

TSINGHUA UNIVERSITY

ACADEMIC TRANSCRIPT

Student Name Lin Yichen

Gender Male **Student No.** 2021010550 **Student Type** Undergraduate **Date of Admission** September,2021

School/Department Department of Computer Science and Technology **Major** Computer Science and Technology

Course Number	Course Title	Credit	Grade	Point	Year-Semester
10421324	Linear Algebra	4	A	4.0	2021-Autumn
10680053	Ideology,Morality and Rule of Law	3	A-	4.0	2021-Autumn
10691342	Writing and Communication	2	B+	3.6	2021-Autumn
10720011	Physical Education(1)	1	B+	3.6	2021-Autumn
12090052	Military Theory	2	A-	4.0	2021-Autumn
14201102	English for Academic Purposes (B): Essay Writing	2	B-	3.0	2021-Autumn
20120163	Fundamentals of Machine Design(1)	3	A-	4.0	2021-Autumn
30120372	Introduction to Mechanical Science and Technology	2	A-	4.0	2021-Autumn
30240233	Fundamentals of Programming	3	A-	4.0	2021-Autumn
10421055	Calculus A(1)	5	W	N/A	2021-Autumn
00740282	The Fundamentals of Computer Programming (Python)	2	A-	4.0	2022-Spring
10420252	Introduction to Complex Analysis	2	A	4.0	2022-Spring
10421065	Calculus A(2)	5	A-	4.0	2022-Spring
10431144	University Physics K1	4	A+	4.0	2022-Spring
10440103	General Chemistry A	3	A	4.0	2022-Spring
10610193	Outline of Modern Chinese History	3	A-	4.0	2022-Spring
10720021	Physical Education(2)	1	P	N/A	2022-Spring
14201112	English for Academic Purposes (B)Spoken Communication	2	B+	3.6	2022-Spring
20220483	Principles of Electric Circuits	3	A	4.0	2022-Spring
30250203	Data Structures	3	A-	4.0	2022-Spring
10680042	Introduction to MaoZedong Thought and the Theoretical System of Socialism with Chinese Characterist2	2	P	N/A	2022-Summer
11510042	Artificial Intelligence Thinking	2	A	4.0	2022-Summer
20250201	Object oriented programming training	1	A-	4.0	2022-Summer
30240522	Programing and Training	2	A-	4.0	2022-Summer
21510082	Metal Working Technology Practice C	2	W	N/A	2022-Summer
00782171	Kunqu Opera and Cultural Inheritance	1	A-	4.0	2022-Autumn
01030212	Introduction to Engineering Innovation	2	A+	4.0	2022-Autumn
10420803	Probability and Statistics	3	A	4.0	2022-Autumn
10421055	Calculus A(1)	5	A	4.0	2022-Autumn
10430494	Physics for Scientists and Engineers B(2)	4	A-	4.0	2022-Autumn
10610204	Principle of Marxist Philosophy	4	A	4.0	2022-Autumn
10680011	Situation and Policy	1	A-	4.0	2022-Autumn
10720031	Physical Education(3)	1	P	N/A	2022-Autumn
20250173	Digital Electronics	3	B	3.3	2022-Autumn
20250213	Discrete Mathematics	3	B+	3.6	2022-Autumn
21550041	Laboratory of Digital Electronic Circuits	1	P	N/A	2022-Autumn
40240432	Formal Languages and Automata	2	B+	3.6	2022-Autumn
40250192	Introduction to Systems Engineering	2	A	4.0	2022-Autumn
BW3w5701	Korean(1)	4	P	N/A	2022-Autumn
00510133	Accounting Principles	3	W	N/A	2022-Autumn
10430801	Lab. of Physics B(1)	1	W	N/A	2022-Autumn
14204062	A Practical Course of E-C and C-E Translation	2	W	N/A	2022-Autumn
00690622	Appreciation of Ancient Chinese Poetry	2	A	4.0	2023-Spring
00783052	Appreciation of Chinese and Foreign Dramas	2	A-	4.0	2023-Spring

Total Credits: 147.0 **GPA:** 3.79 **Date of Graduation:** ***** **Degree Conferred:** *****

Director of Registrar's Office: 尹佳

Official Seal:

Date Printed: February 27, 2024

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Course Number	Course Title	Credit	Grade	Point	Year-Semester
02070012	Introduction to the Communist Party of China	2	P	N/A	2023-Spring
02070071	Mental Training and Latent Ability Developing	1	A	4.0	2023-Spring
10420402	Elementary Number Theory	2	B	3.3	2023-Spring
10421382	Advanced Topics in Linear Algebra	2	B+	3.6	2023-Spring
10680022	Introduction to Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era	2	B+	3.6	2023-Spring
10680032	Introduction to MaoZedong Thought and the Theoretical System of Socialism with Chinese Characteristl	2	A-	4.0	2023-Spring
10720041	Physical Education(4)	1	C	2.3	2023-Spring
30240042	Introduction to Artificial Intelligence	2	B+	3.6	2023-Spring
30240532	Foundation of Object-Oriented Programming	2	A+	4.0	2023-Spring
40250144	Signals and System Analysis	4	B+	3.6	2023-Spring
10430811	Lab. of Physics B(2)	1	W	N/A	2023-Spring
20240023	Discrete Mathematics(2)	3	I	N/A	2023-Spring
20250064	Fundamentals of Analog Electronics	4	I	N/A	2023-Spring
30240163	Software Engineering	3	W	N/A	2023-Spring
30240184	Data Structures	4	W	N/A	2023-Spring
30240192	Introduction to High Performance Computing	2	W	N/A	2023-Spring
00740312	Internet Product Design	2	C	2.3	2023-Summer
12090062	Military Skills	2	B+	3.6	2023-Summer
44100343	Web Front-end Technology	3	W	N/A	2023-Summer
00240074	Data Structure	4	A	4.0	2023-Autumn
10720110	Physical Education(1)	0	C-	2.0	2023-Autumn
30240063	Principles of Signal Processing	3	B+	3.6	2023-Autumn
30240163	Software Engineering	3	A-	4.0	2023-Autumn
30240222	Introduction to VLSI Systems	2	A	4.0	2023-Autumn
30240292	Human Computer Interaction Theory and Technology	2	B	3.3	2023-Autumn
30240382	Principles and Practice of Compiler Construction	2	B	3.3	2023-Autumn
30240593	Introduction to Computer Systems	3	B-	3.0	2023-Autumn
40160853	Introduction to Causal Inference	3	P	N/A	2023-Autumn
40240572	Computer Network Security Technology	2	B	3.3	2023-Autumn
42540012	Students Research Training	2	A	4.0	2023-Autumn
30240243	Operating Systems	3	W	N/A	2023-Autumn
30240312	Artificial Neural Networks	2	I	N/A	2023-Autumn
40240354	Computer Organization	4	I	N/A	2023-Autumn
40240513	Theory of Computer Network	3	W	N/A	2023-Autumn

Total Credits: 147.0 **GPA:** 3.79 **Date of Graduation:** ***** **Degree Conferred:** *****

Director of Registrar's Office: 尹佳

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KEY TO TRANSCRIPT

I. COURSE NUMBERING SYSTEM

Each course number consists of 8-10 characters.

The first character indicates the course level:

0-4 or H-T, W = undergraduate courses

6-9, A-G or X-Z = graduate courses

II. CREDIT

Credit is reported in terms of semester hours, whether earned during a 16-week semester or a summer session. For 1 unit of credit, either one hour per week is allotted to lecture or discussion, or two hours per week are allotted to laboratory, while more hours are needed for preparation or subsequent reading and study.

III. THE RECORD ENDS WITH *****.

IV. DATE OF GRADUATION and DEGREE CONFERRED

For currently enrolled undergraduates, the columns of DATE OF GRADUATION and DEGREE CONFERRED are *****.

V. GRADING SYSTEMS

a) EFFECTIVE for students who matriculated in spring 2015 and after

(i) Tsinghua University converted to a LETTER GRADING SYSTEM. The table below shows the grades in detail.

(ii) Credits are given for A+, A, A-, B+, B, B-, C+, C, C-, D+, D, P and EX.

(iii) W: Withdrew.

(iv) I: Incomplete. Marked when a student's application is approved for not attending the final exam.

(v) EX: Exemption. Students receive credits for exempted courses.

Grade	Grade Points	Corresponding 100-point Range	Equivalent 100-point value*
A+	4.0	95-100	100
A			98
A-			92
B+	3.6	85-89	87
B	3.3	80-84	82
B-	3.0	77-79	78
C+	2.6	73-76	75
C	2.3	70-72	71
C-	2.0	67-69	68
D+	1.6	63-66	65
D	1.3	60-62	61
F	0	0-59	0
P	N/A	N/A	N/A
F	N/A	N/A	N/A

* For the transition period in 2015-2018 between the 100-point grading system and the letter grading system, Tsinghua has provided a corresponding average of values in the 100-point range of each grade. The equivalent 100-point value for course receiving credits corresponds to the median in the range. Students who matriculated in spring 2019 and after no longer use the equivalent 100-point value.

b) EFFECTIVE for students who matriculated prior to spring 2015

(i) 100-POINT GRADING SYSTEM: Credits are given for 60 points and above.

(ii) PASS/FAIL SYSTEM: Credits are given for PASS.

DISTINCTION (for undergraduates only): Credits are given for DISTINCTION.

(iii) REPEATED COURSES: The transcript displays only the latest result of a repeated course. Repeated courses are designated with an "Rn" code beside the final grade, where "n" indicates the number of times the course was repeated.

VI. GRADING POLICY REFORM 2015-2018

In the ten years prior to spring 2015, 30 percent of A-range grades have been given. From fall 2015, Tsinghua initiated a grading reform: A-range grades (A+, A, A-) were to account for 20 percent of the grades given in all courses. In Spring 2019, the faculty reaffirmed its commitment to fair and transparent assessment and removed its numeric target for the percent of A-range grades.

VII. GPA CALCULATION

$$\text{GPA} = \frac{\sum \text{Course Credit} * \text{Grade Point}}{\sum \text{Course Credit}}$$

GPA is shown for students who matriculated in spring 2015 and after in a 4.0 grading scale. Course grades with N/A (Not Applicable) should not be included in GPA calculation.