

# SAIGON INSTITUTE OF TECHNOLOGY



SCHOOL YEAR 2017 - 2018

# TABLE OF CONTENTS

03 - MISSION AND VISION

04 - HISTORY OF SAIGONTECH

05 - HCC and SAIGONTECH

PARTNERSHIP AGREEMENT

06 - STUDY PROGRAMS:

08 - DIGITAL GAMING AND SIMULATION FOR  
PROGRAMMERS

09 - DIGITAL GAMING AND SIMULATION FOR  
ARTISTS

10 - COMPUTER PROGRAMMING - APPLICATIONS  
DEVELOPMENT - JAVA

11 - NETWORK SYSTEMS AND CYBER  
SECURITY SPECIALIZATION

12 - COMPUTER SYSTEMS NETWORKING - MS  
ADMINISTRATION

13 - COMPUTER ENGINEERING TECHNOLOGY  
SPECIALIZATION

14 - MARKETING GENERAL

15 - BUSINESS MANAGEMENT

16 - INTERNATIONAL BUSINESS

17 - INTERNATIONAL INTERNSHIPS

17 - COMMENCEMENT CEREMONY IN AMERICA

18 - INTERNATIONAL CAREER AND STUDY  
DEVELOPMENT

19 - STUDENT SERVICES

# MISSION AND VISION



SaigonTech's Mission is to combine education, training, research and development with engineering services to effectively contribute to Vietnam's continuing technology expansion, with focus on the fields of Information Technology and Business Administration.

In our effort to coordinate student learning and career opportunities with the essential needs of the Vietnamese labor market, SaigonTech constantly seeks new and innovative approaches to the study of information technology.

SaigonTech rigorously executes its mission with total focus on the workforce's needs, which are effective Development, appropriate Deployment, and guided Direction.

SaigonTech's vision is a quest for innovation in the Management of Intellectual Resources. The innovative idea of "managing by servicing" has been proven the best tool for growth.

SaigonTech, an Institute of Technology, founded on the belief that the abundant raw talents in Vietnam can be transformed into a world class workforce through the incubation of proper educational services opportunities for hands-on project engineering, and practical participation in research and development.

At SaigonTech, instructors practice self-improvement, managers learn to assist their subordinates, and students learn to excel through the services rendered by faculty and management.

# HISTORY OF SAIGONTECH

SaigonTech is the trading name of Saigon College, formerly known as Saigon Information Technology College, founded in 2001. In 2004, the school was renamed to Saigon Technology College, and upgraded to Saigon Vocational College in 2007. In 2017, the school was again renamed to Saigon College for the purpose of providing the best information technology program but at the most reasonable cost to students wishing to enjoy the quality of international education in Vietnam.

In 2003, a Partnership Agreement was signed between the Institution and Houston Community College System (HCC), allowing it to offer the Associate in Applied Science (AAS) program in Information Technology. The new Affiliation Agreement between SaigonTech and HCC signed in 2007 has enabled SaigonTech to offer academic courses in Business Administration, Marketing, International Business, Accounting, Geographic Information Sciences and to award an AAS degree of HCC, which is accredited by SACSCOC (Southern Association of Colleges and Schools).

At the meeting on Education Initiatives, Houston, Texas, USA on June 26, 2008, attended by representatives of more than 60 American universities, businesses, investors and social organizations, Prime Minister Nguyen Tan Dung spoke highly of the successful educational cooperation between Houston Community College and SaigonTech. The Prime Minister strongly encouraged American educators to develop similar programs (HCC-SaigonTech) in Vietnam and also expressed his hopes to see a duplication of the model coming.

Starting with 50 Information Technology graduates in 2005; up to now, more than 2,000 students have been awarded an American AAS degree in Information Technology or Business Administration. In order to increase student enrolment, foster quality teaching/learning and student services, we are striving to expand our training programs and upgrade the school infrastructure. SaigonTech is committed to improving the quality of teaching and learning in Vietnam and to providing learning opportunities for those who are capable of pursuing a university degree and want to do it. Combining theory with

practice to maximize every student's potential, we equip students with a ready-for work package upon graduation: critical thinking, interpersonal skills, professional knowledge, and a caring heart.

In order to ensure each student's success, SaigonTech always challenges itself to help students inside as well as outside the classroom constraints. Since 2005, twelve classes have graduated from SaigonTech and many of them have become very successful academically and/ or professionally in Vietnam and in other countries. This is an obvious demonstration of how our goals can be realized. Along with the enthusiastic cooperation of international partner schools, SaigonTech always strives to achieve our ultimate goal: becoming a top-ranked institute of technology.

2016 is not only a milestone which marked the 15th anniversary of the school establishment but also the starting point of SaigonTech's second take-off. In this departure, SaigonTech positions itself as a pioneer of applying science and technology in teaching and learning; concentrate on expanding our training programs in science of technology; and become a leading university in Vietnam, Southeast Asia, and Asia.

## SaigonTech Important Milestones

- 2001 Established with the mission to train human resources for the cause of international quality in Information Technology and Business Management
- 2003 First successfully accredited by SACSCOC, being the first accredited tertiary institute in Vietnam
- 2005 Commencement Ceremony for Intake 1
- 2009 \$20m-SaigonTech Tower Inauguration Ceremony
- 2012 Successfully re-accredited by SACSCOC
- 2017 16 years introducing American education to Vietnamese students

# HCC AND SAIGONTECH PARTNERSHIP AGREEMENT

In 2003, Saigon Institute of Technology (SaigonTech) entered into a Partnership Agreement with Houston Community College (HCC) to jointly offer courses for HCC credit that will apply to the Associate in Applied Science (AAS) degrees in Computer Science Technology and Computer & Information Science Technology. Consequently in 2007, the Partnership Agreement between SaigonTech and HCC was extended, enabling SaigonTech to offer AAS programs in Business Administration, Marketing, International Business, Accounting, and Geographic Information Systems.

The Partnership Agreement contractually commits SaigonTech to delivering the programs offered by the Computer Science Technology Department and Business Department at HCC. Under this contract, SaigonTech students will be awarded credits on their HCC transcript for their academic work in the same manner as HCC students in Houston. All other courses will be transferred to HCC following the evaluation and approval of SPANTRAN, an HCC-approved foreign transcript evaluation agency.



