



VINUNIVERSITY

2022 GUIDE FOR

# **INTERNATIONAL** **STUDENTS**





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# JOIN VINUNI MAKE THE CHANGE

## Greetings from VinUniversity!

VinUniversity is the latest successful effort culminating from the vibrant bustling business environment of Vietnam, the start-up spirit of a nationally leading conglomerate, and the essence of excellence in education. We do not simply educate students, but indeed aim to develop future talents for the world.

As Vietnam becomes a dynamic economy full of opportunities and growth with a welcoming atmosphere for experts, VinUniversity strives to create an engine of change that propels exciting ideas and technological innovations universally.

Beyond state-of-the-art classrooms, VinUniversity boasts a residential life where students live-learn and develop holistically through activities. Additionally, our faculty advisors work very closely with students, to help you not only with course materials and academic progress, but also to ensure your safe, comfortable, and socially successful integration into our multicultural campus, and a promising professional career.

We seek young individuals with exceptional **Ability**, strong **Aspiration**, thoughtful **Creativity**, and unyielding **Commitment** to join us and **Make the Change!**

Look forward to welcoming you to VinUniversity.

**The Admissions Team**



# OVERVIEW OF VINUNIVERSITY

## VISION

VinUniversity is the first private, not-for-profit Vietnamese university established based on international standards. The university integrates the models of excellent international universities with the unique cultural and economic characteristics of Vietnam, in order to make a breakthrough in Vietnamese higher education and to become a world-class university.

## MISSION

The mission of VinUniversity is to educate and train outstanding individuals, who are knowledgeable, capable, and passionate about contributing to improving themselves and societal conditions, inspiring the current and next generations, and making lasting positive impacts on global development.

## CORE VALUE

### EXCELLENCE

VinUniversity attracts, trains, and develops talents with outstanding qualities, empathy, creative thinking, and a strong desire to create excellent work, to solve problems with aspiration, and to take action to improve the quality of life within the community.

VinUniversity (VinUni) is an excellent, private, not-for-profit university established by Vingroup.

VinUniversity's inauguration ceremony was held on its campus located at Vinhomes Ocean Park, Gia Lam, Hanoi, with a total investment of VND 6,500 billion (approximately USD 285 millions) from Vingroup.

Established on the highest standards of research, teaching, career development and international outlook, within the first year, VinUniversity was awarded **Quacquarelli Symonds (QS) 5 stars** rating for three aspects:

- Facilities
- Academic Development
- Inclusiveness

The institution comprises of Faculty of Arts and Sciences; College of Business and Management; College of Engineering and Computer Science; and College of Health Sciences. VinUni offers 12 degree programs, namely:

- Bachelor of Business Administration
- Bachelor of Science in Hospitality Management
- Bachelor of Science in Mechanical Engineering
- Bachelor of Science in Electrical Engineering
- Bachelor of Science in Computer Science
- Master of Innovation in Artificial Intelligence
- Doctor of Philosophy in Computer Science
- Bachelor of Nursing
- Medical Doctor Program
- Internal Medicine Residency Program
- General Surgery Residency Program
- Pediatrics Residency Program



# REASONS TO CHOOSE VINUNI

## #01

### Community of Talent



When you become a VinUniversity student, you become part of a community of talent, where you will meet amazing peers who will inspire you and professors who will challenge you to be the best.

## #03

### Globally Distinguished Faculty



You will get to learn from lecturers and professors from 14 countries, who have rich experiences in teaching and possess in-depth work and research experience at leading universities around the globe.

## #02

### Academic Programs of Excellence



The entire curriculum, from design to quality validation, is supported by Cornell University and University of Pennsylvania.

## #04

### Strong Industry Engagement



You will gain strong industry perspectives and engagement through your courses, 5in5 in-semester internship, summer internship, and by closely interacting with business leaders, and involvement in industry-specific projects.

## #05

### Active Learning



VinUniversity's teaching pedagogy is geared towards developing students into active problem-solvers through team-based learning, experiential learning, case studies, gamification, and simulation.

## #06

### Research Opportunities



You will get opportunities to become involved in academic research projects by working directly with faculty. VinUniversity is one of the few universities to help students participate in research activities with reputable faculty right from the start of their university studies.

## #08

### Interdisciplinary Projects



You will get access to opportunities to do interdisciplinary research projects and pursue interdisciplinary studies by working with other students and minoring in subjects at different colleges at VinUniversity.

## #09

### Entrepreneur Mindset



The Entrepreneur Lab helps develop students' start up ideas, and provides them with opportunities to interact with and learn from renowned experts and entrepreneurs.

## #07

### World-class Standards



Every aspect of the University: its curricula, research, faculty, student body, facilities, and campus life, is being developed to meet the highest standards set by the world's leading accreditation and ranking organizations, such as ABET, AACSB, Quacquarelli Symonds (QS), and Times Higher Education (THE).

## #10

### Integrated Bachelor's Master's program



After completing the 5-year program, students can earn a Bachelor's Degree from VinUniversity and a Master's Degree from an international partner university, including Cornell University, University of Pennsylvania, University of Technology Sydney, University of Illinois and University of California San Diego.







## STRATEGIC COLLABORATIONS

### Vingroup-Penn Collaboration

University of Pennsylvania (Penn) has entered a formal agreement with Vingroup, the Founding Benefactor of VinUniversity, to commit to excellence in clinical care and education, improve health care, and create new undergraduate and graduate medical training programs in Vietnam. Penn has provided tremendous support in establishing the College of Health Sciences at VinUniversity. Together, Penn Medicine and Penn Nursing are developing the undergraduate curriculum and aligning faculty and institutional support structures to establish high caliber educational and training programs.

#### Key Outcomes

- Develop and advance health curricula and training for the future with a focus on team skills, integrative thinking, and evidence-based practice.
- Define and further culturally competent standards through quality assessment and certification/recertification.
- Create opportunities for global training and experiences for both Penn and VinUniversity students.
- Achieve shared and ongoing excellence with the prospect of breakthroughs.
- Establish the Vinmec/ VinUniversity/ Penn model for shared values in education, quality health care, and service to humanity.

"With the same desire for excellence in education, research, and healthcare, Penn fully agrees with Vingroup that the results of these efforts will contribute to making fundamental changes in the quality of medical and nursing education, thus positively affecting the health of Vietnamese people in the short and long term."

**Glen Gaulton, PhD**  
Vice President and Director of  
Penn Global Health Center

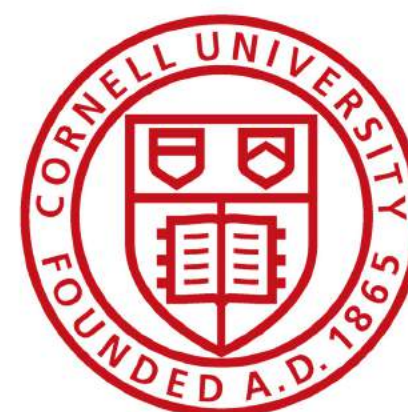


### Cornell-VinUniversity Collaboration

Cornell University's primary role is to build VinUni's faculty and academic leadership teams; to validate and assure the quality of the curricula developed by VinUniversity faculty; and to guide VinUniversity on a path towards international accreditations. Cornell faculty members provide advice to lay the foundation to position VinUniversity as a world-class teaching and research university in accordance with QS 5-star rating standards.

Since the beginning, Cornell University has been involved in every aspect of VinUniversity's development, including infrastructure, governance, faculty, admissions, and curriculum development. The Cornell-VinUniversity Project Team has provided support in founding VinUniversity with the participation of 200 faculty and staff, who have flown 687,000 miles on 40 trips to reach Vietnam. To strengthen their commitment, Cornell approved a multi-year leave for Professor Rohit Verma (Dean of External Relations, Cornell SC Johnson College of Business and Singapore Tourism Board Distinguished Professor), to assume the responsibility of Founding Provost of VinUniversity.

