

TSINGHUA UNIVERSITY

ACADEMIC TRANSCRIPT

Student Name Zuo Jingwei

Gender Male **Student No.** 2021012328 **Student Type** Undergraduate **Date of Admission** September,2021

School/Department Weiyang College **Major** Mathematics and Physics + Electrical Engineering and Automation

Course Number	Course Title	Credit	Grade	Point	Year-Semester
00320201	Exploration of Secrets in Healthcare-related Physics	1	A	4.0	2021-Autumn
02070012	Introduction to the Communist Party of China	2	P	N/A	2021-Autumn
10421055	Calculus A(1)	5	A	4.0	2021-Autumn
10421324	Linear Algebra	4	A	4.0	2021-Autumn
10680053	Ideology,Morality and Rule of Law	3	B	3.3	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	B	3.3	2021-Autumn
14730012	Introduction of Engineering in Weiyang College	2	B+	3.6	2021-Autumn
30220392	Fundamentals of Computer Program Design	2	A+	4.0	2021-Autumn
14205094	Russian (Second Foreign Language) (1)	4	W	N/A	2021-Autumn
00040132	Gemstone	2	B+	3.6	2022-Spring
10421065	Calculus A(2)	5	A-	4.0	2022-Spring
10430632	Lab. of Physics(1)	2	A-	4.0	2022-Spring
10610193	Outline of Modern Chinese History	3	P	N/A	2022-Spring
10680011	Situation and Policy	1	A-	4.0	2022-Spring
10720021	Physical Education(2)	1	P	N/A	2022-Spring
14730111	Seminar on Science, Technology and Humanities	1	A-	4.0	2022-Spring
20220214	Principle of Circuits	4	A+	4.0	2022-Spring
20220221	Lab. of Principle of Circuits	1	A	4.0	2022-Spring
20430225	Fundamentals of Physics (1)	5	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
20220471	Embedded System Applications	1	P	N/A	2022-Summer
30220372	Project Based Training Course on Software Programming	2	P	N/A	2022-Summer
30220461	Introduction to Microcontroller	1	P	N/A	2022-Summer
00220162	Introduction to Optimization and Decision Theory of Energy Systems	2	P	N/A	2022-Autumn
10421373	Probability and Stochastic Processes	3	A-	4.0	2022-Autumn
10431042	Lab. of Physics (3)	2	A	4.0	2022-Autumn
10610204	Principle of Marxist Philosophy	4	A	4.0	2022-Autumn
10720031	Physical Education(3)	1	A	4.0	2022-Autumn
20120152	Fundamentals of Engineering Graphics	2	A	4.0	2022-Autumn
20220504	Foundations of Electronic Technology	4	A-	4.0	2022-Autumn
20220511	Experiments of Electronic Technology	1	A	4.0	2022-Autumn
20430265	Fundamentals of Physics (3)	5	A-	4.0	2022-Autumn
30220422	Fundamentals about Power System Operation and Management	2	A-	4.0	2022-Autumn
00240094	Computer Organization and Architecture	4	A	4.0	2023-Spring
00782321	Foundation of Vocal Music	1	A-	4.0	2023-Spring
10430642	Lab. of Physics(2)	2	A	4.0	2023-Spring
10440012	General Chemistry B	2	A	4.0	2023-Spring
10680022	Introduction to Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era	2	A-	4.0	2023-Spring
10680032	Introduction to MaoZedong Thought and the Theoretical System of Socialism with Chinese Characterist1	2	A-	4.0	2023-Spring

Total Credits: 152.0 **GPA:** 3.88

Date of Graduation: *****

Degree Conferred: *****

Director of Registrar's Office:

刘沐

Official Seal:

Date Printed: September 15, 2024

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10720041	Physical Education(4)	1	A	4.0	2023-Spring
20240023	Discrete Mathematics(2)	3	P	N/A	2023-Spring
20430234	Fundamentals of Physics (2)	4	A	4.0	2023-Spring
30250203	Data Structures	3	A	4.0	2023-Spring
30430153	Mathematical Physics Equations	3	A	4.0	2023-Spring
40221052	Principle and Technology of Energy Conversion	2	A+	4.0	2023-Spring
12090062	Military Skills	2	B+	3.6	2023-Summer
20220521	Project Design of Electronics Technology	1	P	N/A	2023-Summer
21510082	Metal Working Technology Practice C	2	A-	4.0	2023-Summer
40221131	Practice of Software tools	1	P	N/A	2023-Summer
30220583	Computer and Network Technology	3	EX	N/A	2023-Autumn
40220723	Power System Analysis	3	EX	N/A	2023-Autumn
40420054	Numerical Analysis	4	EX	N/A	2023-Autumn
00692091	Interpersonal communication	1	A	4.0	2024-Spring
10450012	Introduction of Modern Biology	2	B+	3.6	2024-Spring
10510344	Principles of Economics	4	A-	4.0	2024-Spring
10720120	Physical Education(2)	0	A	4.0	2024-Spring
30220562	Power System Analysis & Control	2	A-	4.0	2024-Spring
30220593	High Voltage Engineering English	3	B	3.3	2024-Spring
34730124	Signal, System and Control	4	B+	3.6	2024-Spring
40221033	Forecasting Technology in Power Systems	3	B+	3.6	2024-Spring
44730134	Power Electronics and Power Semiconductors	4	B+	3.6	2024-Spring
40220353	Industrial Practices	3	A-	4.0	2024-Summer

Total Credits: 152.0 **GPA:** 3.88

Date of Graduation: *****

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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.