



## ACADEMIC TRANSCRIPT

Full name of student : NGUYEN BA TUAN

Student ID : 21207114

Date of birth : April 22, 2003

Program : Bachelor of Science

Place of birth :

Major: Electronics - Telecommunications Engineering

### Term 1 School-year 2021-2022

Course title	Credits	Class	Points	Courses	Credits	Class	Points
BAA00101 Marxist-Leninist Philosophy	3,0	21DT	8,0	ETC00013 Introduction to Electronics and Telecommunications	2,0	21DT	7,5
ETC00015 Programming Technique of Electronics - Telecommunication Branch	3,0	21DT	8,5	MTH00003 Calculus IB	3,0	21DT	8,5

Point average : 8,18

### Term 2 School-year 2021-2022

Course title	Credits	Class	Points	Courses	Credits	Class	Points
BAA00021 Gymnastics 1	2,0	21DT	8,0	CSC00003 Introduction to Informatics	3,0	21DT	7,7
ETC00001 Basic Electronics	3,0	21DT	8,0	ETC00081 Basic Electronics Lab	1,0	21DT	7,0
MTH00004 Calculus 2B	3,0	21DT	6,0	PHY00002 General physics 2 (Electromagnetic - Optics)	3,0	21DT	6,0

Point average : 6,70

### Term 3 School-year 2021-2022

Course title	Credits	Class	Points	Courses	Credits	Class	Points
BAA00007 Creativity Methods	2,0	21DT	4,5	BAA00022 Gymnastics 2	2,0	21DT	7,2
BAA00030 National Defence Education	4,0	21DT	6,9	ENV00001 Fundamental of Environmental Science	2,0	21DT	8,0
ETC00002 Digital Electronics	2,0	21DT	5,5	ETC00084 Digital Electronics Lab	1,0	21DT	8,5
MTH00030 Linear Algebra	3,0	21DT	7,3	PHY00004 Modern Physics	3,0	21DT	7,7

Point average : 6,88

### Term 1 School-year 2022-2023

Course title	Credits	Class	Points	Courses	Credits	Class	Points
BAA00004 General law	3,0	21DT	8,0	BAA00102 Marxist-Leninist Political Economics	2,0	21DT	6,5
ETC00006 Analog Electronics	2,0	21DT	6,5	ETC00020 Signals and Systems	2,0	21DT	5,0
ETC00083 Analog Electronics Lab	1,0	21DT	5,0	MTH00040 Probability and Statistics	3,0	21DT	8,0

Point average : 6,85

### Term 2 School-year 2022-2023

Course title	Credits	Class	Points	Courses	Credits	Class	Points
BAA00103 Scientific Socialism	2,0	21DT	8,1	ETC10005 Computer Structure	3,0	21DT	5,0
ETC10006 Computer Structure Lab	1,0	21DT	2,0	ETC10007 Basic Computer Networks	2,0	21DT	5,8
ETC10008 Basic Computer Networks Lab	1,0	21DT	6,5	ETC10009 Microcontroller	2,0	21DT	5,3
ETC10010 Microcontroller Lab	1,0	21DT	0,5				

Point average : 5,20



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### Term 3 School-year 2022-2023

Course title	Credits	Class	Points	Courses	Credits	Class	Points
BAA00003 HoChiMinh's Ideology	2,0	21DT	7,0	BAA00007 Creativity Methods	2,0	22DT	6,6
ETC00021 Sensors, Measurement and Instrumentation	2,0	21DT	6,6	ETC00085 Sensors, Measurement and Instrumentation Lab	1,0	21DT	5,0
ETC10013 Digital Signal Processing	3,0	21DT	7,1	ETC10014 Digital Signal Processing Lab	1,0	21DT	6,1
ETC10234 Data Structure and Algorithms	2,0	21DT	6,0	ETC10235 Data Structure & Algorithms Lab	1,0	21DT	7,0

Point average : 6,56

### Term 1 School-year 2023-2024

Course title	Credits	Class	Points	Courses	Credits	Class	Points
BAA00104 History of Vietnamese Communist Party	2,0	21DT	8,1	ETC10006 Computer Structure Lab	1,0	19DT	8,5
ETC10015 Communication Systems	3,0	21DT	7,4	ETC10016 Communication Systems Lab	1,0	21DT	8,0
ETC10017 Programmable Logic Design	3,0	21DT	5,6	ETC10020 Numerical Analysis	3,0	21DT	7,2
ETC10021 Numerical Analysis Lab	1,0	21DT	8,3				

Point average : 7,26

### Term 2 School-year 2023-2024

Course title	Credits	Class	Points	Courses	Credits	Class	Points
ETC10010 Microcontroller Lab	1,0	22DT	9,4	ETC10018 Programmable Logic Design Lab	1,0	21DT	7,8
ETC10124 Data Communications	2,0	21DT	7,4	ETC10125 Digital and Data Communications Lab	1,0	21DT	7,2
ETC10191 Writing and Presenting Scientific Papers in English	2,0	21DT	8,8	ETC10206 Object-oriented Programming	2,0	21DT	7,6
ETC10207 Object-oriented Programming Lab	1,0	21DT	0,0	ETC10301 Digital Communications	2,0	21DT	7,2

Point average : 7,20





VIETNAM NATIONAL UNIVERSITY - HCMC  
UNIVERSITY OF SCIENCE

SOCIALIST REPUBLIC OF VIETNAM  
Independence - Freedom - Happiness

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### Term 3 School-year 2023-2024

Course title	Credits	Class	Points	Courses	Credits	Class	Points
ETC10122 VLSI Design	3,0	21DT	6,3	ETC10123 VLSI Design Lab	1,0	21DT	6,8
ETC10126 Antennas and Wave Propagation	2,0	21DT	3,4	ETC10127 Entrepreneurship and Management	2,0	21DT	7,7
ETC10307 Network Technology	2,0	21DT	6,1	ETC10308 Network Technology Lab	1,0	21DT	0,0

Point average : 5,46

Ho Chi Minh City, October 7, 2024

BY ORDER OF RECTOR

DEPUTY HEAD OF ACADEMIC AFFAIRS OFFICE



PHAM THI THUAN