In effect, this contractual agreement allows SaigonTech students to earn an HCC degree by studying in Vietnam.

Following is an excerpt from the Partnership Agreement between SaigonTech and HCC:

## HCC HEREBY AGREES TO:

1. *provide curriculum models for identified degree programs.*
2. *accept all the credit hours earned by students at SaigonTech towards an AAS degree at HCC under the terms of this Contract.*
3. *provide model course syllabi appropriate to each degree program being offered at SaigonTech.*
4. *assist in providing listings of the required textbooks and instructional materials for.*
5. *evaluate examination procedures and results for quality control.*
6. *provide continuing counsel, advice, and direction on all matters concerning the degree program.*
7. *inform SaigonTech, on a timely basis, of all curricula and other changes that may affect the program.*
8. *pursue possible development of other degree programs with SaigonTech.*
9. *accept SaigonTech students who want to pursue AAS degrees at HCC, Texas. These students must satisfy the admission requirements for international students including a TSI and English Placement Test (if they do not have a valid certificate of TOEFL iBT  $\geq 61$  or IELTS  $\geq 5.5$ ).*
10. *provide regular and appropriate information to SaigonTech concerning the academic progress and performance of their former students while those students attend HCC.*
11. *HCC will support a faculty exchange program that is mutually agreeable to both institutions.*



## STUDY PROGRAMS

The Houston Community College programs offered at SaigonTech provide students with a strong basis of specialized knowledge via applicable teaching system, continuously updated with modern technological trends worldwide, as well as the guidance of the experts in the field. SaigonTech instructors have solid working experiences and are recruited under strict requirements of HCC. With Houston Community College's Associate of Applied Science (AAS) degree, SaigonTech students confidently prove their abilities to work or study in the USA and other countries all over the world.

SaigonTech offers 3 main applicable programs whose trainees are in massive need, including:

- Business Administration: Marketing General, Business Management, & International Business
- Information Technology: Digital Gaming and Stimulation, Computer programming - Applications development - Java, Network Systems and Cyber Security Specialization, Computer Systems Networking - MS Administration
- Electronic Engineering Technology: Computer Engineering Technology Specialization



### Key differences:

- 100% English speaking environment
- American programs and syllabus are continuously updated
- International internship in Europe and Japan

### General Education Requirements

General education offers students a wide range of opportunities to acquire the skills and knowledge necessary to have a broad understanding of a changing world, to become valued citizens in a complex and culturally diverse world, and especially to reach their education goals.

The general education block for each program must contain a minimum of 15 college credit hours. These must be taken from the following categories:

- |                               |       |
|-------------------------------|-------|
| • Humanities/Fine Arts        | 3 SCH |
| • Social/Behavioral Science   | 3 SCH |
| • Math/Natural Science        | 3 SCH |
| • General Education Electives | 6 SCH |

## INFORMATION TECHNOLOGY PROGRAM

### Digital Gaming and Simulation

Document design for a solo game  
Document design for a team project  
Game or simulation development based on the solo/team design documentation.

### Computer programming - Applications development - Java

Basic and advance Java programming  
Targeting programming  
Database design and management (MS SQL, Oracle, MySQL)  
Web design and programming (HTML/CSS/JavaScript/XML)  
Mobile programming

### Network Systems and Cyber Security

**Specialization** Security fundamentals  
Wireless network security protections Workstations, servers, and other networking devices

Vulnerabilities and generate vulnerability reports  
Security industry accepted tools Firewalls and Virtual Private Networks

### Computer Systems Networking - MS

**Administration** Cisco CCNA technology  
Microsoft Windows installation and support  
Computer maintenance  
MS Windows Server infrastructure installation, management, and maintenance  
MS Windows Server operating system management and maintenance  
Basic programming  
Web development  
Information security

## ELECTRONICS ENGINEERING TECHNOLOGY PROGRAM

### Computer Engineering Technology

**Specialization** Digital fundamentals  
Digital logic with Verilog design  
Advance chip design  
Microprocessor and microcontroller programming  
Basic computer organization and embedded systems  
Embedded Linux  
Linux device drivers

## BUSINESS ADMINISTRATION PROGRAM

### Marketing General

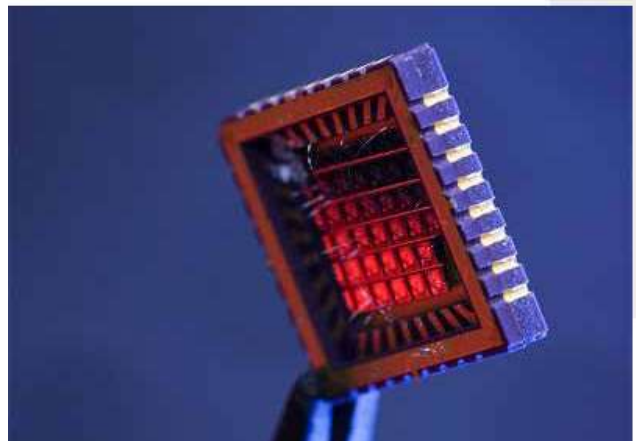
Principles of Marketing  
Marketing research  
Marketing strategy  
E-commerce  
Advertising  
Services Marketing  
Principles of Sales  
Retail and consumption  
International Marketing management  
Company foundation and operation management

### Business Management

Business  
Supervisor  
Accounting principles  
Human resource management  
Business laws and contracts  
Personal finance  
Organizational behavior  
Small business management

### International Business

International commerce and trading  
Imports and exports  
International Marketing management  
Small business management  
International supply chain management



### ENRICHMENT COURSES FOR ALL SPECIALIZATIONS:

ENT 1101	Entrepreneurship
DMK 1301	Digital Marketing
PA 1202	Plagiarism Awareness
ITSE 2457	Advanced Object-Oriented Programming
MBPR 1401	Mobile Programming (Swift)
ITCC 1404	Cisco Exploration 2-Routing Protocols and Concepts
ITCC 2408	Cisco Exploration 3-LAN Switching and Wireless
SPCH 1315	Public Speaking

## DIGITAL GAMING AND SIMULATION FOR PROGRAMMERS

### YEAR 1

#### First Semester

LEAD	1370	Workforce Leadership with Critical Thinking	3
GAME	1306	Design and Creation of Games	3
GAME	1379	Introduction to Game Programming	3
GAME	1378	Art for 2D Games	3