Following the strategic cooperation between the two universities, in August 2020, Cornell University and VinUniversity signed an agreement on the student exchange program. This program allows Cornell students to spend their time at VinUniversity as exchange students starting from the 2021 spring semester. An equal number of VinUniversity students will have the opportunity to study at Cornell University for the same duration. Students participating in the program will have their academic qualifications and study periods abroad recognized by both universities. This will also set the path for VinUniversity to discuss new projects, including dual degrees in both universities, with Cornell as well as other prestigious international universities.





# OUR ORGANIZATION



## ACADEMIC ADVISORY BOARD



**Professor Glen N. Gaulton**  
Vice Dean and Director of Global Health, University of Pennsylvania, USA



**Professor Dr Hau Lee**  
Co-Director, Value Chain Innovation Initiative, Stanford University, USA



**Professor Sanjay Sarma**  
Vice President for Open Learning Massachusetts Institute of Technology (MIT), USA



**Professor Susan A Martinis**  
Vice Chancellor for Research and Innovation, University of Illinois, USA



**Professor Thuc-Quyen Nguyen**  
Director of the Center for Polymers and Organic Solids, University of California, USA



**Professor Tsuhan Chen**  
Deputy President (Research and Technology), Distinguished Professor, National University of Singapore (NUS), Singapore



**Professor Wendy Woford**  
Vice Provost for International Affairs, Cornell University, USA



**Professor Rajat Mittal**  
Distinguished Professor John Hopkins University, USA

## ACADEMIC LEADERSHIP TEAM



**Dr. Le Mai Lan**  
Vice Chairwoman of Vingroup JSC  
President of the University Council  
(studied at Technical University of Berlin; NIEM)



**Professor Rohit Verma**  
Founding Provost  
(studied at University of Utah; Cornell University)



**Professor K. David Harrison**  
Vice Provost of Academic Affairs  
(studied at Yale University)



**Professor Do Minh**  
Honorary Vice Provost  
(studied at Swiss Federal Institute of Technology Lausanne)



College of Business & Management  
**Professor Choi Sunmee**  
Dean  
(studied at Cornell University)



College of Engineering & Computer Science  
**Professor Laurent El Ghaoui**  
Dean  
(studied at Stanford University, Sup'Aéro)



College of Health Sciences  
**Professor Trevisan Maurizio**  
Dean  
(studied at State University of New York at Buffalo)



Faculty of Arts & Sciences  
**Associate Professor Vu Anh Dung**  
Head  
(studied at University of Cambridge)



College of Engineering & Computer Science  
**Associate Professor Pham Ngoc Nam**  
Vice Dean  
(studied at Leuven University)



College of Health Sciences  
**Associate Professor Le Cu Linh**  
Vice Dean  
(studied at Tulane University)



# GLOBALLY DISTINGUISHED FACULTY

With the current student-to-faculty ratios at VinUniversity being 7:1, students have the chance to participate in research and write scientific publications for prestigious journals alongside their highly qualified "captains", who possess in-depth work and research experience at leading universities around the globe.



Student-to-faculty ratio: 7:1



From 14 different countries



Rich experience in teaching and researching



**Prof. Rohit Verma**  
Provost Professor,  
College of Business  
Administration



**Prof. Minh Do**  
Vice-Provost



**Prof. Maurizio Trevisan**  
Dean  
College of  
Health Sciences



**Prof. Laurent El Chaoui**  
Dean  
College of Engineering  
and Computer Science



**Prof. Pranee Liamputtong**  
Faculty  
College of Health Sciences



**Prof. Wray Buntine**  
Director of Computer  
Science Program  
College of Engineering  
and Computer Science

## INTERNATIONAL STUDENTS

There are 11 nationalities presented at VinUniversity. We are welcoming more and more international students in the coming academic year 2022-2023.

~500 excellent students come from

**11** different countries



Viet Nam



South Korea



USA



Germany



Japan



Ghana



Czech



Philippines



Russia



Libya



Kazakhstan

# GLOBAL EXPERIENCE

Study abroad opportunities are available for both VinUniversity students who want to spend a year or a semester overseas and international students who want to spend time exploring Vietnam.



## Integrated Bachelor's – Master's Programs

After completing the 5-year program, students can earn a Bachelor's Degree from VinUniversity and a Master's Degree from an international partner university, including Cornell University, University of Pennsylvania, University of Technology Sydney, University of Illinois and University of California San Diego.



## Outbound Exchange Program

VinUniversity students gain global exposure via international student exchange programs with Cornell University, University of Technology Sydney, Seoul National University, Yonsei University, Technion - Israel Institute of Technology, and many more.



## Overseas Short Courses Training

Overseas short-course training offers students an opportunity to discover the world in a short period of time at an affordable cost. With these intensive programs, students can obtain a whirlwind study abroad experience in as short as two weeks to have a greater understanding of the world's people, language, cultures, and environments, giving you an initial taste of an independent life abroad.





# RESEARCH FOR HUMANITY

VinUni focuses on research in key fields that can bring positive impacts to the community. All research will be developed on a strong foundation of science and technology, with an emphasis on interdisciplinary work.



*“Our students get to experience a dynamic research environment very early on in their studies, with 17 ongoing research projects being conducted.”*

**Do Ngoc Minh, PhD**  
Vice Provost,  
VinUniversity

## 7:1 student-to-faculty ratio

VinUniversity students are provided with ample opportunities to participate in research and scientific journal publications with our faculty members. This is an ideal student-to-faculty ratio employed by leading universities such as Harvard University and University of Pennsylvania.

# RESEARCH OPPORTUNITIES

From the very first academic year students at VinUniversity are offered a wide range of research opportunities under the guidance of leading national and international scientists, enjoying access to the most innovative technologies in the world.

Currently, VinUniversity is executing nearly 20 research projects proposed by professors and other faculty members with the participation of first-year students. Instead of getting extra income, students can earn academic research credit in their transcripts.

## Research 3 "I"s

VinUniversity focuses on research, inventions, and patents for interdisciplinary technologies, and aims to solve challenging problems in order to create significant positive impact on the economic and social development of Vietnam and the world. Specifically, we focus on 3 "I"s:

- Issues (Real World)
- Impact
- Interdisciplinary (Sci-Tech)

## Fields of Research Focus

- Smart Health
- Smart Service
- Smart Tourism
- Smart Education
- Smart Logistics
- Automation
- Digital Economy based on Artificial Intelligence and Big Data

VINUNI





## REAL-WORLD TALENTS

With the belief that education should not be limited to lecture halls, VinUni creates opportunities and requires students to gain “real-world” experience by stepping outside of the classroom to get hands-on learning and real-life practice.

- **Get involved in the 5-in-5 in-semester internship** to connect academic knowledge and professional application by engaging in real-world practice, from the very first year and every year until graduation.
- **Explore further with the summer internship** to obtain a deep understanding of and hands-on experience in interrelated departments through the rotation format before deep-diving in the desired sector.
- **Closely interact with business leaders** through programs like the industry speaker series, the executives-in-residence program, and the mentorship program.
- **Get involved in industry-specific projects** that allow students to immerse in real-world contexts and problems to solve.



## Career Development

### Work-Study Program

Students get the chance to experience the professional working environment early on at VinUniversity. The Work-Study program allows students to work as teaching and research assistants and to provide administrative support while earning a small income. A total of 93 students participated.

*“I learned basic business etiquette, such as how to greet business partners, how to shake hands, and how to exchange business cards,”* shared Tran Phuoc Lam Duy, an intern at the Marketing and Admission department.

