

TSINGHUA UNIVERSITY

ACADEMIC TRANSCRIPT

Student Name LIU,ZHONGHENG

Gender Male **Student No.** 2023010596 **Student Type** Undergraduate **Date of Admission** August,2023

School/Department Department of Electronic Engineering **Major** Electronic Information Science and Technology

Course Number	Course Title	Credit	Grade	Point	Year-Semester
12090052	Military Theory	2	A-	4.0	2023-Summer
12090062	Military Skills	2	A-	4.0	2023-Summer
00230162	Optical Communications and Information Society	2	P	N/A	2023-Autumn
10421055	Calculus A(1)	5	A+	4.0	2023-Autumn
10421324	Linear Algebra	4	A	4.0	2023-Autumn
10680053	Ideology,Morality and Rule of Law	3	A-	4.0	2023-Autumn
10691342	Writing and Communication	2	A	4.0	2023-Autumn
10720011	Physical Education(1)	1	B+	3.6	2023-Autumn
10720150	Swimming Competency Test	0	P	N/A	2023-Autumn
14201112	English for Academic Purposes (B)Spoken Communication	2	A+	4.0	2023-Autumn
30230672	Computer Program Design (1)	2	A	4.0	2023-Autumn
40420393	Discrete Mathematics	3	C+	2.6	2023-Autumn
S1510021	Exploration to Scientific Research of Lab(1)	1	P	N/A	2023-Autumn
00783182	Western Classical Music Appreciation Workshop	2	B+	3.6	2024-Spring
02070071	Mental Training and Latent Ability Developing	1	A+	4.0	2024-Spring
02070342	Chinese Culture and National Conditions 1	2	P	N/A	2024-Spring
10421065	Calculus A(2)	5	A	4.0	2024-Spring
10430934	Physics for Scientists and Engineers A(1)	4	B	3.3	2024-Spring
10720021	Physical Education(2)	1	A-	4.0	2024-Spring
10780032	Aesthetic Creation of Quality-oriented Dancing	2	A	4.0	2024-Spring
14201102	English for Academic Purposes (B): Essay Writing	2	A-	4.0	2024-Spring
20230271	Basic Experiments for Electronic Circuits and Systems (1)	1	P	N/A	2024-Spring
30230812	Fundamentals of Electronic Circuits and System I	2	B	3.3	2024-Spring
10680092	Ideological and political practice	2	P	N/A	2024-Summer
20230292	Project Design and Making of Electronic System	2	A-	4.0	2024-Summer
30230683	Computer Program Design(2)	3	A+	4.0	2024-Summer
10421133	Functions of Complex Variables and Equations of Mathematical Physics	3	B+	3.6	2024-Autumn
10430801	Lab. of Physics B(1)	1	A	4.0	2024-Autumn
10430944	Physics for Scientists and Engineers A(2)	4	A	4.0	2024-Autumn
10691153	The Soul of University-----The Origins and The Evolution	3	A	4.0	2024-Autumn
10720031	Physical Education(3)	1	B+	3.6	2024-Autumn
14205224	Portuguese (Second Foreign Language) (1)	4	A	4.0	2024-Autumn
20750021	Literature Searching and Utilization(Sci-Tech)	1	A	4.0	2024-Autumn
30230822	Fundamentals of Electronic Circuits and System II	2	B-	3.0	2024-Autumn
30231133	Data and Algorithm	3	B+	3.6	2024-Autumn
01550013	Synthetical Practice of Electronics System Design	3	W	N/A	2024-Autumn

Total Credits: 80.0 **GPA:** 3.80 **Date of Graduation:** ***** **Degree Conferred:** *****

Director of Registrar's Office:

刘沐

Official Seal:

Date Printed: March 1, 2025

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

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

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.