

NATIONAL UNIVERSITY OF SINGAPORE



This is to certify that

TAN TZE HENG

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

**BACHELOR OF SCIENCE
WITH HONOURS (DISTINCTION)
IN MATHEMATICS**

on

30 June 2025




Chair, Board of Trustees


President



NATIONAL UNIVERSITY
of SINGAPORE

OFFICIAL TRANSCRIPT

NAME: TAN TZE HENG STUDENT NO.: A0236471E DATE OF BIRTH: 13/08/2002 DATE ISSUED: 03/07/2025

DEGREE CONFERRED:	BACHELOR OF SCIENCE WITH HONOURS (DISTINCTION)	COURSE	GRADE	UNITS
GRADE POINT AVERAGE:	4.35	HSI2013	A-	4.00
CUMULATIVE UNITS:	181.00	IT1244	A-	4.00
ADMISSION DATE:	02/08/2021	MA2116	B+	4.00
CONFERMENT DATE:	30/06/2025	MA3205	B+	4.00
MAJOR:	MATHEMATICS	MUT3113	B+	4.00
SPECIALISATION:	PURE MATHEMATICS	PLS8002	CS	1.00

COURSE GRADE UNITS

ACADEMIC YEAR 2021/2022 SEMESTER 1

COURSE	GRADE	UNITS
CFG1002 CAREER CATALYST	CS	2.00
DSA1101 INTRODUCTION TO DATA SCIENCE	S	4.00
ES1103 ENGLISH FOR ACADEMIC PURPOSES	A-	4.00
HSA1000 ASIAN INTERCONNECTIONS	A	4.00
HSH1000 THE HUMAN CONDITION	S	4.00
MA1100T BASIC DISCRETE MATHEMATICS (T)	S	4.00

BACHELOR OF SCIENCE
GRADE POINT AVERAGE: 4.75

ACADEMIC YEAR 2021/2022 SEMESTER 2

COURSE	GRADE	UNITS
DTK1234 DESIGN THINKING	A-	4.00
HSI1000 HOW SCIENCE WORKS, WHY SCIENCE WORKS	B+	4.00
HSS1000 UNDERSTANDING SOCIAL COMPLEXITY	A+	4.00
MA2001 LINEAR ALGEBRA I	B+	4.00
MA2002 CALCULUS	S	4.00
SP1541 EXPLORING SCIENCE COMMUNICATION THROUGH POPULAR SCIENCE	S	4.00

BACHELOR OF SCIENCE
GRADE POINT AVERAGE: 4.50

ACADEMIC YEAR 2022/2023 SEMESTER 1

COURSE	GRADE	UNITS
CS1010S PROGRAMMING METHODOLOGY	A	4.00

ACADEMIC YEAR 2022/2023 SEMESTER 2

COURSE	GRADE	UNITS
MA2101 LINEAR ALGEBRA II	B	4.00
MA2104 MULTIVARIABLE CALCULUS	B+	4.00
MA2108 MATHEMATICAL ANALYSIS I	B+	4.00
MA2202 ALGEBRA I	B+	4.00
UTOS2001M UNDERGRADUATE TEACHING OPPORTUNITIES PROGRAMME (UTOP)	CS	4.00

BACHELOR OF SCIENCE
GRADE POINT AVERAGE: 4.28

ACADEMIC YEAR 2023/2024 SEMESTER 1

COURSE	GRADE	UNITS
PARTICIPATED IN A STUDENT EXCHANGE PROGRAMME AT NATIONAL TAIWAN UNIVERSITY		
CREDITS TRANSFERRED FROM NATIONAL TAIWAN UNIVERSITY	-	32.00

BACHELOR OF SCIENCE
GRADE POINT AVERAGE: 4.28

REMARKS:
PLEASE REFER TO THE TRANSCRIPT OF NATIONAL TAIWAN UNIVERSITY FOR DETAILS OF COURSES TAKEN AND GRADES/UNITS OBTAINED.

ACADEMIC YEAR 2023/2024 SEMESTER 2

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 ⁽ⁱ⁾	Criteria
Honours (Highest Distinction)	GPA 4.50 and above ⁽ⁱⁱ⁾
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 ⁽ⁱⁱⁱ⁾	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 [*]	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 [*]	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.

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

- the student has failed more than 12 units of courses at NUS (or while on an approved exchange programme); or*
- 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).

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