12

#### Second Semester

GAME	2347	Advanced Game Programming	3
GAME	2373	2D Game Programming	3
GAME	1304	Level Design I	3
GAME	2302	Mathematical Applications for Game Development	3

12

#### Third Semester

XXXX	#3##	Social/Behavioral Science General Ed Elective	3
XXXX	#3##	Humanities/Fine Arts General Ed. Elective	3

6

### YEAR 2

#### First Semester

GAME	2332	Project Development I	3
GAME	2319	Game Engine	3
GAME	2342	Game Development Using C++	3
GAME	2304	Level Design II	3
GAME	1314	College Algebra	3

15

#### Second Semester

GAME	2341	Game Scripting	3
ENGL	1301	Composition I	3
GAME	2334	Project Development II	3
XXXX	#3##	Math/ Natural Science General Ed. Elective	3
GAME	2308	Portfolio for Game Development	3

15

#### Program Total

60



## DIGITAL GAMING AND SIMULATION FOR ARTISTS

### YEAR 1

#### First Semester

LEAD	1370	Workforce Leadership with Critical Thinking	3
GAME	1306	Design and Creation of Games	3
GAME	1378	Art for 2D Games	3
GAME	1316	Drawing I	3
GAME	1336	Introduction to 3D Game Modeling	3
			<b>15</b>

#### Second Semester

ARTS	1317	Drawing II	3
GAME	1302	Interactive Storyboarding	3
GAME	1375	Principles of Game Concept Art	3
GAME	1304	Level Design I	3
GAME	2336	Lighting, Shading, and Texture	3
			<b>15</b>

#### Third Semester

XXXX	#3##	Math/Natural Science General Ed. Elective	3
XXXX	#3##	Social/Behavioral Science General Ed. Elective	3
			<b>6</b>

### YEAR 2

#### First Semester

GAME	1314	Character Sculpting	3
GAME	2332	Project Development I	3
GAME	1374	Introduction to 3D Game Animation	3
GAME	2304	Level Design II	3
			<b>12</b>

#### Second Semester

GAME	2325	3D Animation II-Character Setup	3
GAME	2334	Project Development II	3
GAME	2308	Portfolio for Game Development	3
ENGL	1301	Composition I	3
			<b>12</b>

**Program Total** **60**

## COMPUTER PROGRAMMING - APPLICATIONS DEVELOPMENT - JAVA

### YEAR 1

#### First Semester

LEAD	1370	Workforce Leadership with Critical Thinking	3
ENGL	1301	Composition I	3
MATH	1314	College Algebra	3
BCIS	1405	Business Computer Applications	4
COSC	1436	Programming Fundamentals I (with Java)	4

#### Second Semester

17

MATH	1324	Finite Mathematics with Applications	3
COSC	1437	Programming Fundamentals II (with Java)	4
ITSE	1346	Database Theory and Design	3
or [ ITSE	1345	Introduction to Oracle SQL	2
XXXX	#3##	General Education Elective	2

12

#### Third Semester

XXXX	#3##	Approved Humanities/Fine Arts/Gen. Ed. Elective	3
------	------	---	---

3

### YEAR 2

#### First Semester

ITSE	1456	Extensible Markup Language (XML)	4
COSC	2436	Programming Fundamentals III (with Java)	4
or [ ITSE	2354	Advanced Oracle PL/SQL	4
INEW	2438	Advanced Java Programming	4
XXXX	#3##	Program Approved Business Elective	3

15

#### Second Semester

INEW	2434	Advanced Web Programming	4
XXXX	#3##	Social/Behavioral Science/General Ed Elective	3
or [ ITSE	1380	Cooperative Education – Computer Programming/ Programmer, General	3
INEW	2332	Comprehensive Software Project: Coding, Testing, and Implementation	3
XXXX	#3##	Department Approved Business Elective	3

13

#### Program Total

60

## NETWORK SYSTEMS AND CYBER SECURITY SPECIALIZATION

### YEAR 1

#### First Semester

LEAD	1370	Workforce Leadership with Critical Thinking	3	
ENGL	1301	Composition I	3	
MATH	1341	College Algebra	3	
BCIS	1405	Computer Business Applications	4	
ITSC	1316	Linux Installation and Configuration OR	3	
or [	ITSC	1307	UNIX Operating System I	
				<b>16</b>

#### Second Semester

ITCC	1401	Cisco Exploration 1 - Network Fundamentals	4	
ITSC	1458	UNIX System Administration I	4	
ITSY	1342	Information Technology Security	3	
ITSC	1319	Internet/Web Page Development	3	
				<b>14</b>

#### Third Semester

ITNW	1313	Computer Virtualization	3	
SPCH	#3##	SPCH Elective, SPCH 1311, 1321 or 1315	3	
				<b>6</b>

### YEAR 2

#### First Semester

XXXX	#3##	Social/Behavioral Science General Ed. Elective	3	
ITSY	2330	Intrusion Detection	3	
ITSY	2401	Firewalls and Network Security	4	
ITMT	2371	Installing and Configuring Windows Server 2012	3	
				<b>13</b>

#### Second Semester

XXXX	#3##	Humanities/Fine Arts General Elective	3	
ITMT	2372	Administering Windows Server 2012	3	
ITNW	1380	Cooperative Education - Computer Systems Networking and Telecommunications	3	
ITSY	2443	Computer System Forensics	4	
				<b>13</b>

**Program Total** **62**

## COMPUTER SYSTEMS NETWORKING – MS ADMINISTRATION

### YEAR 1

#### First Semester

	LEAD	1370	Workforce Development with Critical Thinking	3
or [	ITSC	1309	Integrated Software Applications I	3
	BCIS	1405	Computer Business Applications	
	MATH	1314	College Algebra	3
	ITSC	1425	Personal Computer Hardware	4
	ITMT	1370	Windows Client Operating System	3
				<b>16</b>

#### Second Semester

	ENGL	1301	Composition I	3
	ITSY	1342	Information Technology Security	3
	ITMT	2371	Installing and Configuring Windows Server 2012	3
or [	ITNW	1425	Fundamentals of Networking Technologies	
	ITCC	1401	Cisco Exploration 1 - Network Fundamentals	4
				<b>13</b>

