

# NATIONAL UNIVERSITY OF SINGAPORE



**This is to certify that**

***ONG HAN WEI***

**having fulfilled the requirements prescribed  
by the University was conferred the degree of**

**BACHELOR OF COMPUTING  
(COMPUTER SCIENCE)  
WITH HONOURS (DISTINCTION)**

**on**

**30 June 2025**



  
*Chair, Board of Trustees*

  
*President*



# NATIONAL UNIVERSITY of SINGAPORE

## OFFICIAL TRANSCRIPT

**NAME:** ONG HAN WEI **STUDENT NO.:** A0234074L **DATE OF BIRTH:** 13/04/2000 **DATE ISSUED:** 02/07/2025

DEGREE CONFERRED:	BACHELOR OF COMPUTING (COMPUTER SCIENCE) WITH HONOURS (DISTINCTION)	COURSE	GRADE	UNITS
GRADE POINT AVERAGE:	4.34	CS2101	B+	4.00
CUMULATIVE UNITS:	164.00	CS2102	B	4.00
ADMISSION DATE:	02/08/2021	CS2103T	A-	4.00
CONFIRMATION DATE:	30/06/2025	QF1100	A-	4.00
SECOND MAJOR:	QUANTITATIVE FINANCE			

**BACHELOR OF COMPUTING (COMPUTER SCIENCE)**  
**GRADE POINT AVERAGE: 4.27**

**COURSE** **GRADE** **UNITS**

### ACADEMIC YEAR 2021/2022 SEMESTER 1

CS1101S	PROGRAMMING METHODOLOGY
CS1231S	DISCRETE STRUCTURES
ES1103	ENGLISH FOR ACADEMIC PURPOSES
IS1103	ETHICS IN COMPUTING
MA2001	LINEAR ALGEBRA I

**BACHELOR OF COMPUTING (COMPUTER SCIENCE)**  
**GRADE POINT AVERAGE: 4.17**

### ACADEMIC YEAR 2021/2022 SEMESTER 2

CFG1002	CAREER CATALYST
CS1010R	PROGRAMMING METHODOLOGY
CS2030S	PROGRAMMING METHODOLOGY II
CS2040S	DATA STRUCTURES AND ALGORITHMS
ES2660	COMMUNICATING IN THE INFORMATION AGE
GEA1000	QUANTITATIVE REASONING WITH DATA
MA1521	CALCULUS FOR COMPUTING
PC1432	PHYSICS IIE

**BACHELOR OF COMPUTING (COMPUTER SCIENCE)**  
**GRADE POINT AVERAGE: 4.24**

### ACADEMIC YEAR 2022/2023 SEMESTER 1

CS2100	COMPUTER ORGANISATION
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### ACADEMIC YEAR 2022/2023 SEMESTER 2

CFG1003	FINANCIAL WELLBEING-INTRODUCTION	CS	-
CS2109S	INTRODUCTION TO AI AND MACHINE LEARNING	A	4.00
CS3230	DESIGN AND ANALYSIS OF ALGORITHMS	B-	4.00
GEC1001	CHINESE MUSIC, LANGUAGE AND LITERATURE (IN ENGLISH)	B+	4.00
GESS1025	SINGAPORE: IMAGINING THE NEXT 50 YEARS	CS	4.00
PLS8004	OPTIMIZING PERFORMANCE	CS	1.00
ST2334	PROBABILITY AND STATISTICS	B+	4.00

**BACHELOR OF COMPUTING (COMPUTER SCIENCE)**  
**GRADE POINT AVERAGE: 4.20**

### ACADEMIC YEAR 2022/2023 SPECIAL TERM(PART 1)

CP3200	INTERNSHIP	IP	6.00
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**BACHELOR OF COMPUTING (COMPUTER SCIENCE)**  
**GRADE POINT AVERAGE: 4.20**

### ACADEMIC YEAR 2022/2023 SPECIAL TERM(PART 2)

CP3200	INTERNSHIP	CS	6.00
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**BACHELOR OF COMPUTING (COMPUTER SCIENCE)**  
**GRADE POINT AVERAGE: 4.20**