### Company Visits

A series of company field trips were organized to allow students to get a taste of real companies’ cultures and see how they operate on a day-to-day basis. This year, we brought students to:

*Sofitel Legend Metropole  
Hanoi Vinsmart Factory  
Flamingo Dai Lai Resort  
Ivy Moda Factory*

**Entrepreneurship Lab (EShipLab)** is an experimenting platform for students who have a strong desire to transform ideas into real business models. Our EShip Lab provides a number of study courses and activities to develop and nurture entrepreneurial skills for students, as well as attractive seed funding to establish their start-ups. An important

part of EShip Lab is the Incubation Program, which offers an 8-week self-paced virtual program to learn business basics and get mentorship from professional experts from all over South-East Asia. Upon completion of the Incubation Program, students will be given the choice to proceed into the university’s own Accelerator Program, which will be launched in 2022.

In the next academic year, EShip Lab will also feature the Entrepreneurs-in-Residence program, which offers students mentorship and guidance from the country’s leading experts and entrepreneurs. A Start-Up Demo Day will also be organized, and we are expecting to invite a panel of angel investors and venture capital firms to assess and evaluate student start-ups from all over Vietnam.

The **Internship Orientation Program** provides structured guidance for students to plan their career paths, to find and apply for professional work positions, and to prepare themselves with the necessary skills and knowledge. The program held six sessions last year, namely:

- (1) Self-assessment and career development strategy
- (2) Effective searching for internship opportunities & personal branding
- (3) Writing professional CVs & cover letters
- (4) Successful interviewing
- (5) Professionalism in working environments
- (6) Panel discussion of HR Directors



*“The highlight of the academic year for me was definitely the Industry Mentorship Program. I got the opportunity to learn about my mentors’ approach to problem solving and their journey to achieve their dreams.”*

*Pham Thu Hien,  
CBM student*



# COLLEGE OF BUSINESS AND MANAGEMENT

## WHY CHOOSE THE COLLEGE OF BUSINESS AND MANAGEMENT AT VINUNIVERSITY?

- All curriculum and academic programs **validated by Cornell University**.
- **Strong industry perspectives and engagement** throughout the program (i.e., 5-in-5 internship, summer internship, industry mentorship, in-class real-world problems, industry speakers, etc.)
- A wide variety of **innovative and up-to-date concentrations** to select from with the opportunity to create your own concentration/minor.
- Opportunities to pursue **interdisciplinary studies** by minoring in subjects at other colleges such as College of Engineering, Computer Science, College of Health Sciences, and Faculty of Art and Science.
- Teaching pedagogy geared towards developing students into **active problem-solvers** (e.g., active, team-based, experience-oriented, service-driven learning).
- Opportunities to involve in **academic research projects** by working directly with faculty.
- **Rich co-curricular activities:** case competitions (domestic & national), hackathon

## BACHELOR OF BUSINESS AND ADMINISTRATION (BBA)

Our BBA program is not just about getting a degree. This program offers you with the combination of comprehensive business knowledge, practical skills, and personal development. Through our world-class curriculum, active learning pedagogy, and strong industry engagement, you can achieve a rewarding business career and make great impacts on the society.

## CAREER PROSPECTS FOR GRADUATES

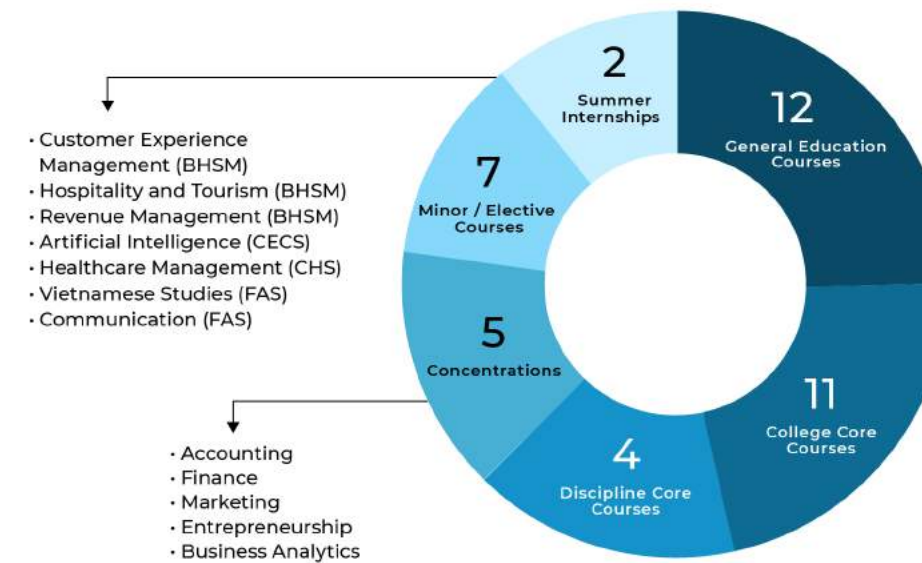
| MAJOR CAREER TRACK        | 4 Years in College                | Fresh Graduates                        | 3-5 Years                              | 5-10 Years                                        | Over 10 Years                         |
|---------------------------|-----------------------------------|----------------------------------------|----------------------------------------|---------------------------------------------------|---------------------------------------|
| Entrepreneurship Track    | Idea generation and planning      | Business launching                     | Business growth                        | Develop new business                              | Grow a start-up ecosystem             |
| Business Leader Track     | Internship with partner companies | Junior staffs of prestigious companies | Senior staffs of prestigious companies | Middle managers                                   | Senior/C-level managers               |
| Research/ Scholarly Track | Research projects with faculty    | Enroll in Master's and PhD programs    | Masters or PhDs from top universities  | Post-docs, early career faculty, research faculty | Tenured faculty or senior researchers |

\* Students' career paths are not limited to these recommended tracks.  
 \*\* The timeline of each track can vary for different students.



## CURRICULUM TAILORED TO YOUR POTENTIAL

### Bachelor of Business Administration Program Structure



### Curriculum Planner BBA program:



### Curriculum Orientation Video:



## THE ENTREPRENEURSHIP LAB (E-LAB)

Regardless of your career tracks, our program seeks to inspire, connect, and empower our students to develop entrepreneurial mindset and skills via our E-lab, which is planned to open in Spring 2022. The E-lab offers to you:



### A physical vibrant hub

on campus, for you to be part of a startup community with inspiration and support to achieve your goal



### Entrepreneurship workshops and mentorship

to help you develop important soft and hard skills to become a more competent professional and receive guidance to develop innovative ideas



### The incubation program

with seed funding, advanced training, and industry mentor will empower you to turn ideas into viable businesses



### Exciting idea/startup competitions and events

help you to practice your innovative abilities, improve communicative skills, expand your network, and potentially win fun prizes.

### The Entrepreneurship Lab video:





# COLLEGE OF BUSINESS AND MANAGEMENT

## BACHELOR OF SCIENCE IN HOSPITALITY MANAGEMENT (BSHM)

Picture yourself as a future leader of the hospitality industry – the world’s No. 1 employer. Hospitality, including global travel and tourism, is a more than \$7.6 trillion industry and currently employs close to 266 million. It is projected to create another 75 million jobs in the next decade. With our degree and the quality hands-on learning experiences you will gain here, you will be ready to work in any sector of the industry you choose anywhere in the world. If you want to explore a variety of career paths with limitless opportunities in a thriving industry that is as diverse as it is global, then the College of Business Management is THE place for you!

