TSINGHUA UNIVERSITY
ACADEMIC TRANSCRIPT

Student Name Chu Wenda

Gender Male   **Student No.** 2019012373   **Student Type** Undergraduate   **Date of Admission** August,2019

School/Department Institute for Interdisciplinary Information Sciences   **Major** Computer Science and Technology

Course Number	Course Title	Credit	Grade	Point	Year-Semester
10430012	Complex Analysis	2	A-	4.0	2019-Spring
10430953	Lab.of Physics A(1)	3	A-	4.0	2019-Spring
10641042	Listening & Speaking for Academic Purposes (4)	2	B+	3.6	2019-Spring
10720021	Physical Education(2)	1	A	4.0	2019-Spring
20430225	Fundamentals of Physics (1)	5	A	4.0	2019-Spring
20430234	Fundamentals of Physics (2)	4	A	4.0	2019-Spring
30420095	Advanced Calculus(1)	5	A-	4.0	2019-Spring
30420105	Advanced Calculus(2)	5	A	4.0	2019-Spring
12090052	Military Theory	2	B+	3.6	2019-Summer
12090062	Military Skills	2	A-	4.0	2019-Summer
00240342	Introduction to Data Science	2	A-	4.0	2019-Autumn
00420152	Introduction of Mathematical Modelling	2	A	4.0	2019-Autumn
00782131	Introduction to Art Appreciation	1	P	N/A	2019-Autumn
10420803	Probability and Statistics	3	A	4.0	2019-Autumn
10610183	Ideological Moral and Legal Education	3	A-	4.0	2019-Autumn
10680011	Situation and Policy	1	B+	3.6	2019-Autumn
10691342	Writing and Communication	2	A	4.0	2019-Autumn
10720011	Physical Education(1)	1	A-	4.0	2019-Autumn
14205174	Japanese (Second Foreign Language) (1)	4	B+	3.6	2019-Autumn
20470044	Linear Algebra	4	B+	3.6	2019-Autumn
30470013	Introduction to Computer Science	3	B+	3.6	2019-Autumn
10610193	Outline of Modern Chinese History	3	B+	3.6	2020-Spring
10690013	Roads to Academic	3	B+	3.6	2020-Spring
20240033	Numerical Analysis	3	A-	4.0	2020-Spring
20470054	Abstract Algebra	4	A	4.0	2020-Spring
30250203	Data Structures	3	A-	4.0	2020-Spring
30470023	Mathematics for Computer Science	3	A	4.0	2020-Spring
30470293	Mathematics for Artificial Intelligence	3	A-	4.0	2020-Spring
40470284	Quantum Computer Science	4	A	4.0	2020-Spring
30470232	The Physics of Information	2	A	4.0	2020-Summer
30470312	Introduction to Databases	2	A	4.0	2020-Summer
00510433	Game,Decision Making and Queuing Theory	3	P	N/A	2020-Autumn
02070321	Communication Expression	1	P	N/A	2020-Autumn
10610204	Principle of Marxist Philosophy	4	B+	3.6	2020-Autumn
10720031	Physical Education(3)	1	A-	4.0	2020-Autumn
10720150	Swimming Competency Test	0	P	N/A	2020-Autumn
20470034	General Physics(2)(in English)	4	A	4.0	2020-Autumn
30470104	Machine learning	4	B+	3.6	2020-Autumn
30470124	Algorithm Design	4	B+	3.6	2020-Autumn
40470243	Artificial Intelligence: Principles and Techniques	3	A-	4.0	2020-Autumn
02090061	Shooting	1	W	N/A	2020-Autumn
20250153	Fundamentals of Digital Electronics	3	W	N/A	2020-Autumn
10680022	Introduction to Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era	2	A-	4.0	2021-Spring

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Total Credits: 140.0   **GPA:** 3.88   **Date of Graduation:** **********   **Degree Conferred:** **********

Director of Registrar's Office: 尹佳

Official Seal:

Date Printed: October 18, 2021

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School/Department Institute for Interdisciplinary Information Sciences   **Major** Computer Science and Technology

Course Number	Course Title	Credit	Grade	Point	Year-Semester
10680032	Introduction to Mao Zedong Thoughts and Theoretical System of Socialism with Chinese Characteristic	2	B+	3.6	2021-Spring
10680042	Introduction to Mao Zetong Thought and Socialism with Chinese Characteristics (2)	2	P	N/A	2021-Spring
10720041	Physical Education(4)	1	A-	4.0	2021-Spring
20470084	Computer Architecture	4	A-	4.0	2021-Spring
30470134	Theory of Computation	4	A	4.0	2021-Spring
30470154	Game Theory	4	A+	4.0	2021-Spring
40470024	Fundamentals of Cryptography	4	A-	4.0	2021-Spring
40470374	Distributed and Blockchain Systems	4	A-	4.0	2021-Spring
20470092	Introduction to Robotics	2	B-	3.0	2021-Summer
	**********				

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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+		95-100	100
A	4.0		98
A-		90-94	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

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

  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.