

國立清華大學

National Tsing Hua University

Hsinchu, Taiwan, Republic of China

TRANSCRIPT OF ACADEMIC RECORD

STU-NO	111062649	Name	Hsu, Chun-Yuan (許峻源)			
College	Electrical Engineering and Computer Science	Dept./Inst.	Computer Science	Letter Grade	Graduation GPA	3.96
Thesis/Dissertation Topic: Quantum Event Identification and Simulation of Quantum Event-Learning Procedures				T Scores	Graduation Average	54.73
				Relative Grade	Graduation Average	15.36%
				Thesis/Dissertation Grade		A+
				Graduation Grade		4.13
Date Enrolled	Sep. 2022	Degree Conferred	M.S.	Date Conferred	Jan. 2025	
Course No.	Course Title	Credit	Letter Grade	T Scores	Course No.	Course Title
			Relative Grade			
<u>Summer, Academic Year 2021 (July 2022 - Aug. 2022)</u>					T Scores Average: 55.21	
WW 160200	Computer Organization	3	A		Relative Grade Average: 16.53%	
Subtotal of Credits Earned: 3 Cumulative Credits: 3					Subtotal of Credits Earned: 15 Cumulative Credits: 30 Conduct: A	
					Subtotal earned EMI credits in this semester period: 6	
<u>Semester 1, Academic Year 2022 (Sep. 2022 - Jan. 2023)</u>					<u>Semester 1, Academic Year 2023 (Sep. 2023 - Jan. 2024)</u>	
					**The following are optional courses**	
CS 591000	Seminar	1	A+	54.00	CS 531400	Randomized Algorithms - #W
**The following are optional courses**					CS 540400 Advanced Compiler 3 A+ 56.68	
CS 342301	Operating Systems	3	B+	52.22		
					IIS 500200 Network Security 3 \$#A+ 50.62	
CS 531900	Advanced Discrete Structure	3	#A	53.77		
					1/567	
CS 539100	Introduction to quantum computing	3	#A+	59.97	GPA: 4.30	
					Percentage Average: 100.00	
CS 580100	Research Methodology I	2	A+	52.11	T Scores Average: 53.65	
					Relative Grade Average: 1.67%	
GPA: 3.98					Subtotal of Credits Earned: 6 Cumulative Credits: 36 Conduct: A	
Percentage Average: 88.67					Subtotal earned EMI credits in this semester period: 3	
T Scores Average: 54.68						
Relative Grade Average: 20.75%					<u>Semester 2, Academic Year 2023 (Feb. 2024 - June 2024)</u>	
Subtotal of Credits Earned: 12 Cumulative Credits: 15 Conduct: A					Taking merely in this semester: Thesis	
Subtotal earned EMI credits in this semester period: 6					GPA: N/A	
					Percentage Average: N/A	
<u>Semester 2, Academic Year 2022 (Feb. 2023 - June 2023)</u>					T Scores Average: N/A	
CS 591000	Seminar	1	A+	53.48	Relative Grade Average: N/A	
					Subtotal of Credits Earned: 0 Cumulative Credits: 36 Conduct: A	
**The following are optional courses**						
CS 235100	Data Structures	3	#A-	55.32	<u>Semester 1, Academic Year 2024 (Sep. 2024 - Dec. 2024)</u>	
					Taking merely in this semester: Thesis	
					GPA: N/A	
CS 534100	Advanced game Theory and its applications	3	A+	57.35	Percentage Average: N/A	
					T Scores Average: N/A	
CS 580200	Research Methodology (II)	2	A+	51.18	Relative Grade Average: N/A	
					Subtotal of Credits Earned: 0 Cumulative Credits: 36 Conduct: A	
EECS402000	Algorithms	3	#B-	51.61	-----End of Record, the definition is as below.-----	
ISA 532000	Fintech- Innovation and Applications	3	A	59.81		
GPA: 3.80						
Percentage Average: 85.67						





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Course No.	Course Title	Credit	Letter Grade	T Scores	Course No.	Course Title	Credit	Letter Grade	T Scores	
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## Notes:

Remarks: 1.TR=Transferred W=Withdrawn @=Failed \*=Lack of Scores #=Lectured in English \$=Distance Learning Courses. 2.Grades and credits in summer are not calculated into Semester GPA and Earned Credits, but in Graduation/Cumulative GPA and Credits. 3.Teacher Education, General Education, Language (except for course no. containing LANG5 or above ), Military Training and Physical Education are not calculated into Semester and Graduation GPA and Credits. 4.^=Courses repeatedly taken are not calculated into Semester and Graduation GPA and Credits. 5.No rankings for Graduate Students. 6.Grades before Academic Year 2018 were not provided the corresponding Relative Grades. Grades before Academic Year 2021 were not provided the corresponding T Scores. 7.Students enrolled before or in Academic Year 2020 can choose “Letter Grades”, “Letter Grades + Relative Grades” or “Letter Grades + T Scores” on their transcripts. Students enrolled after or in Academic Year 2021 can choose “Letter Grades + T Scores” or “Letter Grades + T Scores + Relative Grades” on their transcripts. 8.The larger the GPA, Percentage Average or T Scores is, the better a student performs. By contrast, the smaller the Relative Grade Average is, the better a student performs. 9.The Graduation GPA of a Graduate Student is the average of Cumulative GPA and the grade point of Thesis/Dissertation Grade. 10.For graduate students the academic passing grade is B- and the passing grade of conduct is C-.

Grade	A+	A	A-	B+	B	B-	C+	C	C-	D	E	X	P	N
Score	100~90	89~85	84~80	79~77	76~73	72~70	69~67	66~63	62~60	59~50	49~1	0~0	通過	不通過
Grade point	4.3	4	3.7	3.3	3	2.7	2.3	2	1.7	1	0	0	PASS	FAIL

### T Scores Definition:

$$T=10Z+50, Z=(X-X^-)/\sigma$$

Where  $X$ =original score;  $\bar{X}$ =average score;  $\sigma$ =standard deviation.

If  $T=50$ , it means that the original score is the same as the average score.

If  $T=60$ , it means that the original score is 1 standard deviation higher than the average score.

If  $T=70$ , it means that the original score is 2 standard deviations higher than the average score.

If  $T=40$ , it means that the original score is 1 standard deviation lower than the average score, and so on.

