



NATIONAL UNIVERSITY of SINGAPORE

OFFICIAL TRANSCRIPT

NAME: KAWKEEREE NAWAT **STUDENT NO:** A0188470W **DATE OF BIRTH:** 22/11/1999 **DATE ISSUED:** 04/07/2022

DEGREE CONFERRED: BACHELOR OF ENGINEERING (CHEMICAL ENGINEERING) WITH HONOURS (DISTINCTION)

CUMULATIVE AVERAGE POINT: 4.25

CUMULATIVE MODULAR CREDITS: 160.00

ADMISSION DATE: 06/08/2018

CONFERMENT DATE: 30/06/2022

COMPLETED THE UNIVERSITY TOWN COLLEGE PROGRAMME AT THE COLLEGE OF ALICE & PETER TAN

MODULE

GRADE

CREDITS

ACADEMIC YEAR 2018/2019 SEMESTER 1

CN1101	CHEMICAL ENGINEERING PRINCIPLES AND PRACTICE I	S
CS1010E	PROGRAMMING METHODOLOGY	S
MA1511	ENGINEERING CALCULUS	B+
UTC1402	JR SEM: GENERATION Y: TRANSITIONS TO ADULTHOOD	CS
UTW1001N	PUBLIC PERSONA AND SELF-PRESENTATIONS	S

BACHELOR OF ENGINEERING (CHEMICAL ENGINEERING)

CUMULATIVE AVERAGE POINT : 4.00

ACADEMIC YEAR 2018/2019 SEMESTER 2

CM1502	GENERAL AND PHYSICAL CHEMISTRY FOR ENGINEERS	A-	4.00
CN1102	CHEMICAL ENGINEERING PRINCIPLES AND PRACTICE II	S	6.00
CS2040	DATA STRUCTURES AND ALGORITHMS	W	4.00
GER1000	QUANTITATIVE REASONING	A-	4.00
MA1512	DIFFERENTIAL EQUATIONS FOR ENGINEERING	A-	2.00

MODULE

GRADE

CREDITS

MA1513	LINEAR ALGEBRA WITH DIFFERENTIAL EQUATIONS	A	2.00
UTW2001M	SPORT AND SOCIALIZATION	B	4.00

BACHELOR OF ENGINEERING (CHEMICAL ENGINEERING)

CUMULATIVE AVERAGE POINT : 4.28

ACADEMIC YEAR 2019/2020 SEMESTER 1

CFG1002	CAREER CATALYST	CS	2.00
CN2101	MATERIAL AND ENERGY BALANCES	S	3.00
CN2121	CHEMICAL ENGINEERING THERMODYNAMICS	B+	4.00
CN2122	FLUID MECHANICS	A	5.00
IT2002	DATABASE TECHNOLOGY AND MANAGEMENT	B+	4.00
UTC2402	ENVIRONMENT AND CIVIL SOCIETY IN SINGAPORE	B+	4.00

BACHELOR OF ENGINEERING (CHEMICAL ENGINEERING)

CUMULATIVE AVERAGE POINT : 4.29

ACADEMIC YEAR 2019/2020 SEMESTER 2

CN2116	CHEMICAL KINETICS & REACTOR DESIGN	B+	4.00
CN2125	HEAT & MASS TRANSFER	A-	4.00
CN3135	PROCESS SAFETY, HEALTH AND ENVIRONMENT	A-	3.00
DMX1101	DYOM VIA EDX MOOC	CS	1.00
EG2401A	ENGINEERING PROFESSIONALISM	B+	2.00
GES1035	SINGAPORE: IMAGINING THE NEXT 50 YEARS	CS	4.00
UTS2408	UNEQUAL PARENTHOODS IN ASIA	B+	4.00

BACHELOR OF ENGINEERING (CHEMICAL ENGINEERING)