#### Third Semester

	SPCH	#3##	SPCH Elective, SPCH 1311, 1321 or 1315	3
	ITSC	1319	Internet/Web Page Development	3
				<b>6</b>

### YEAR 2

#### First Semester

	XXXX	#3##	Approved Social/Behavioral Science Elective	3
	ITNW	1313	Computer Virtualization	3
	ITMT	2372	Administering Windows Server 2012	3
	COSC	1436	Programming Fundamentals I	4
				<b>13</b>

#### Second Semester

	XXXX	#3##	Humanities/Fine Arts/General Education Elective	3
	ITMT	2373	Configuring Advanced Windows Server 2012	3
	ITSY	2330	Intrusion Detection	3
or [	ITNW	1380	Cooperative Education - Computer Systems	
			Networking and Telecommunications	3
	ITNW	2335	Network Troubleshooting and Support	
				<b>12</b>

**Program Total 60**

## COMPUTER ENGINEERING TECHNOLOGY SPECIALIZATION

### YEAR 1

#### First Semester

ENGR	1201	Introduction to Engineering	2
ENGL	1301	Composition I	3
MATH	1314	College Algebra	3
CETT	1321	Electronic Fabrication	3
CPMT	1449	Computer Networking Technology	4
			<b>15</b>

#### Second Semester

CETT	1403	DC Circuits	4
CETT	1425	Digital Fundamentals	4
MATH	1316	Plane Trigonometry	3
XXXX	#3##	Social/Behavioral Science General Ed. Elective	3
			<b>14</b>

#### Third Semester

PHYS	1401	College Physics I	4
			<b>4</b>

### YEAR 2

#### First Semester

CETT	1405	AC Circuits	4
CETT	1429	Solid State Devices	4
CETT	1431	Programming for Discrete Electronic Devices	4
XXXX	#3##	Humanities/Fine Arts General Ed. Elective	3
			<b>15</b>

#### Second Semester

XXXX	#4##	Program - Related Elective	4
XXXX	#4##	Program - Related Elective	4
CETT	1457	Linear Integrated Circuits**	4
			<b>12</b>

#### Program Total

**60**

\*\* The capstone course is CETT 1457 - Linear Integrated Circuits

## MARKETING GENERAL

The Marketing program will provide students with knowledge and abilities to pursue a career in marketing - which could mean marketing research, advertising, retailing or sales. The program offers a wide spectrum of courses in all aspects of marketing including services marketing. It is designed for anyone seeking entry-level employment in the field of Marketing as well as those who want to start business enterprises.

### YEAR 1

#### First Semester

	LEAD	1370	Workforce Leadership with Critical Thinking	3
	ENGL	1301	Composition I	3
	ECON	2302	Principles of Microeconomics	3
	MRKG	1311	Principles of Marketing	3
	MATH	1324	Finite Mathematics with Applications	3
or	[	XXXX	#3## Math/Natural Science Elective	3
				<b>15</b>

#### Second Semester

or	[	ENGL	1302	Composition II	3
		ENGL	2311	Technical Writing	
		MRKG	2312	E-Commerce	3
or	[	MRKG	2371	Services Marketing	3
		MRKG	1391	Special Topics in Business Marketing and Management	
		BUSG	1301	Introduction to Business	3
or	[	ACNT	1303	Introduction to Accounting I	3
		ACCT	2301	Principles of Accounting I	
					<b>15</b>

### YEAR 2

#### First Semester

	BMGT	1327	Principles of Management	3
	MRKG	2372	Consumer Behavior	3
	MRKG	2333	Principles of Selling	3
	MRKG	2380	Cooperative Education I- Marketing/Marketing Management, General	3
				<b>12</b>

#### Second Semester

	MRKG	2348	Marketing Research and Strategies	3
	MRKG	2374	Marketing Case Studies	3
	HRPO	1311	Human Relations	3
	IBUS	1354	International Marketing Management	3
	MRKG	2349	Advertising and Sales Promotion	3
	XXXX	#3##	Approved Humanities/Fine Arts Elective	3
				<b>18</b>

**Program Total 60**

## BUSINESS MANAGEMENT

The Management program provides up-to-date management skills for the business and industrial community and anyone seeking first line business positions as well as upgrading the skills of those presently in the industry.

### YEAR 1

#### First Semester

	LEAD	1370	Workforce Leadership with Critical Thinking	3
	BUSG	1301	Introduction to Business	3
	BMGT	1327	Principles of Management	3
or	[ ENGL	1301	Composition I	3
	ETWR	1302	Introduction to Technical Writing	
or	[ MATH	1324	Finite Mathematics with Applications	3
	XXXX	#3##	Math/Natural Science General Ed. Elective	
				<b>15</b>

#### Second Semester

	BMGT	1301	Supervision	3
	HRPO	1311	Human Relations	3
	XXXX	#3##	Computer Applications Elective*	3
	XXXX	#3##	Humanities/Fine Arts Elective	3
or	[ ACNT	1303	Introduction to Accounting I	3
	ACCT	2301	Principles of Accounting I	
				<b>15</b>

### YEAR 2

#### First Semester

	MRKG	1311	Principles of Marketing	3
	XXXX	#3##	General Education Elective	3
	BUSG	1370	Personal Financial Planning	3
or	[ BUSG	2305	Business Law/Contracts	3
	BUSI	2301	Business Law I	
	HRPO	2301	Human Resource Management	3
				<b>15</b>

#### Second Semester

or	[ HRPO	2307	Organizational Behavior	3
	BMGT	1341	Business Ethics	
	ECON	2302	Principles of Economics	3
	BUSG	2380	Cooperative Educ. Business/Commerce General	3
	XXXX	#3##	General Education Elective	3
	BUSG	2309	Small Business Management/Entrepreneurship	3
				<b>15</b>

#### Program Total

**60**

\* The Computer Applications Elective may be chosen from the following courses: ITSC 1309 Introduction to Computers, POFI 1301 Computer Applications I, or BCIS 1405 Business Computer Applications.

## INTERNATIONAL BUSINESS

The International Business program will provide the student with the knowledge and ability to apply individual technical skills necessary to pursue a career in areas such as freight forwarding, shipping, international logistics management and other areas involved in import/export.

