TSINGHUA UNIVERSITY
ACADEMIC TRANSCRIPT

Student Name Xie Zhiyu

Gender Female   **Student No.** 2019011336   **Student Type** Undergraduate   **Date of Admission** August,2019

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

Course Number	Course Title	Credit	Grade	Point	Year-Semester
12090052	Military Theory	2	A-	4.0	2019-Summer
12090062	Military Skills	2	B+	3.6	2019-Summer
00240342	Introduction to Data Science	2	A	4.0	2019-Autumn
00782801	Western Music and Ideas	1	A-	4.0	2019-Autumn
10421055	Calculus A(1)	5	A	4.0	2019-Autumn
10421324	Linear Algebra	4	A+	4.0	2019-Autumn
10610183	Ideological Moral and Legal Education	3	A-	4.0	2019-Autumn
10680011	Situation and Policy	1	A-	4.0	2019-Autumn
10720011	Physical Education(1)	1	B+	3.6	2019-Autumn
10720150	Swimming Competency Test	0	P	N/A	2019-Autumn
20240013	Discrete Mathematics(1)	3	A	4.0	2019-Autumn
30210041	Introduction to Information Science and Technology	1	B+	3.6	2019-Autumn
30240233	Fundamentals of Programming	3	A	4.0	2019-Autumn
30240282	Computer Science:An Overview	2	A	4.0	2019-Autumn
01510162	Experience of Manufacturing Engineering	2	P	N/A	2020-Spring
10421065	Calculus A(2)	5	A	4.0	2020-Spring
10421382	Advanced Topics in Linear Algebra	2	A	4.0	2020-Spring
10430484	Physics for Scientists and Engineers B(1)	4	A+	4.0	2020-Spring
10610193	Outline of Modern Chinese History	3	A+	4.0	2020-Spring
10720021	Physical Education(2)	1	A-	4.0	2020-Spring
14203052	Selected Readings in English Literature	2	A	4.0	2020-Spring
20240023	Discrete Mathematics(2)	3	A-	4.0	2020-Spring
30240532	Foundation of Object-Oriented Programming	2	A	4.0	2020-Spring
40690363	Religious Studies	3	A	4.0	2020-Spring
30240522	Programing and Training	2	A	4.0	2020-Summer
00781872	Western Music and Civilization	2	A+	4.0	2020-Autumn
00782082	Introduction to Film and TV Arts and works Appreciation	2	A-	4.0	2020-Autumn
10420252	Introduction to Complex Analysis	2	A	4.0	2020-Autumn
10430494	Physics for Scientists and Engineers B(2)	4	A	4.0	2020-Autumn
10430801	Lab. of Physics B(1)	1	B+	3.6	2020-Autumn
10610204	Principle of Marxist Philosophy	4	A	4.0	2020-Autumn
10720031	Physical Education(3)	1	A-	4.0	2020-Autumn
14203062	American Society and Culture	2	A-	4.0	2020-Autumn
30240184	Data Structures	4	A	4.0	2020-Autumn
30260133	Fundamentals of Electronics	3	A	4.0	2020-Autumn
31550011	Experiment of Fundamentals electronics	1	A-	4.0	2020-Autumn
00690062	I-go and Chinese Culture	2	P	N/A	2021-Spring
10420803	Probability and Statistics	3	A	4.0	2021-Spring
10430811	Lab. of Physics B(2)	1	A-	4.0	2021-Spring
10680022	Introduction to Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era	2	A	4.0	2021-Spring
10680032	Introduction to MaoZedong Thought and the Theoretical System of Socialism with Chinese Characterist1	2	A	4.0	2021-Spring
10680042	Introduction to MaoZedong Thought and the Theoretical System of Socialism with Chinese Characterist2	2	P	N/A	2021-Spring

Total Credits: 178.0   **GPA:** 3.97   **Date of Graduation:** June,2023   **Degree Conferred:** Bachelor of Engineering

Director of Registrar's Office: 尹佳

Official Seal:

Date Printed: June 24, 2023

127F5D799C5639577587

TSINGHUA UNIVERSITY
ACADEMIC TRANSCRIPT

Student Name Xie Zhiyu

Gender Female   **Student No.** 2019011336   **Student Type** Undergraduate   **Date of Admission** August,2019

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

Course Number	Course Title	Credit	Grade	Point	Year-Semester
10720041	Physical Education(4)	1	A	4.0	2021-Spring
30240042	Introduction to Artificial Intelligence	2	A	4.0	2021-Spring
30240163	Software Engineering	3	A-	4.0	2021-Spring
30240343	Digital Logic Circuit	3	A-	4.0	2021-Spring
30240551	Digital Logic Experimentation	1	A-	4.0	2021-Spring
40240422	Fundamentals of Computer Graphics	2	A-	4.0	2021-Spring
40240432	Formal Languages and Automata	2	A	4.0	2021-Spring
20240103	Assembly Language Programming	3	A	4.0	2021-Summer
30240332	Java Program Design and Training	2	A-	4.0	2021-Summer
10720110	Physical Education(1)	0	A-	4.0	2021-Autumn
30240063	Principles of Signal Processing	3	A-	4.0	2021-Autumn
30240382	Principles and Practice of Compiler Construction	2	A	4.0	2021-Autumn
30700973	General Psychology	3	P	N/A	2021-Autumn
40240354	Computer Organization	4	B	3.3	2021-Autumn
40240513	Theory of Computer Network	3	A	4.0	2021-Autumn
40240572	Computer Network Security Technology	2	A	4.0	2021-Autumn
00701332	Gender and Science	2	A	4.0	2022-Spring
10720120	Physical Education(2)	0	A-	4.0	2022-Spring
20240033	Numerical Analysis	3	P	N/A	2022-Spring
30240243	Operating Systems	3	A	4.0	2022-Spring
30240422	Database Special Topic Training	2	A	4.0	2022-Spring
30240582	Introduction of Theory of Computation	2	A	4.0	2022-Spring
30700572	Culture Psychology	2	P	N/A	2022-Spring
40240443	Computer Architecture	3	A-	4.0	2022-Spring
40240595	Professional Practice	5	P	N/A	2022-Summer
14201082	English for Academic Purposes (A): Research Paper Writing	2	EX	N/A	2022-Autumn
14201092	English for Academic Purposes (A): Spoken Communication	2	EX	N/A	2022-Autumn
40240372	Information Retrieval	2	P	N/A	2022-Autumn
40240872	Media Computing	2	P	N/A	2022-Autumn
40240340	Diploma Project(Thesis)	15	A-	4.0	2023-Spring

****

Total Credits: 178.0   **GPA:** 3.97   **Date of Graduation:** June,2023   **Degree Conferred:** Bachelor of Engineering

Director of Registrar's Office:

Official Seal:

Date Printed: June 24, 2023

127F5D799C5639577587

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-		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

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

  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.