### CAREER PROSPECTS FOR GRADUATES

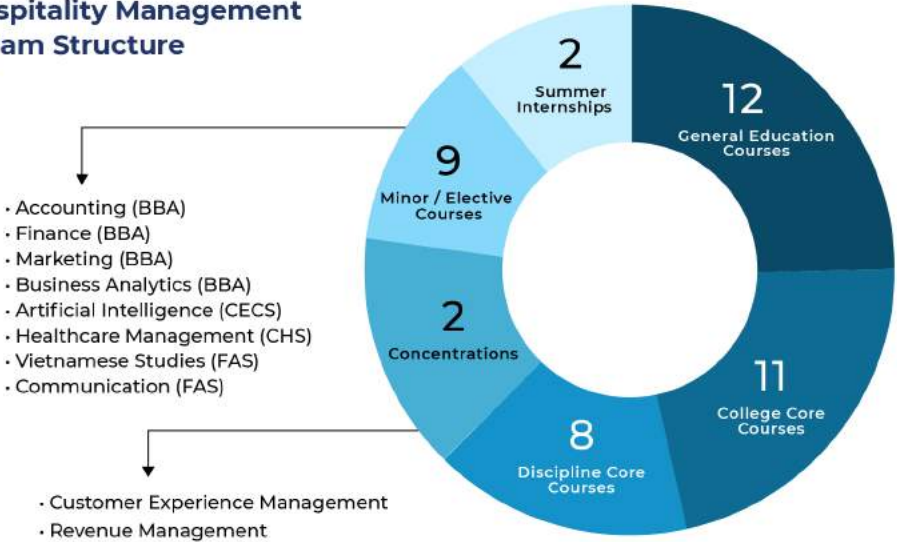
| MAJOR CAREER TRACK      | 4 Years in College                                  | Fresh Graduates              | 3-5 Years                   | 5-10 Years              | Over 10 Years                         |
|-------------------------|-----------------------------------------------------|------------------------------|-----------------------------|-------------------------|---------------------------------------|
| Hotel Sector            | Get prepared with practicum and managerial skillset | Assistant Department Manager | Hotel General Manager       | Cluster General Manager | Head Office – Chief Operation Officer |
| Tourism Sector          | Get prepared with practicum and managerial skillset | Experience Manager           | Airlines & Cruises Director | Luxury Travel Director  | Chief Executive Officer               |
| Entertainment Sector    | Get prepared with practicum and managerial skillset | Health and Spa Manager       | Director of Recreation      | Director of Wellness    | Chief Wellness Officer                |
| Event Sector            | Involve in work-study and school events             | Banquet & Event Executive    | Director of M.I.C.E.        | Managing Director       | Event Company Start-Up                |
| Hospitality Consultancy | Involve in industry and other research              | Enroll in Master's and PhD   | Project Manager             | Strategic Director      | Managing Director                     |

\* Students’ career paths are not limited to these recommended tracks.  
 \*\* The timeline of each track can vary for different students.



### CURRICULUM TAILORED TO YOUR POTENTIAL

#### Bachelor of Science in Hospitality Management Program Structure



Curriculum Planner  
BSHM Program:



Curriculum  
Orientation Video:



### THE HOSPITALITY LAB (H-LAB)

At the College of Business and Management, we are here to hone your skills to compete on the international hospitality stage. The H-Lab strives to support the development of future hospitality leaders via:



#### Food Safety Training Programs

that are professionally developed to address the building blocks for food safety in the foodservice industry



#### Competition and/or Events

that offers a platform for innovating and developing new technologies, design and business concepts in the hospitality industry



#### Food and Beverage Tutored Tastings

that help enhance their understanding and enjoyment of current and future culinary and beverage trends



#### House of Sustainability and Technology (HoST)

that serves as a platform to disseminate knowledge organized under the themes of technology and sustainability

And to provide you with a superb learning environment that is conducive to nurturing and allowing you to fulfill your full potential and succeed in the hospitality industry, the H-Lab is equipped with a:



#### Innovative High-Tech Flex-Cooking Area

that connects the VinUniversity and the community in the art and science of food



#### Turn-Key, Hands-On Dining Area

that is fully equipped as a hub for sharing food and beverage industry knowledge and information



#### Dynamic State-of-the-Art Wine Classroom

that supports beverage appreciation classes, industry training, and special event tastings

The Hospitality  
Lab video:





# COLLEGE OF ENGINEERING & COMPUTER SCIENCE

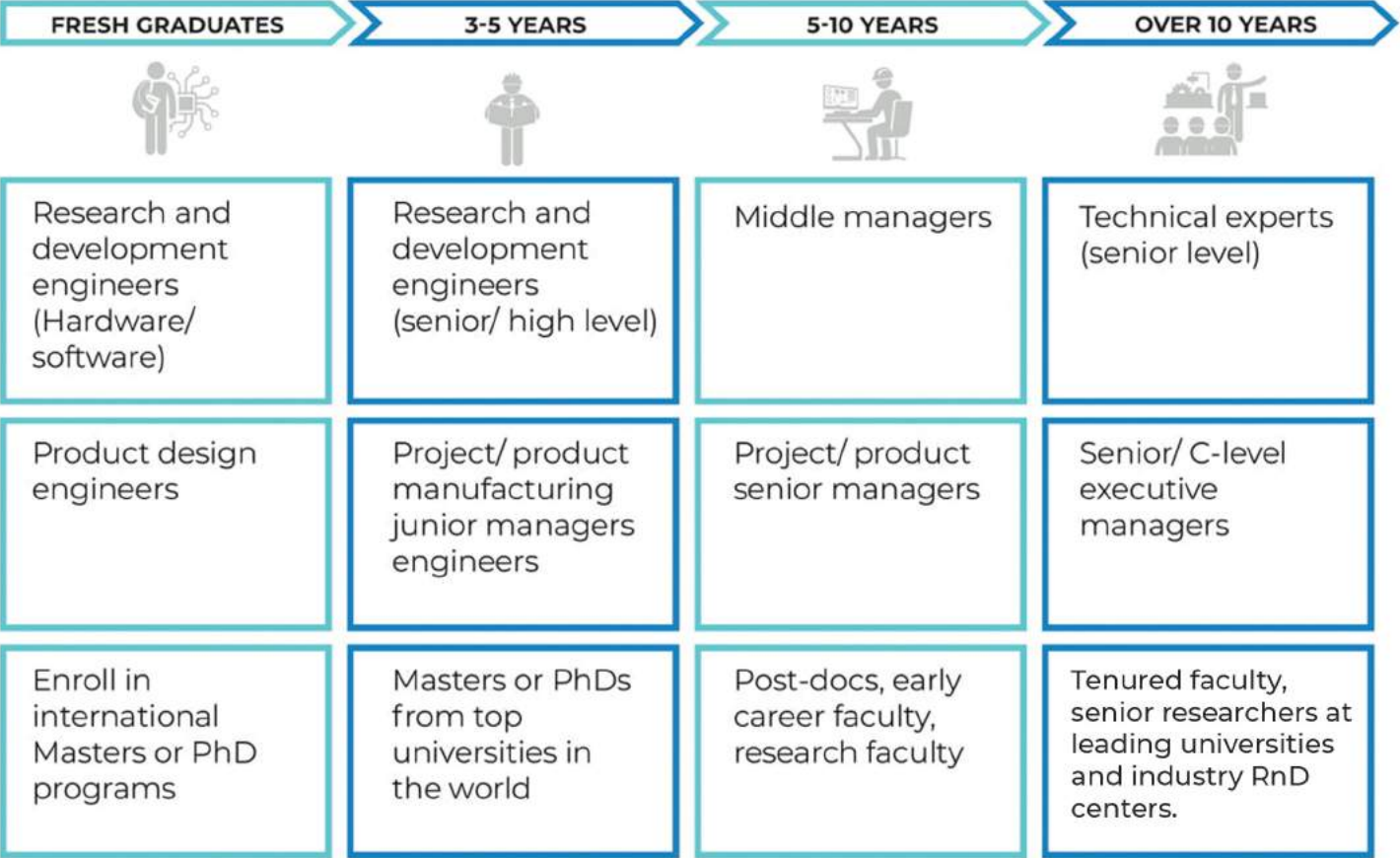
The College of Engineering and Computer Science at VinUniversity aspires to create a generation of young leaders with the qualities, skills, and knowledge needed to lead the development of science and technology, to increase productivity, and to bring about radical innovation for the benefit of society.