### YEAR 1

#### First Semester

LEAD	1370	Workforce Leadership with Critical Thinking	3
ENGL	1301	Composition I	3
BUSG	1301	Introduction to Business	3
MATH	1324	Finite Mathematics with Applications	3
MRKG	2312	E-Commerce	3
			<b>15</b>

#### Second Semester

IBUS	1301	Principles of Exports	3
XXXX	#3##	Approved Humanities/Fine Arts Elective	3
IBUS	1305	Introduction to International Business and Trade	3
IBUS	1370	Economic Geography	3
IBUS	1341	Global Supply Chain Management	3
			<b>15</b>

### YEAR 2

#### First Semester

	SPCH	1321	Business and Professional Speaking	3	
	IBUS	1302	Principles of Imports	3	
	IBUS	1354	International Marketing Management	3	
	ECON	2302	Principles of Economics (Micro)	3	
or	[	IBUS	2339	International Banking and Finance	3
		LMGT	1319	Introduction to Business Logistics	
					<b>15</b>

#### Second Semester

	IBUS	2335	International Business Law	3	
	IBUS	1300	Global Logistics Management	3	
	IBUS	1373	Entrepreneurship and Economic Development	3	
or	[	IBUS	2280	Cooperative Education - International Business/ Trade/Commerce	2
		IBUS	1391	Special Topics in International Business	
		IBUS	2341	Intercultural Management	3
		IBUS	1191	CGBP Preparation Exam	1
					<b>15</b>

**Program Total** **60**



# COURSE DESCRIPTIONS

## **ACCT 2301 Principles of Financial Accounting**

Credits: 3 (3 lecture)

This course covers the fundamentals of financial accounting, including double-entry accounting and the accounting cycle. Other topics include cash, receivables, inventories, plant assets, liabilities, partnerships, corporation, investments, statement of cash flows and interpretation of financial statements.

## **ACNT 1303 Introduction to Accounting I**

Credits: 3 (3 lecture)

A study of analyzing, classifying, and recording business transactions in a manual and computerized environment. Emphasis on understanding the complete accounting cycle and preparing financial statements, bank reconciliations, and payroll. Coverage also includes the fundamental principles of double-entry bookkeeping, financial statements, trial balances, worksheets, special journals, adjusting entries and closing entries.

## **BCIS 1305 Business Computer Applications**

Credits: 3 (3 lecture, 3 lab)

Computer terminology, hardware, software, operating systems, and information systems relating to the business environment. The main focus of this course is on business applications of software, including word processing, spreadsheets, databases, presentation graphics, and business-oriented utilization of the Internet.

## **BMGT 1301 Supervision**

Credits: 3 (3 lecture)

A study of the role of the supervisor. Managerial functions as applied to leadership, counseling, motivation, and human skills are examined.

## **BMGT 1327 Principles of Management**

Credits: 3 (3 lecture)

Concepts, terminology, principles, theories, and issues in the field of management.

## **BMGT 1341 Business Ethics**

Credits: 3 (3 lecture)

Discussion of ethical issues, the development of a moral frame of reference, and the need for an awareness of social responsibility in management practices and business activities. Includes ethical corporate responsibility.

## **BUSG 1301 Introduction to Business**

Credits: 3 (3 lecture)

Fundamental business principles including structure, functions, resources, and operational processes.

## **BUSG 1307 Entrepreneurship and Economic Development**

Credits: 3 (3 lecture).

Overview of entrepreneurship as an economic development strategy. Includes community support systems for entrepreneurs.

## **BUSG 1370 Personal Financial Planning**

Credits: 3 (3 lecture)

An exploration of financial planning that emphasizes topics of personal interest but also have application to business financial planning topics. Topics include budgeting, bank accounts and account reconciliation, individual retirement accounts, loans, investments, debt management, real estate, insurance, wills, trusts, and taxes.

**BUSG 2305 Business Law / Contracts**

Credits: 3 (3 lecture)

Principles of law which form the legal framework for business activity including applicable statutes, contracts, and agency.

**BUSG 2380 Cooperative Education - Business / Commerce -**

**General** Credits: 3 (1 lecture, 20 lab)

Career-related activities encountered in the student area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component.

**COSC 1436 Programming Fundamentals I**

Credits: 4 (3 lecture, 3 lab)

Introduces the fundamental concepts of structured programming and provides a comprehensive introduction to programming for computer science and technology majors. Topics include software development methodology, data types, control structures, functions, arrays, and the mechanics of running, testing, and debugging. This course assumes computer literacy. This course is included in the Field of Study Curriculum for Computer Science. Core curriculum course.

**COSC 1437 Programming Fundamentals II**

Credits: 4 (3 lecture, 3 lab)

This course focuses on the object-oriented programming paradigm, emphasizing the definition and use of classes along with fundamentals of object-oriented design. The course includes basic analysis of algorithms, searching and sorting techniques, and an introduction to software engineering processes. Students will apply techniques for testing and debugging software.

**COSC 2436 Programming Fundamentals III**

Credits: 4 (3 lecture, 3 lab)

Further applications of programming techniques, introducing the fundamental concepts of data structures and algorithms. Topics include recursion, fundamental data structures (including stacks, queues, linked lists, hash tables, trees, and graphs), and algorithmic analysis.

**DRAM 1351 - Acting I**

Credits: 3 (2 lecture, 2 lab). An introduction to the problems of internal acting technique, creation of visual images, reaction to stimulus, and creation of inner life of character. Scene work: finding beats, developing subtext, and playing intentions. Theatre attendance and/or assistance in college productions required. Required of majors. Open to non-majors. Core Curriculum Course.

**ECON 2302 Principles of Microeconomics**

Credits: 3 (3 lecture)

Microeconomics examines the fundamentals of the American economy as it relates to business and individual welfare. Emphasis is on basic concepts and theories as they affect domestic and international markets. Microeconomics includes cost and production decisions and discusses the role of competition, monopolies and oligopolies. Core Curriculum Course.

**EDUC 1300 Learning Framework**

Credits: 3 (3 lecture)

EDUC 1300 is a study of the research and theory in the psychology of learning, cognition, and motivation; factors that impact learning; and application of learning strategies. Theoretical models of strategic learning, cognition, and motivation serve as the conceptual basis for the introduction of college-level student academic strategies. In addition, the course focuses on numerous college, career, and life management topics necessary for students to make the most of their college investment. Core curriculum course.