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## OFFICIAL TRANSCRIPT

**NAME:** ONG HAN WEI **STUDENT NO.:** A0234074L **DATE OF BIRTH:** 13/04/2000 **DATE ISSUED:** 02/07/2025

<u>COURSE</u>		<u>GRADE</u>	<u>UNITS</u>	<u>COURSE</u>	<u>GRADE</u>	<u>UNITS</u>	
ACADEMIC YEAR 2023/2024 SEMESTER 1				BACHELOR OF COMPUTING (COMPUTER SCIENCE) GRADE POINT AVERAGE: 4.32			
CFG1004	FINANCIAL WELLBEING - ART AND SCIENCE OF INVESTING	CS	2.00	ACADEMIC YEAR 2024/2025 SEMESTER 1			
CP3108A	INDEPENDENT WORK	CS	2.00				
CS2105	INTRODUCTION TO COMPUTER NETWORKS	A+	4.00	CS4248	NATURAL LANGUAGE PROCESSING	B+	4.00
CS2106	INTRODUCTION TO OPERATING SYSTEMS	A-	4.00	GEN2004	GREEN COMMUNITIES IN ACTION: CLIMATE, SPECIES, CRISIS	A-	4.00
CS3219	SOFTWARE ENGINEERING PRINCIPLES AND PATTERNS	A-	4.00	MA2311	TECHNIQUES IN ADVANCED CALCULUS	A-	4.00
QF2104	FUNDAMENTALS OF QUANTITATIVE FINANCE	A	4.00	QF4102	FINANCIAL MODELLING AND COMPUTATION	A	4.00
BACHELOR OF COMPUTING (COMPUTER SCIENCE) GRADE POINT AVERAGE: 4.31 DEAN'S LIST				QF4103	MATHEMATICAL MODELS OF FINANCIAL DERIVATIVES	A-	4.00
ACADEMIC YEAR 2023/2024 SEMESTER 2				BACHELOR OF COMPUTING (COMPUTER SCIENCE) GRADE POINT AVERAGE: 4.35			
CS3264	FOUNDATIONS OF MACHINE LEARNING	B+	4.00	ACADEMIC YEAR 2024/2025 SEMESTER 2			
CS4218	SOFTWARE TESTING	A-	4.00				
QF2103	COMPUTING FOR QUANTITATIVE FINANCE	A-	4.00	CREDITS TRANSFERRED FROM SHANGHAI JIAO TONG UNIVERSITY			
QF3101	INVESTMENT INSTRUMENTS AND RISK MANAGEMENT	A-	4.00			-	4.00
BACHELOR OF COMPUTING (COMPUTER SCIENCE) GRADE POINT AVERAGE: 4.32				ENROLLED IN THE FOLLOWING NUS COURSES: CS4225                      BIG DATA SYSTEMS FOR DATA SCIENCE                      B+                      4.00			
ACADEMIC YEAR 2023/2024 SPECIAL TERM(PART 1)				BACHELOR OF COMPUTING (COMPUTER SCIENCE) GRADE POINT AVERAGE: 4.34			
CP3202	INTERNSHIP II	IP	6.00	REMARKS: PLEASE REFER TO THE TRANSCRIPT OF SHANGHAI JIAO TONG UNIVERSITY FOR DETAILS OF COURSES TAKEN AND GRADES/UNITS OBTAINED.			
BACHELOR OF COMPUTING (COMPUTER SCIENCE) GRADE POINT AVERAGE: 4.32				*****END OF TRANSCRIPT*****			
ACADEMIC YEAR 2023/2024 SPECIAL TERM(PART 2)							
CP3202	INTERNSHIP II	CS	6.00				

## NATIONAL UNIVERSITY OF SINGAPORE (NUS)

Office of the University Registrar,  
University Hall (Lee Kong Chian Wing),  
#UHL-04-01, 21 Lower Kent Ridge Road, Singapore 119077  
nus.edu.sg/registrar (W) transcript@nus.edu.sg (E)

The transcript information below is applicable to undergraduate and graduate programmes, unless specified otherwise. For earlier transcript information, please visit nus.edu/transcripts.

### MEDIUM OF INSTRUCTION

The medium of instruction used in the University is English, unless specified otherwise.

### GRADE LEGEND

Grade	Grade Point	Additional Grading Options
A+, A	5.00	S Satisfactory
A-	4.50	U Unsatisfactory
B+	4.00	CS Completed (Satisfactory)
B	3.50	CU Completed (Unsatisfactory)
B-	3.00	IC Incomplete
C+	2.50	IP In Progress
C	2.00	AUD Audit
D+	1.50	EXE Exempted
D	1.00	W Withdrawn
F	0.00	WU Withdrawal from University

### SCHOOL OF BUSINESS – MASTER'S DEGREE PROGRAMMES

Grade	Grade Point	Additional Grading Options
DT (Distinction)	5.00	S Satisfactory
M (Merit)	4.00	U Unsatisfactory
Pass	3.00	CS Completed (Satisfactory)
Fail	0.00	CU Completed (Unsatisfactory)
		IC Incomplete
		IP In Progress
		AUD Audit
		EXE Exempted
		W Withdrawn
		WU Withdrawal from University

### FACULTY OF DENTISTRY / YONG LOO LIN SCHOOL OF MEDICINE – BACHELOR'S DEGREE PROGRAMMES

Grade	Descriptor	Additional Grading Options
A+	Distinction	DT Distinction
A		M Merit
A-		P Pass
B+		IC Incomplete
B		IP In Progress
B-		W Withdrawn
C+		WU Withdrawal from University
C		
F		

### SUPPLEMENTARY EXAMINATION AND RE-EXAMINATION

Students who sit for Supplementary Examination or Re-examination (if applicable) are awarded the grade appropriate to the marks they obtain.