## WHY CHOOSE THE COLLEGE OF ENGINEERING AND COMPUTER SCIENCE AT VINUNIVERSITY?

- Students will study in the **highest standard international environment** of teaching and research:
  - All CECS curricula were developed **in compliance with ABET** (the highest accreditation standard in engineering and technology) and **validated by Cornell University** - one of the prestigious Ivy League universities.
  - Student have opportunities to work closely with faculty on research projects from the first semester. 100% CECS faculty have PhD degrees from well-known universities and are active in high-impact research.
  - Students have access to state-of-the-art facilities including the Superlab, 24/7 Open Project Lab, and Rapid Prototyping Lab.
- Students will study in a unique **interdisciplinary environment** including computer science, electrical engineering, mechanical engineering, business management, and health sciences where students can have opportunities to learn and take a minor in a different field. This unique opportunity will help students grow the innovative and entrepreneur mindset to help them to become leaders after graduation.
- Students have opportunities to do **internships in well-known companies and research institutes** in the Vingroup ecosystem such as VinFast, VinSmart, VinBrain, VinAI, VinBigdata, and others.
- Students have international study opportunities via a **global exchange program** with elite partner universities.

## CAREER PATH FOR GRADUATES



\*Best option for working overseas is International Masters and PhDs.





# COLLEGE OF ENGINEERING & COMPUTER SCIENCE

## CURRICULUM TAILORED TO YOUR POTENTIAL

### BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

- Mechanical engineers take an idea and turn it into product. They have a deep understanding of how to design a product for functionality, aesthetics, and durability as well as determine the best manufacturing approach and testing process for that product.
- Areas of concentration:
  - Automotive Engineering
  - Systems and Manufacturing
  - Energy and Sustainability

### BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

- Electrical engineers have training in hardware-software integration which includes both electronics engineering and software engineering. They work on a diverse range of technologies, from the creation of smart devices (mobile phones, laptop, etc.), clean power plants, robots, and communication systems, to the design of microprocessors which are the heart of all smart devices and home appliances.
- Areas of concentration:
  - Communications and Signal Processing
  - Control and Automation
  - Power and Clean Energy

### BACHELOR OF SCIENCE IN COMPUTER SCIENCE

- Computer scientists have a deep understanding of underlying theoretical computer science principles, software engineering practices and significant exposure to real-word problem-solving through a project-based, authentic and hands-on learning experience.
- Areas of concentration:
  - Artificial Intelligence
  - Data Analytics
  - Cybersecurity



## GENERAL CURRICULUM FRAMEWORK

| SEM. 1                                                                                                                       | SEM. 2 | SEM. 3                                                                                              | SEM. 4 | SEM. 5                                                                                          | SEM. 6                                | SEM. 7                                      | SEM. 8 |
|------------------------------------------------------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------|--------|
| <b>GENERAL EDUCATION</b><br>(Humanities, Arts, Social Sciences,<br>Academic English)                                         |        |                                                                                                     |        | <b>Inter-<br/>disciplinary<br/>Project</b>                                                      | <b>Co-op/<br/>Internship</b><br>①     | <b>Minor ② / Elective</b><br><b>PROJECT</b> |        |
| <b>ENGINEERING CORE</b><br>(Math, Physics, Chemistry, Programming)<br><b>PROJECT</b>                                         |        |                                                                                                     |        | <b>CONCENTRATION</b><br>(In-depth knowledge of<br>a specific area of a major)<br><b>PROJECT</b> |                                       |                                             |        |
| <b>Interdisciplinary<br/>Projects</b>                                                                                        |        | <b>MAJOR CORE</b><br>(Specific course for a major,<br>Electrical, Mechanical, CS)<br><b>PROJECT</b> |        |                                                                                                 | <b>Interdisciplinary<br/>Capstone</b> |                                             |        |
| <b>CO-CURRICULAR ACTIVITIES</b><br>(Global experience, Community service,<br>Entrepreneurship, Student-led activities, etc.) |        |                                                                                                     |        |                                                                                                 |                                       |                                             |        |

**NOTE:** In the summer semesters students can take part in extra coursework, internship or global exchange programs

**PROJECT** Projects will be a required component in many courses.

① **Co-op/ Internship** Students will spend one full semester on a mentored industry internship.

② **Minor** Students can minor in Robotics, Product Design, Technopreneurship, and other areas.





# COLLEGE OF HEALTH SCIENCES

## MEDICAL DOCTOR (MD)

The program is designed to train doctors who are capable clinicians with sound knowledge, professionals who have the heart that puts patients first, and researchers who constantly look for best evidence in medicine.

### WHY CHOOSE THE MEDICAL DOCTOR PROGRAM AT VINUNIVERSITY?

- Exposure to patients as early as the first year of the program to apply knowledge from the pre-clinical curriculum in **real hospital settings**.
- **International curriculum co-designed by the University of Pennsylvania** that emphasizes self-directed and team-based learning.
- **Competency-based program** designed to exceed international standards.
- **Interdisciplinary studies** which allow students to pursue a minor in College of Business and Management or College of Engineering and Computer Science.
- **Simulation center** for professional procedures, communication skills, ethical and scenario-based training, and team training.
- **Digital resources** like Pirogov Interactive Anatomy Table which allows students to practice on digitally anatomized cadavers rendered on a computer screen.
- **Best clinical practice environment:** Joint Commission International (JCI) accredited hospitals within Vinmec Healthcare System and leading public hospitals in Vietnam.
- International exposure via **global exchange program**.

**THE SIX-YEAR PROGRAM** is structured around three themes:

#### Clinician

We start with basic sciences (Biophysics, Chemistry and Biology) in year one and move to pre-clinical sciences followed by clinical sciences. Early Clinical experiences, simulations, bedside teaching, and clinical conferences will be some of the strategies used.

#### Professional

This theme will introduce professional attributes starting with the year one Introduction to Professionalism unit. From year two onwards, this theme will be embedded into all the units offered in the MD program with clear expectations required of a medical student in the academic, clinical and social settings.

#### Researcher

Bioinformatics in year one sets the foundation of this theme with some content in the unit "Introduction to Professionalism". From year two onwards, there are stand-alone units offered in the research stream, and evidence-based practice will be incorporated in clinical units. Participation in one scholarly project is a requirement for each MD student to graduate and the MD program is structured such that each MD student will have at least one scholarly publication during the six-year program.