**ENGL 1301 Composition I**

Credits: 3 (3 lecture)

Intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis. Note: ENGL 1301 is a pre-requisite for all 2000-level literature courses. Core Curriculum Course.

**HRPO 1311 Human Relations**

Credits: 3 (3 lecture)

Practical application of the principles and concepts of the behavioral sciences to interpersonal relationships in the business and industrial environment.

**HRPO 2301 Human Resources Management**

Credits: 3 (3 lecture)

Behavioral and legal approaches to the management of human resources in organizations.

**HRPO 2307 Organizational Behavior**

Credits: 3 (3 lecture)

The analysis and application of organizational theory, group dynamics, motivation theory, leadership concepts and the integration of interdisciplinary concepts from the behavioral sciences.

**HUMA 1301 - Introduction to Humanities I**

Credits: 3 (3 lecture)

This stand-alone course is an interdisciplinary survey of cultures focusing on the philosophical and aesthetic factors in human values with an emphasis on the historical development of the individual and society and the need to create. This course satisfies the Creative Arts or Component Area Option of the HCC core.

**IBUS 1191 Special Topics in International Business - CGBP**

**Preparation Exam** Credits: 1 (1 lecture)

This course prepares students to sit for the Certified Global Business Professional (CGBP) credential exam. The CGBP designation is recognized internationally as a professional credential for people who work in all fields related to international trade. This course must be taken in the last semester of any International Business program and it was designed to be repeated multiple times to improve student proficiency.

**IBUS 1291 Special Topics in International Business**

Credits: 2 (1 lecture, 10 lab)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency.

**IBUS 1300 Global Logistics Management**

Credits: 3

Global logistics, management processes, procedures, and regulations used in transportation, physical distribution, warehousing, inventory control, materials handling, packaging, plant and warehouse location, risk management, customer service, and networks for logistics, suppliers, and information. Includes decision making and case resolution techniques to solve problems and to develop logistical and information networks for supply chain management appropriate for global corporations.

**IBUS 1301 Principles of Exports**

Credits: 3 (3 lecture)

Export management processes and procedures. Includes governmental controls and compliance, licensing of products, documentation, commercial invoices, and traffic procedures. Emphasizes human and public relations, management of personnel, finance, and accounting procedures.

**IBUS 1302 Principles of Imports**

Credits: 3 (3 lecture)

Practices and processes of import management operations. Includes government controls and compliance. Emphasizes the preparation and understanding of import documents such as customs invoices, packing lists, and commercial invoices.

**IBUS 1305 Introduction to International Business and Trade**

Credits: 3 (3 lecture)

The techniques for entering the international marketplace. Emphasis on the impact and dynamics of sociocultural, demographic, economic, technological, and political-legal factors in the foreign trade environment. Topics include patterns of world trade, internationalization of the firm, and operating procedures of the multinational enterprise.

**IBUS 1341 Global Supply Chain Management**

Credits: 3 (3 lecture)

International purchasing or sourcing. Includes the advantages and the barriers of purchasing internationally, global sourcing, procurement technology, and purchasing processes. Emphasizes issues of contract administration, location, and evaluation of foreign suppliers, total cost approach, exchange fluctuations, customs procedures, and related topics.

**IBUS 1354 International Marketing Management**

Credits: 3 (3 lecture)

Analysis of international marketing strategies using market trends, costs, forecasting, pricing, sourcing and distribution factors. Development of an international export/import marketing plan.

**IBUS 1370 Economic Geography**

Credits: 3 (3 lecture)

A study of material management, government regulations and distribution systems throughout the world as related to economic factors regarding agriculture, manufacturing, and materials utilization.

**IBUS 2280 Cooperative Education - International Business / Trade / Commerce**

Credits: 2 (1 lecture, 10 lab)

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. \*\*Requires Departmental approval

**IBUS 2335 International Business Law**

Credits: 3 (3 lecture)

A course in law as it applies to international business transactions in the global political-legal environment. Study of inter-relationships among laws of different countries and the legal effects on individuals and business organizations. Topics include agency agreements, international contracts and administrations, regulations of exports and imports, technology transfers, regional transactions, intellectual property, product liability, and legal organization.

### **IBUS 2339 International Banking and Finance**

Credits: 3 (3 lecture)

A course in international monetary systems, financial markets, flow of capital, foreign exchange, and financial institutions. Topics include export-import payments and financing the preparation of letters of credit, related shipping documentation, and electronic transfers. An introduction to multinational financial decisions, such as financing foreign investment or working capital.

### **IBUS 2341 Intercultural Management**

Credits: 3 (3 lecture)

Cross-cultural comparisons of management and communications processes. Emphasizes cultural geographic distinctions and antecedents that affect individual, group, and organizational behavior. May include sociocultural demographics, economics, technology, political-legal issues, negotiations, and processes of decision making in the international cultural environment.

### **INEW 2332 Comprehensive Software Project: Coding, Testing, and Implementation**

Credits: 3 (2 lecture, 4 lab)

A comprehensive application of skills learned in previous semesters in a simulated workplace. Includes coding, testing, maintenance, and documentation of a complete software and/or hardware solution. This course may be used as a capstone course for a certificate or degree.

### **INEW 2434 Advanced Web Programming**

Credits: 3 (2 lecture, 4 lab)

Web programming using industry-standard languages and data stores.

### **INEW 2438 Advanced Java Programming**

Credits: 4 (2 lecture, 4 lab)

A continuation of advanced JAVA programming techniques such as servlets and advanced graphical functions.

### **ITCC 1414 CCNA 1: Introduction to Networks**

Credits: 4 (2 lecture, 4 lab)

This course covers networking architecture, structure, and functions; introduces the principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations to provide a foundation for the curriculum.

### **ITMT 1357 Administering a Windows Server Operating System**

Credits: 3 (2 lecture, 4 lab). A study of administrative tasks needed to maintain a Windows Server operating system including user and group management, network assess and data security. Topics include how to implement, configure and manage Group Policy infrastructure, Group Policy objects (GPOs) using links, security groups, WMI filters, loopback processing, preference targeting and troubleshooting policy application.