CUMULATIVE AVERAGE POINT : 4.26

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<u>MODULE</u>		<u>GRADE</u>	<u>CREDITS</u>	<u>MODULE</u>		<u>GRADE</u>	<u>CREDITS</u>
ACADEMIC YEAR 2020/2021 SEMESTER 1				ACADEMIC YEAR 2021/2022 SEMESTER 1			
PARTICIPATED IN A STUDENT EXCHANGE PROGRAMME AT NANYANG TECHNOLOGICAL UNIVERSITY				CN4205R	PINCH ANALYSIS AND PROCESS INTEGRATION	B+	4.00
CREDITS TRANSFERRED FROM NANYANG TECHNOLOGICAL UNIVERSITY				EG3611A	INDUSTRIAL ATTACHMENT	CS	10.00
				EG3611B	INDUSTRIAL ATTACHMENT	CS	2.00
ENROLLED IN THE FOLLOWING NUS MODULES:				BACHELOR OF ENGINEERING (CHEMICAL ENGINEERING)			
CN3101	CHEMICAL ENGINEERING PROCESS LAB I	A	4.00	CUMULATIVE AVERAGE POINT : 4.24			
CN3121	PROCESS DYNAMICS & CONTROL	B+	4.00	ACADEMIC YEAR 2021/2022 SEMESTER 2			
CN3132	SEPARATION PROCESSES	A-	4.00	CN4123R	FINAL YEAR DESIGN PROJECT	A-	6.00
CN3421	PROCESS MODELING AND NUMERICAL SIMULATION	A-	4.00	LAC3202	CHINESE 4	B+	4.00
DMX1102	DYOM VIA EDX MOOC	CS	1.00	BACHELOR OF ENGINEERING (CHEMICAL ENGINEERING)			
BACHELOR OF ENGINEERING (CHEMICAL ENGINEERING)				CUMULATIVE AVERAGE POINT : 4.25			
CUMULATIVE AVERAGE POINT : 4.32				*****END OF TRANSCRIPT*****			
REMARKS:							
Please refer to the transcript of Nanyang Technological University for details of modules taken and grades/credits obtained.							
ACADEMIC YEAR 2020/2021 SEMESTER 2							
CN3102	CHEMICAL ENGINEERING PROCESS LAB II	B+	4.00				
CN4122	PROCESS SYNTHESIS AND SIMULATION	A-	3.00				
CN4227R	ADVANCED PROCESS CONTROL	A-	4.00				
CN4248	SUSTAINABLE PROCESS DEVELOPMENT	B+	4.00				
CN5111	OPTIMIZATION OF CHEMICAL PROCESSES	B+	4.00				
CN5191	PROJECT ENGINEERING	B	4.00				
BACHELOR OF ENGINEERING (CHEMICAL ENGINEERING)							
CUMULATIVE AVERAGE POINT : 4.25							

NATIONAL UNIVERSITY OF SINGAPORE (NUS)

Registrar's Office, University Hall (Lee Kong Chian Wing),
#UHL-04-01, 21 Lower Kent Ridge Road, Singapore 119077

Telephone : (65) 65162304

Website : <https://www.nus.edu.sg/registrar>

TRANSCRIPT INFORMATION

Applicable to undergraduate and graduate programmes (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 PROGRAMME MODULES

Grade	Grade Point
DT (Distinction)	5.00
M (Merit)	4.00
Pass	3.00
Fail	0.00

FACULTY OF DENTISTRY / YONG LOO LIN SCHOOL OF MEDICINE – BACHELOR'S DEGREE PROGRAMME MODULES

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.

MEDIUM OF INSTRUCTION

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

CUMULATIVE AVERAGE POINT (CAP)

The Cumulative Average Point (CAP) was introduced for students admitted from the Academic Year (AY) 1998/1999 onwards to track the progress of students under the Modular System. It is the weighted average grade point of all modules taken by the student.

MODULAR CREDIT (MC)

A modular credit (MC) is a unit of the effort, stated in terms of time, expected of a typical student in managing his/her workload. 1 MC is equivalent to 2.5 hours of study and preparation per week. Thus, a 4-MC module would require 10 hours of work a week, including lectures, tutorials, laboratory sessions, assignments, and independent or group study, over 13 Instructional Weeks in a semester.

GRADE-FREE SCHEME (GFS)

The Grade-free Scheme (GFS), in the form of 32 MCs 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 into the academic and social aspects of university life.

It was enhanced from a grade-free first semester to a grade-free first year for undergraduate students admitted from AY2016/2017 onwards.

At the end of a semester, students may choose to retain the letter grade or to exercise the S/U option on a module, in which case the letter grade will not be shown on the transcript nor computed towards the CAP. An 'S' grade is assigned if students receive a C grade or above while a 'U' grade is assigned if the grade obtained is D+, D or F. Students will receive credits towards the degree only if they attain an 'S' grade.

LEAVE OF ABSENCE

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

DEGREE CLASSIFICATION

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

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

(i) This refers to 160-MC degree programmes.

(ii) Particular Faculties/Schools may stipulate other requirements.

(iii) This refers to 120-MC degree programmes.

This transcript shows the latest information. For information on earlier grade legends, please visit:
<https://www.nus.edu.sg/registrar/student-records/transcripts/official-transcripts>.

FACULTY OF LAW – DEGREE CLASSIFICATION

(a) The criteria for degree classification applicable to students conferred their Bachelor's 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 modules 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 modules 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 modules 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 credits 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:

- a) the student has failed more than 12 credits of modules 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 (J.D.) degrees are as follows:

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

CHECK FOR AUTHENTICITY:

This digital transcript has been issued by NUS and its authenticity is guaranteed only when it can be successfully accessed through the OpenCerts portal (opencerts.io) or nus.edu.sg/e-documents.