## GENERAL CURRICULUM FRAMEWORK

| YEAR 1                                                                   | YEAR 2 TO YEAR 3                                                                                                                                                         |                                                                                                                                                                                                                                                                                | YEAR 4 TO YEAR 6                                                                                                                     |                                                                                                                                                                                                                                        |                                                                                                                                  |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Basic Sciences</b><br>Nutrition<br>Biophysics<br>Biology<br>Chemistry | <b>Pre-Clinical Sciences</b><br>Genetics<br>Biochemistry<br>Microbiology /<br>Parasitology<br>Immunology<br>Clinical anatomy/<br>histology/<br>embryology/<br>physiology | <b>Clinical Sciences</b><br>MDTI/<br>Rheumatology/<br>Musculoskeletal<br>Hematology/<br>Oncology<br>Neurology/<br>Psychiatry<br>Endocrine/<br>Reproduction<br>Gastrointestinal/<br>Nutrition<br>Cardiology<br>Pulmonary<br>Renal/Urology<br>Infectious diseases<br>Dermatology | <b>Clinical Placements 1-2</b><br>Internal Medicine<br>Pediatrics<br>Psychiatry<br>Neurology<br>Surgery<br>Obstetrics and Gynecology | <b>Clinical Placements 3-4</b><br>Infectious Diseases<br>Tuberculosis<br>Dermatology<br>Traditional Medicine<br>Dental<br>Intensive Care Unit<br>Rehabilitation<br>Ophthalmology<br>Ear - Nose - Throat<br>Family Practice<br>Oncology | <b>Clinical Placements 5-6</b><br>Internal Medicine<br>Pediatrics<br>Surgery & Surgical Specialties<br>Obstetrics and Gynecology |
| <b>Introduction to Professionalism</b>                                   |                                                                                                                                                                          |                                                                                                                                                                                                                                                                                |                                                                                                                                      |                                                                                                                                                                                                                                        |                                                                                                                                  |
| <b>Bioinformatics</b>                                                    | <b>Communication and Clinical Skills</b>                                                                                                                                 | <b>Medical Humanities</b>                                                                                                                                                                                                                                                      | <b>Health Education</b>                                                                                                              | <b>Electives</b>                                                                                                                                                                                                                       | <b>Transition to Clinical Practice</b>                                                                                           |
| <b>OASIS</b><br>Transition to university learning                        | <b>Fundamentals of Population &amp; Health Research</b>                                                                                                                  |                                                                                                                                                                                                                                                                                | <b>Scholarly Activities</b>                                                                                                          |                                                                                                                                                                                                                                        | <b>Evidence-based Medicine</b>                                                                                                   |
|                                                                          |                                                                                                                                                                          |                                                                                                                                                                                                                                                                                |                                                                                                                                      |                                                                                                                                                                                                                                        | <b>Professional Practice</b>                                                                                                     |
| <b>General Education Courses/ Vietnamese language</b>                    |                                                                                                                                                                          |                                                                                                                                                                                                                                                                                | <b>Remediation/ Summer Electives/ Multidisciplinary/ Electives</b>                                                                   |                                                                                                                                                                                                                                        | <b>Graduation</b>                                                                                                                |
| <b>Remediation/ Summer Electives/ Multidisciplinary/ Electives</b>       |                                                                                                                                                                          | <b>Remediation/ Preparation for Clinical Practice</b>                                                                                                                                                                                                                          |                                                                                                                                      |                                                                                                                                                                                                                                        |                                                                                                                                  |





# COLLEGE OF HEALTH SCIENCES

## BACHELOR OF NURSING

Across the globe, nursing is a growing, ever-evolving profession and Vietnam is part of this exciting change. We invite you to be part of this growth at VinUniversity where you will gain an understanding of nursing as an art and a science. You will learn what it means to have a practice which is based on evidence, with the patient at the center of your nursing care.

### WHY CHOOSE THE BACHELOR OF NURSING PROGRAM AT VINUNIVERSITY?

- **Job guarantee** with competitive salary and special career-track at Vinmec International Hospitals for all qualified VinUniversity nursing graduates.
- **International-standard curriculum** co-designed by the world's 1st-ranked nursing school University of Pennsylvania, which is fully aligned with US nursing education: Accreditation (ACEN) and Licensure Exam (NCLEX).
- **Study minor degree** of Business and Management and Technology Sciences that offers even more career paths in the future.
- **Enriched learning experience** with prestigious nurse educators and clinicians, supporting by a state-of-art simulation center and educational technologies (Pirogov interactive anatomy table, virtual labs, online educational platforms, etc.)
- **International clinical practice environment**, exclusive for VinUni nursing students, at Vinmec Healthcare System hospitals (JCI accredited).
- International exposure via a **global exchange program**.

**THE FOUR-YEAR PROGRAM** is centered on clinical practice competencies as the foundations for its graduates taking three major nursing roles in the future.

#### Clinician

The program starts with basic sciences (physics/biophysics, chemistry, biology, genetics and others) and moves to pre-clinical sciences, followed by clinical sciences in nursing.

#### Researcher

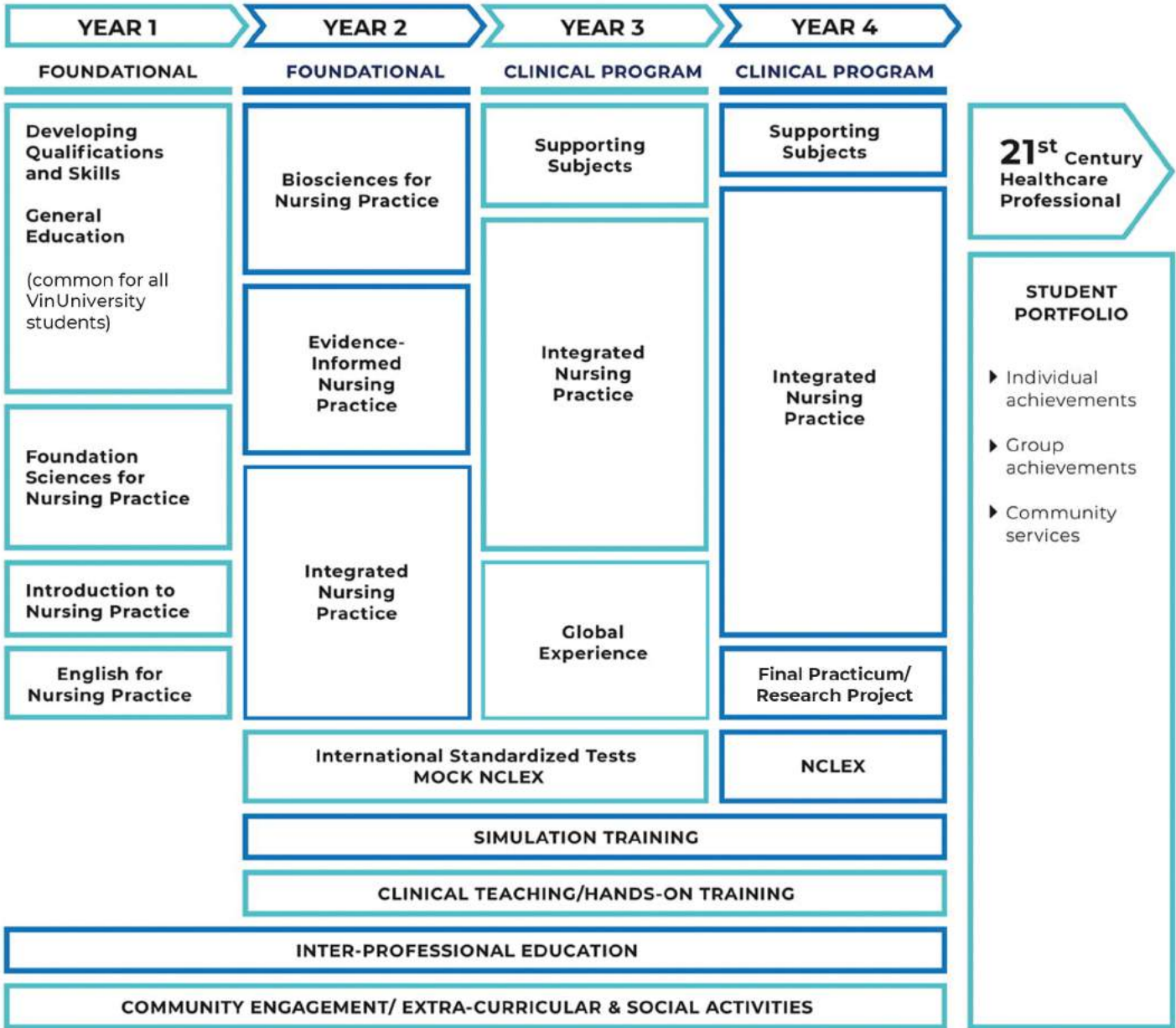
Nursing research and biostatistics are foundational courses preparing students for future research activities.

#### Manager

Leadership and management courses are a fundamental part of the BN curriculum. This theme is also embedded into all other courses offered in the BN program with expectations of management skills being a core value of VinUni-BN graduates.



## GENERAL CURRICULUM FRAMEWORK







# FINDING TALENTS

## TRAINING OBJECTIVES

VinUniversity is oriented to be a place of training for talents of the future, according to three main career directions:



### EXCELLENT ENTREPRENEURS

Being entrepreneurs and intrapreneurs, creating products and services with premium quality that are trusted by people and recognized in the international market.