### **ITMT 1305 Configuring Advanced Window Server Operating Systems**

Credits: 3 (2 lecture, 4 lab)

Advanced configuration tasks required to deploy, manage, and maintain a Windows Server operating system infrastructure. Additional topics include fault tolerance, certificate services, and identity federation.

### **ITMT 1358 Windows Client Operating System**

Credits: 3 (2 lecture, 4 lab)

A study of Windows operating system; installation, configuration, and troubleshooting; file management; users accounts and permissions; security features; network connectivity; setup of external devices; optimization and customization; and deployment of application, with hand-on experience.

**ITMT 1371 - Windows 7 Configuration**

Credits: 3 (2 lecture, 4 lab).

A study of Windows 7 operating system; installation, configuration, and troubleshooting; file management; users accounts and permissions; security features; network connectivity; setup of external devices; optimization and customization; and deployment of application, with hands-on experience.

**ITMT 2305 Designing and Implementing a Server**

**Infrastructure** Credits: 3 (2 lecture, 4 lab)

This course covers planning and deploying a server infrastructure; designing and implementing network infrastructure services; designing and implementing network access services and Active Directory infrastructure.

**ITNW 1425 Fundamentals of Networking**

**Technologies** Credits: 4 (2 lecture, 4 lab)

Instruction in networking technologies and their implementation. Topics include the OSI reference model, network protocols, transmission media, and networking hardware and software.

**ITNW 1313 Computer Virtualization**

Credits: 3 (2 lecture, 4 lab)

Implement and support virtualization of clients of servers in a networked computing environment. This course explores installation, configuration, and management of computer virtualization workstation and servers.

**ITNW 1380 Cooperative Education - Computer Systems Networking & Telecommunications**

Credits: 3

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component.

**ITNW 2335 Network Troubleshooting and Support**

Credits: 3 (2 Lecture, 4 lab)

Troubleshoot and support networks with emphasis on solving real world problems in a hands-on environment. Topics include troubleshooting and research techniques, available resources, and network management hard/software.

**ITSC 1307 UNIX Operating System I**

Credits: 3 (2 lecture, 4 lab)

A study of the UNIX operating system including multi-user concepts, terminal emulation, use of system editor, basic UNIX commands, and writing script files. Topics include introductory systems management concepts.

**ITSC 1309 Integrated Software Applications I**

Credits: 3 (2 lecture, 2 lab)

Integration of applications from popular business productivity software suites. Instruction in embedding data, linking and combining documents using word processing, spreadsheets, databases, and/or presentation media software. Emphasis is on developing end-user proficiency skills for the workplace.

**ITSC 1319 Internet / Web Page Development**

Credits: 3 (2 lecture, 4 lab)

Instruction in the use of Internet concepts and the introduction to web page design and web site development.

**ITSC 1425 Personal Computer Hardware**

Credits: 4 (2 lecture, 4 lab)

Current personal computer hardware including assembly, upgrading, setup, configuration, and troubleshooting.

**ITSE 1346 Database Theory and Design**

Credits: 3 (2 lecture, 4 lab)

Introduction to the analysis and utilization of data requirements and organization into normalized tables using the four normal forms of database design.

**ITSE 1380 Cooperative Education - Computer**

**Programming/Programmer, General** Credits: 3 (1 lecture, 20 lab)

Career-related activities encountered in the student area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component.

**ITSE 2402 Intermediate Web Programming**

Credits: 4 (2 lecture, 4 lab)

Server-side and client-side techniques for Web development.

**ITSY 1342 Information Technology Security**

Credits: 3 (2 lecture, 4 lab)

Instruction in security for network hardware, software, and data, including physical security; backup procedures; relevant tools; encryption; and protection from viruses.

**ITSY 1491 Special Topics in Computer Systems Network & Telecommunications**

Credits: 4

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the information security technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency.

**ITSY 2330 Intrusion Detection**

Credits: 3 (2 lecture, 4 lab)

Computer information systems security monitoring, intrusion detection, and crisis management. Includes alarm management, signature configuration, sensor configuration, and troubleshooting components. Emphasizes identifying, resolving, and documenting network crises and activating the response team.

**ITSY 2471 Cyber Competitions**

Credits: 4 (3 lecture, 3 lab)

This course provides an in-depth understanding of how to effectively protect computer networks. Students will learn the tools and penetration testing methodologies used by ethical hackers.

**ITSY 2401 - Firewalls and Network Security**

Credits: 4 (3 lecture, 3 lab)

Identify elements of firewall design, types of security threats and responses to security attacks. Use Best Practices to design, implement, and monitor a network security plan. Examine security incident postmortem reporting and ongoing network security activities.

**ITSY 2443 Computer System Forensics**

Credits: 4 (3 lecture, 3 lab)

In-depth study of system forensics including methodologies used for analysis of computer security breaches. Gather and evaluate evidence to perform postmortem analysis of a security breach.

**MATH 1314 College Algebra**

Credits: 3 (3 lecture)

Topics include quadratics, polynomial, rational, logarithmic and exponential functions, system of equations, progression, sequences and series, matrices and determinants. A departmental final examination will be given in this course. Core Curriculum Course.

**MATH 1324 Mathematics for Business & Social**

**Sciences** Credits: 3 (3 lecture)

A survey of finite mathematics and its application to problems of business and the natural and social sciences. Topics include set theory, probability, an introduction to matrices, linear programming, and an introduction to statistics. Core Curriculum Course.

**MRKG 1302 Principles of Retailing**

Credits: 3 (3 lecture)

Introduction to the retailing environment and its relationship to consumer demographics, trends, and traditional/nontraditional retailing markets. The employment of retailing techniques and the factors that influence modern retailing.

**MRKG 1311 Principles of Marketing**

Credits: 3 (3 lecture)

Introduction to the marketing functions: identification of consumer and organizational needs; explanation of economic, psychological, sociological, and global issues; and description and analysis of the importance of marketing research.

**MRKG 1391 Special Topics in Business Marketing and**

**Management** Credits: 3 (3 lecture)

Sports and Entertainment Marketing introduces the basic principles of marketing, economic impact, the History, Civilization, of sports and entertainment, careers, as well as legal and business risks involved in the industry. Students will also learn characteristics and buying behaviors of sports consumers as well as entertainment consumers

**MRKG 2312 E-Commerce Marketing**

Credits: 3 (3 lecture)

This course is an introduction to various e-commerce tools for marketing, communications, market analysis and customer feedback techniques.