### UNITS

A unit is a measure of the effort, stated in terms of time, expected of a typical student in managing their course workload. One (1) unit is equivalent to 2.5 hours of study and preparation per week. Thus, a 4-unit course would require 10 hours of work a week, including lectures, tutorials, laboratory sessions, assignments, and independent or group study, in a regular semester.

### GRADE POINT AVERAGE (GPA)

The Grade Point Average (GPA) tracks the progress of students under the modular system. It is the weighted average grade point of all courses taken by the student, unless specified otherwise. Courses with no assigned unit or grade point are excluded from the calculation of the GPA.

### GRADE-FREE SCHEME (GFS)

The Grade-free Scheme (GFS), in the form of 32 units of Satisfactory/Unsatisfactory (S/U) option, was introduced for undergraduate students admitted from AY2014/2015 onwards, to provide a supportive and enabling environment for them to make a successful transition to university life. If the S/U option is exercised on a course, its grade will not be computed towards the GPA. The units of a course will be counted towards the degree if an "S" grade is attained, and will not be counted if a "U" grade is attained.

### LEAVE OF ABSENCE

Only leave of absence of one semester or longer is recorded in the transcript.

### DEGREE CLASSIFICATION

The degree classification criteria for undergraduate students admitted from AY2012/2013 onwards are as follows:

Honours Degree Classification <sup>(i)</sup>	Criteria
Honours (Highest Distinction)	GPA 4.50 and above <sup>(ii)</sup>
Honours (Distinction)	GPA 4.00 – 4.49
Honours (Merit)	GPA 3.50 – 3.99
Honours	GPA 3.00 – 3.49
Pass	GPA 2.00 – 2.99
Bachelor's Degree Classification <sup>(iii)</sup>	Criteria
Pass with Merit	GPA 3.00 and above
Pass	GPA 2.00 – 2.99

(i) For 160-unit Bachelor's degree programmes.

(ii) Each degree programme may stipulate its additional requirements.

(iii) For 120-unit Bachelor's degree programmes.

### FACULTY OF LAW – DEGREE CLASSIFICATION

(a) The criteria for degree classification applicable to students conferred their Bachelor of Laws (LLB) degrees from 30 June 2016 are as follows:

Degree Classification	Criteria
First Class Honours <sup>*</sup>	Obtained a Cumulative Weighted Numerical Average for all courses taken at NUS that is equivalent to a grade of A- or better, <u>or</u> finished in the top 10% of the graduating class.
Second Class (Upper Division) Honours <sup>*</sup>	Obtained a Cumulative Weighted Numerical Average for all courses taken at NUS that is equivalent to a grade of B or better, and do not qualify for First Class Honours.
Second Class (Lower Division) Honours	Obtained a Cumulative Weighted Numerical Average for all courses taken at NUS that is equivalent to a grade of C or better, and do not qualify either for First Class or Second Class (Upper Division) Honours.
Third Class Honours	Completed the number of units required for a LLB (Honours) degree but do not qualify for First Class, Second Class (Upper Division) or Second Class (Lower Division) Honours.

<sup>\*</sup>*Note: A student will not be eligible for First Class or Second Class (Upper Division) Honours if:*

- a) the student has failed more than 12 units of courses at NUS (or while on an approved exchange programme); or*
- b) the student has taken more than 9 semesters to complete the 4-year LLB programme or 7 semesters to complete the 3-year Graduate LLB programme (excluding periods where the student has been granted a leave of absence).*

(b) The criteria for degree classification applicable to students conferred their Juris Doctor (JD) degrees are as follows:

Degree Classification	Criteria
JD (Highest Distinction)	Obtained a Cumulative Weighted Numerical Average for all courses taken at NUS that is equivalent to a grade of A- or better.
JD (Distinction)	Obtained a Cumulative Weighted Numerical Average for all courses taken at NUS that is equivalent to a grade of B or better.
JD (Merit)	Obtained a Cumulative Weighted Numerical Average for all courses taken at NUS that is equivalent to a grade of C or better.
JD	Completed the number of units required for a JD degree but do not qualify for JD (Highest Distinction), JD (Distinction) or JD (Merit).

### CHECK FOR AUTHENTICITY:

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