### EXCELLENT SCIENTISTS

Creating breakthrough inventions, leading the development of science and technology, socio-economy, and public health to bring positive value to human life, recognized by the science community in the world.



### LEADING EXPERTS

Possessing outstanding and rare skills in the field of science and technology, health science, and business management, sought after by prestigious national and international enterprises and social organizations.

## ADMISSION CRITERIA

VinUniversity performs a holistic application review to understand candidates as "whole persons", consisting of four criteria.

► **A - Outstanding Ability:** outstanding academic performance  
Not limited to grades and awards but extended to your overall interest in knowledge, mathematics, analytics, languages, imagination, and all the skills that build up a strong foundation for academics.

► **A - Aspiration:** strong passion  
If you dream of having a breakthrough project to change life, escape poverty, cure diseases, or help people in difficult conditions, then you are the person VinUni is looking for.

► **C - Creativity:** creative thinking  
If you have a curious mind, know how to ask questions, think coherently, know how to defend your opinions, and create your own products, then you are VinUniversity's choice.

► **C - Commitment:** resilience and dedication  
If you are someone who strives to fulfill promises, always sees challenges as a learning opportunity, and constantly cruises forward, then you have the DNA that VinUniversity seeks.

## HOW TO APPLY

Your application will require the following items. They will have to be submitted through our online application system.

- 1 • **Personal Information** to help us better understand who you are and how to get in touch with you.
- 2 • **1-page CV** to portray yourself-holistically expressing your ability, aspiration, creativity, and commitment.
- 3 • **1 Short Answer Question** with the freedom to self-express. Write in your own words and reflect your personal perspectives.
- 4 • **List of Academic Qualifications, Honors and Awards** including your grades in Grade 10, 11 and 12, any academic competitions, standardized tests, or other merits you achieved.
- 5 • **Non-Academic Achievements** on your other interests, passions, achievements, so that we may get to know you better.
- 6 • **References contact information** for two references is needed. These people should be your teachers who can provide objective feedback about you. (VinUniversity may contact your references to discuss your application or to request letters of recommendation from them at a later stage).







# SCHOLARSHIPS AND INTERNATIONAL FELLOWSHIPS

Staying true to our mission, VinUniversity proudly offers our prospective international students both Scholarships and International Fellowships to enable you to obtain a world-class education in Vietnam. As aQS 5-Star institution in Inclusiveness, we strive to recognize and support global talents in all aspects.

Scholarships at VinUni are merit-based and reserved for students who possess outstanding academic capabilities, creativity, aspiration, and commitment. They range from 90% - 100% of tuition fees. Students with exceptional talent will be granted full scholarships, which include 100% tuition fees with added \$1,500 for living expenses.

The International Fellowships will cover 50%, 60%, 70%, or 80% of the tuition fee. These Fellowships are designed to help lessen the financial burden of international students while also recognizing their talent and potential.

| TYPE OF SCHOLARSHIP/ FELLOWSHIP |                  | ANNUAL VALUE (USD)                                              | DURATION | TOTAL VALUE (USD) |
|---------------------------------|------------------|-----------------------------------------------------------------|----------|-------------------|
| Merit-based scholarships        |                  | Receiver: Exceptionally talented, Very talented, Talented       |          |                   |
| Medical Doctor program          | Full scholarship | 39,400                                                          | 6        | 236,400           |
|                                 | 100%             | 35,000                                                          | 6        | 210,000           |
|                                 | 90%              | 31,500                                                          | 6        | 189,000           |
| Bachelor of Nursing program     | Full scholarship | 17,400                                                          | 4        | 69,600            |
|                                 | 100%             | 15,000                                                          | 4        | 60,000            |
|                                 | 90%              | 13,500                                                          | 4        | 54,000            |
| Others                          | Full scholarship | 39,400                                                          | 4        | 157,600           |
|                                 | 100%             | 35,000                                                          | 4        | 140,000           |
|                                 | 90%              | 31,500                                                          | 4        | 126,000           |
| Need-based fellowship           |                  | According to the candidate's performance and need-based request |          |                   |
| Medical Doctor program          | 80%              | 28,000                                                          | 6        | 168,000           |
|                                 | 70%              | 24,500                                                          | 6        | 147,000           |
|                                 | 60%              | 21,000                                                          | 6        | 126,000           |
|                                 | 50%              | 17,500                                                          | 6        | 105,000           |
| Bachelor of Nursing program     | 80%              | 12,000                                                          | 4        | 48,000            |
|                                 | 70%              | 10,500                                                          | 4        | 42,000            |
|                                 | 60%              | 9,000                                                           | 4        | 36,000            |
|                                 | 50%              | 7,500                                                           | 4        | 30,000            |
| Others                          | 80%              | 28,000                                                          | 4        | 112,000           |
|                                 | 70%              | 24,500                                                          | 4        | 98,000            |
|                                 | 60%              | 21,000                                                          | 4        | 84,000            |
|                                 | 50%              | 17,500                                                          | 4        | 70,000            |
| Vingroup subsidy                |                  | All VinUniversity students for first five intakes               |          |                   |
| Medical Doctor program          | 35%              | 12,250                                                          | 6        | 73,500            |
| Bachelor of Nursing program     |                  | 5,250                                                           | 4        | 21,000            |
| Others                          |                  | 12,250                                                          | 4        | 49,000            |





# MEET VINUNINIANS



**Tran Tuan Minh**  
(America)  
Bachelor of Business Administration

"It was the "people" that attracted me to consider VinUniversity at first. What VinUnians have in common are affability, friendliness, and the willingness to learn. Moreover, despite being only freshmen, students all have sharp critical thinking and problem-solving skills."



**Ekaterina Balashova**  
(Russia)  
Bachelor of Computer Science

"I want to do my best to learn everything that the VinUniversity curriculum has to offer. I want to do my best as a research assistant and I want to explore other possibilities offered by VinUniversity. But also, I think the goal I acquired since I arrived here was to get a hand on the entrepreneurial spirit."



**Alyah Shebani**  
(Libya)  
Bachelor of Medical Doctor

"In the Medical Doctor Program, students really have to start clinical practice in year three and four. And although we are first year students, we have already started making plans to go into the Vinmec Health Care System and start surveying residents and doctors about their own experience as interns. I feel as though an entirely new world has been opened up to us."



**Hannah Yeboah**  
(Ghana)  
Bachelor of Nursing

"Nursing has always been part of me. I checked the nursing courses at VinUniversity and I realized that it was great especially with the certificate they give (at the end of the course). And with the certificate I can work anywhere in the world - I can work in Vietnam, I can work in the US, so it was great. Wherever you are in the world, there is something special in you that you can give to the world and VinUniversity is here to shift you to reach your goals in life."



**Park Ji Hwan**  
(South Korea)  
Bachelor of Business Administration

"I always want to learn about Vietnamese culture, country and people. Coming to VinUni, I will have the opportunity to study with many international and Vietnamese students and immerse myself in the culture here."



**Tran Huy Hoang Anh**  
(Vietnam)  
Bachelor of Science in Electrical Engineering

"Electrical Engineering acts as a bridge that links the software and hardware of machines. At VinUniversity, provided with in-depth understanding about computer structures and electronic processing chip systems, I have the advantage of developing in not only my engineering profession but also in other computer-related fields."



**Lora Isabelle Sanchez**  
(Philippines)  
Bachelor of Business Administration

"Leaving home and moving to Vietnam is a daring decision, yet I believe this will be a wonderful adventure. I have brought up some topics of interests for research with some professors, because I've been wanting to conduct my own research papers since I was in high school. But my high school teachers always told me I was too young. So now that I'm here, I really want to work with some of our VinUniversity professors to try and take on the topics and really do something for ones that I'm really really passionate about."