**MRKG 2333 Principles of Selling**

Credits: 3 (3 lecture)

Overview of the selling process. Identification of the elements of the communication process between buyers and sellers. Examination of the legal and ethical issues of organizations which affect salespeople.

**MRKG 2348 Marketing Research and Strategies**

Credits: 3 (3 lecture)

A simulated marketing environment for experience in marketing decision-making. Provides practical experiences in analyzing marketing cases. Includes dynamic interrelationships among marketing price, channels of distribution, promotion, and product responsibility.

**MRKG 2349 Advertising and Sales Promotion**

Credits: 3 (3 lecture)

Integrated marketing communications. Includes advertising principles and practices. Emphasizes multi-media of persuasive communication including buyer behavior, budgeting, and regulatory constraints.



**MRKG 2371 Services Marketing**

Credits: 3 (3 lecture)

An analysis of the principles, methods and problems of marketing for both professional and consumer services. A study of competition, customer service, services design, pricing, services promotion and distribution strategies.

**MRKG 2372 Consumer Behavior**

Credits: 3 (3 lecture)

A study of buyer motives, reference groups, social class, culture, and family and social interrelationships are examined.

**MRKG 2374 Marketing Case Studies**

Credits: 3 (3 lecture)

A study of marketing problems and challenges through the use of case histories and actual marketing situations involving advertising, prices, distribution, product selection, client or consumer behavior, marketing training, market segmentation and international marketing.

**MRKG 2380 Cooperative Education - Marketing /Marketing Management, General** Credits: 3 (1 lecture, 20 lab)

Career-related activities encountered in the student area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component.

**SOCI 1301 - Introduction to Sociology**

Credits: 3 (3 lecture)

A survey course which focuses on the nature of human groups in American and world societies, their social and cultural adaptations, and the impact which various social processes may have on their social organization and social change. This course satisfies the Social and Behavioral Sciences or Component Area Option of the HCC core.

**SPCH 1315 - Public Speaking**

Credits: 3 (3 lecture)

Designed to develop proficiency in public speaking situations; emphasis on content, organization, and delivery of speeches for various occasions. Open to all students. Required for speech majors. Core Curriculum Course.

**SPCH 1321 - Business and Professional Communication** Credits: 3 (3 lecture)

Applies the techniques of oral communication to situations most common to business and professional people. Covers discussion methods, conference techniques, committee reports, instructions, lectures, and public speeches. Open to all students. Required for speech majors. Core Curriculum Course.



## INTERNATIONAL INTERNSHIPS

SaigonTech students are encouraged to join real companies and work like full time employees to apply their knowledge and skills learnt at school, forming professional working manner in an international environment, which is the certain requirement of any global citizen, during the professional internship in Europe and Japan. This precious working experience will be the student's biggest competitive advantage on their road to a global success in the future.

### 5 Key Attributes of the program.

- Professional working environment
- Internship position according to major
- Paid salary (depends on country of destination)
- Accumulated working experience, professional skills, and communication skills in international environment.
- Opportunity to live in Europe and Japan to gain living experience, an open mind, ability to adapt, and mature as a global citizen with the most affordable cost.

## COMMENCEMENT CEREMONY IN AMERICA

Upon completion of the program, SaigonTech students attend the graduation ceremony and receive an AAS degree at Houston Community College, Texas, USA. The trip is totally sponsored by SaigonTech. This is a chance to communicate with native professors and students, and have memorable life experience in the US. This trip will be a meaningful and unforgettable memory for any students and invaluable experience for their international integration in the future.



*“SaigonTech is the place that gives me the big picture of Marketing, the road that I chose to walk on. There will be no other institution where students internships receive such great care of the instructors like at SaigonTech. And I really am grateful for this, thanks to the school introduction and the devotion of the instructors, I got a good internship, then was recruited at Havas Media Corp. right after graduating SaigonTech in June 2015 when I was only 21.”*



*Huynh Xuan Trang,  
Marketing graduate,  
Marketing Specialist  
at Havas Media Corp.*

## INTERNATIONAL CAREER AND STUDY DEVELOPMENT

### Starting at work

The knowledge, creative and independent thinking skills accumulated during the study at SaigonTech and the international intership in Europe and Japan helps students adapt easily into professional working environments and become the key personnel of any domestic and international companies. Moreover, the partner companies and successful SaigonTech alumni network at international corporations will be the bridge for students to reach the best working opportunities, laid out the road to future success.

### Study abroad

The standardized American education quality of Houston Community College program at SaigonTech helps students:

- Continue their studies with American universities easily
- Getting valuable scholarships from prestigious American universities



*Pham Vu Thien Kim,  
Customer Service Agent,  
T-Mobile, Houston, Texas, USA*

*My major knowledge, dynamism, and English fluency eased my integration into a new-to-me community when I moved to the USA*

*Thanks to HCC's degree, I was quickly offered a job at T-Mobile – a leading operator in the telecommunication industry, Houston, Texas, USA*

# STUDENT SERVICES



**Student Service Office (SSO)** exists to help students develop creative ideas and implement those ideas. SSO also organizes a wide variety of clubs including Multimedia club, Drama club, Music club, English club etc. together with extra activities such as English contest, Art show, charity activities etc. to enable students to develop their skills comprehensively, get more immersed in student life, expand their network and increase their connectivity with the community.



**OOPS office** offers free, confidential one-to-one/group counselling services and free workshops to help students walk through their difficulties, including academic concerns, for example, grades, study skills, problems with instructors etc., and personal concerns, for instance, career development, personal self-assessment, and mental health to name a few.

**Facility:** Modern robot lab, mobile lab, and electronic lab for students to practice and experiment. The library is equipped with twenty thousands book titles and HCC electronic library system. SaigonTech has a multipurpose gym hall, a movie theatre, a canteen inside the building, several football fields and a basketball court next to the campus in the software city.







-  Lot 14, Road 5, Quang Trung Software City, Dist.12, HCMC
-  (84)028 37 155 033 - (84) 9 150
-  150 88 info@saigontech.edu.vn
-  saigontech.edu.vn
-  facebook.com/saigontech
-  youtube.com/saigontech

