 2015 to Oct. 2018	Through Academic Cooperation Towards Innovative Capacity http://www.tactic.muni.cz/	Masaryk University, Czech Republic
LMPI Oct. 2016 to Oct. 2019	Bachelor's and Professional Master's Degree for development, administration, management, protection of computer systems and networks in enterprises in Moldova, Kazakhstan, Vietnam. http://lmpi-erasmus.net	- Grenoble Academy GIP FIPAG, France - Università Telematica Internazionale Uninettuno, Italy
TA-SE Oct. 2016 to Oct. 2019	Tuning Asia South East https://tuningasia-southeast.org/	University of Deusto, Spain



Technology Business Incubator



THE START-UP ECOSYSTEMS AT HCMUT



INCUBATION

- We nurture Technology Startup based on the advanced science and technology of HCMUT from idea generation to venture creation.



CONSULTING

- We are ready to support to accelerate your startups by mentoring and coaching services with advanced innovation tools.



PLATFORM TRAINING FOR STARTUPS

- We organize innovation courses for entrepreneurs, trainers, students... with the following programs: Training of Trainer, Lean Innovation,...



PROFESSIONAL NETWORKING

- Being part of the HiN Network - the network of incubation centers in Ho Chi Minh City, we always connect and strongly support the connection among start-ups.
- We strive to contribute to the development of the startups ecosystem in Ho Chi Minh City as well as Vietnam.