**Homi Yamada**  
(Japan)  
Bachelor of Medical Doctor

"Here at VinUniversity, you get to meet professors from universities all around the world such as Pennsylvania, Cornell, and Yonsei. I actually graduated from Canada and then it was quite a sudden decision to suddenly move back here and study at such a prestigious university. VinUniversity has given me the opportunity to achieve my dream of making a positive impact on the Vietnamese healthcare system."



# FIRST YEAR EXPERIENCE

First Year Experience (FYE) is a special component of VinUniversity, designed to transform a fresh high school graduate into a mature college student who is proud, confident, independent, self-learned, and composed. VinUniversity believes that initial experiences are the most effective launchers for all students on the journey of self-exploration and growth.

**Pride:** FYE is a journey to learn about values and potential and respect differences. Build pride in yourself, your family traditions, your university, your national spirit, and your national status.

**Confidence:** FYE takes inspiration from the quote “Nothing is impossible” and works to instill confidence in self-determination, will, and ability.

**Independence:** FYE requires 100% of freshmen to live on campus. You will get comfortable adapting to an independent life, shopping, washing up, cooking, and managing expenses all by yourself, as well as building long-lasting friendships and social relationships. If your income is not enough to cover the expenses, you can apply for the “Work Study Program” to earn additional income.

**Self-Learning:** FYE trains students in how to choose subjects, search for information, design research projects, think of start-up ideas, self-fund projects, and choose teammates to succeed. Lifelong independent learning is one of the key skills of the 21st century and VinUniversity will help you strengthen that skill.

**Composure:** FYE inspires the message “I Can Do It” in students. Students will be acutely aware of their responsibility in their own life instead of blaming the situation. Do not wait – take the opportunity and act to achieve your dream.



Statistics show that graduates from prestigious universities possess far higher chances to succeed.

An important factor is the cohesion and mutual support through peer networking where outstanding individuals collaborate and cooperate.





# STUDY IN VIETNAM

Vietnam is a rising economy full of opportunities.

- Forecasted to be one of the fastest growing economies globally, according to Moody's Analytics.
- With a large and young population (55.5% is under 35 years old), Vietnam is one of the most exciting and vibrant destinations for living and working, with many high-demand jobs in technology, healthcare, automobile, hospitality services, ...
- Hanoi and Ho Chi Minh City: Global top 10 most dynamic cities, according to JLL's City Momentum Index (CMI) 2019.



We at VinUniversity believe that studying in Vietnam is a unique journey that will bring global citizens to a live-learn environment where you can apply world class theoretical knowledge to create solutions for real issues in a rapidly transforming business environment.

In addition, living and studying in Vietnam will give you an opportunity to explore a unique, historic, exotic, and rapidly developing country. There will be distinctive architecture, stories, and historical figures to witness at almost every corner of your new home – Hanoi, the millennium-old capital formerly known as Rising Dragon Citadel. Furthermore, our natural landscape is blessed with wonders such as Ha Long Bay or Son Doong Cave.

Finally, Vietnam offers affordable living costs and ample travel opportunities that will deliver you the best 4 years of your life immersing yourself in academics while equally exploring our hospitality, unique arts, and festive activities.

**We look forward to welcoming you to the journey of a lifetime!**



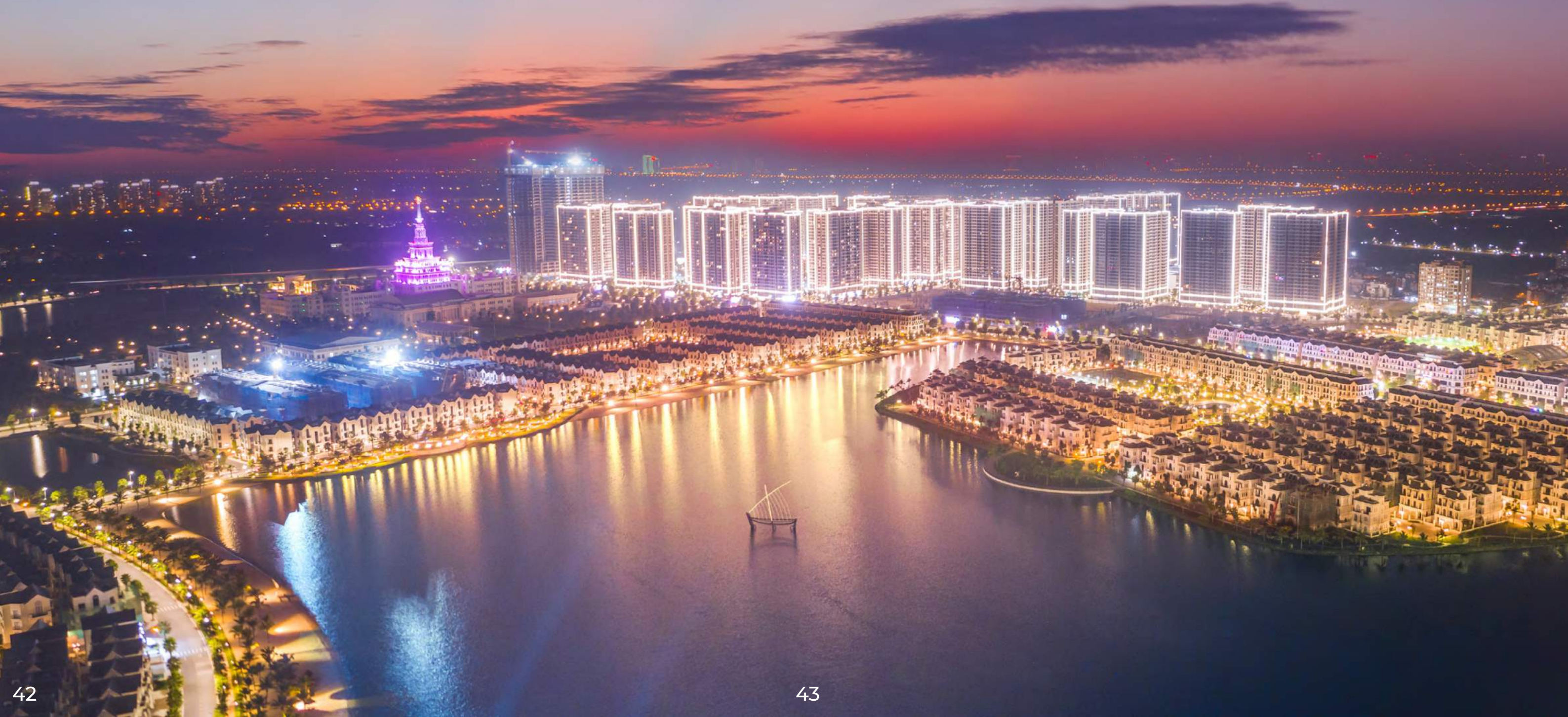


# VINHOMES OCEAN PARK

A MINIATURE CITY FOR THE  
INTELLECTUAL COMMUNITY

**VinUniversity campus** is located at **Vinhomes Ocean Park**, Gia Lam District, Hanoi. Vinhomes Ocean Park is not only a **world-class mega city** but also a **city of nature, life, and inspiring and exciting people**, ready for unimaginable yet realizable experiences.

With a prime location, along with high-class facilities, Vinhomes Ocean Park promises to be an ideal place for residents to become a **new center** with outstanding development in the heart of the citadel.





# THE NEW HANOI

It's where you can enjoy **the best of both worlds**, from the busy streets to the peaceful sea. It's where you indulge in the city life while staying free with the endless skies and ocean.







VINUNIVERSITY

**START YOUR JOURNEY  
AT VINUNIVERSITY HERE:**



**Do you have any questions?**

✉ Email: [admission@vinuni.edu.vn](mailto:admission@vinuni.edu.vn)

☎ Hotline: 18008189/ 0981008189

🌐 Website: [vinuni.edu.vn](http://vinuni.edu.vn)