

TSINGHUA UNIVERSITY

ACADEMIC TRANSCRIPT

Student Name Li Jiangfan

Student No. 2016011819

Student Type Undergraduate

Date of Admission August,2016

School/Department Department of Automation

Major Automation

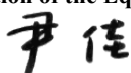
Course Number	Course Title	Credit	Grade	Points	Equivalent	Year-Semester
					100-point value*	
12090043	Military Theory and Skill Training	3	A-	4.0	92	2016-Summer
10421055	Calculus A(1)	5	C+	2.6	75	2016-Autumn
10421094	Linear Algebra(1)	4	A-	4.0	92	2016-Autumn
10610183	Ideological Moral and Legal Education	3	C+	2.6	75	2016-Autumn
10641032	Listening & Speaking for Academic Purposes (3)	2	B+	3.6	87	2016-Autumn
10720011	Physical Education(1)	1	B+	3.6	87	2016-Autumn
20120273	Engineering Graphics	3	B+	3.6	87	2016-Autumn
20440314	Inorganic and Analytical Chemistry	4	B	3.3	82	2016-Autumn
30250023	Computer Languages and Programming	3	B-	3.0	78	2016-Autumn
30340322	Introduction to Chemical Engineering and Polymer Science	2	P	N/A	N/A	2016-Autumn
60640082	Russian as Second Foreign Language(1)	2	A-	4.0	92	2016-Autumn
S1510021	Exploration to Scientific Research of Lab1	1	P	N/A	N/A	2016-Autumn
00130291	Micro/Nano Technology and Instruments	1	A-	4.0	92	2017-Spring
10421065	Calculus A(2)	5	B+	3.6	87	2017-Spring
10421102	Linear Algebra(2)	2	A-	4.0	92	2017-Spring
10430484	Physics for Scientists and Engineers B(1)	4	A	4.0	98	2017-Spring
10610193	Outline of Modern Chinese History	3	B+	3.6	87	2017-Spring
10720021	Physical Education(2)	1	B	3.3	82	2017-Spring
20220214	Principle of Circuits	4	A-	4.0	92	2017-Spring
20440333	Organic Chemistry B	3	A-	4.0	92	2017-Spring
20740073	Programming Fundamentals	3	P	N/A	N/A	2017-Spring
21510202	Electronic Technology Practice	2	B+	3.6	87	2017-Spring
20440532	Lab.of Inorganic and Analytical Chemistry B	2	W	N/A	N/A	2017-Spring
00701451	Advanced Philosophy of Specific Sciences	1	A-	4.0	92	2017-Summer
10641292	Foreign Language Application	2	P	N/A	N/A	2017-Summer
30250182	C++Programme Design and Training	2	B-	3.0	78	2017-Summer
00782131	Introduction to Art Appreciation	1	P	N/A	N/A	2017-Autumn
10420252	Introduction to Complex Analysis	2	A-	4.0	92	2017-Autumn
10430494	Physics for Scientists and Engineers B(2)	4	B	3.3	82	2017-Autumn
10430801	Lab. of Physics B(1)	1	A-	4.0	92	2017-Autumn
10610204	Principle of Marxist Philosophy	4	A-	4.0	92	2017-Autumn
10641022	Listening & Speaking for Academic Purposes (2)	2	B+	3.6	87	2017-Autumn
10720031	Physical Education(3)	1	B+	3.6	87	2017-Autumn
20220162	Lab. of Principle of Circuits	2	B+	3.6	87	2017-Autumn
20250103	Digital Electronics	3	B+	3.6	87	2017-Autumn
30250203	Data Structures	3	B+	3.6	87	2017-Autumn
42540371	Student Research Training for summer social practice project(1)	1	A	4.0	98	2017-Autumn
00250154	Interdisciplinary Research and Practice in Dept.of Automation A	4	B+	3.6	87	2018-Spring
00420033	Mathematical Modelling	3	B+	3.6	87	2018-Spring
10420803	Probability and Statistics	3	C-	2.0	68	2018-Spring
10430811	Lab. of Physics B(2)	1	B	3.3	82	2018-Spring
10641012	Listening & Speaking for Academic Purposes (1)	2	B+	3.6	87	2018-Spring

Total Credits: 208.0 **GPA:** 3.61 **Date of Graduation:** June,2021

Degree Conferred: Bachelor of Engineering

* Refer to the back for description of the Equivalent 100-point value

University Registrar:



Official Seal:

Date Printed: November 2, 2023

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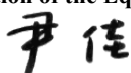
Course Number	Course Title	Credit	Grade	Points	Equivalent	Year-Semester
					100-point value*	
10641042	Listening & Speaking for Academic Purposes (4)	2	B+	3.6	87	2018-Spring
10720041	Physical Education(4)	1	B+	3.6	87	2018-Spring
20250064	Fundamentals of Analog Electronics	4	B+	3.6	87	2018-Spring
21550012	Laboratory of Electronic Circuits	2	A-	4.0	92	2018-Spring
30250064	Computer Principles and Applications	4	B	3.3	82	2018-Spring
40250144	Signals and System Analysis	4	C	2.3	71	2018-Spring
S1510031	Exploration to Scientific Research of Lab2	1	P	N/A	N/A	2018-Spring
21510082	Metal Working Technology Practice C	2	P	N/A	N/A	2018-Summer
21550033	Project of Electronic Circuits	3	B+	3.6	87	2018-Summer
40250521	Lab. of Computer Principles	1	B+	3.6	87	2018-Summer
00670143	Cinema as Culture	3	B+	3.6	87	2018-Autumn
10720110	Physical Education(1)	0	C+	2.6	75	2018-Autumn
30250093	Computer Networks and Applications	3	B+	3.6	87	2018-Autumn
30250212	Fundamentals of Power Electronics	2	B+	3.6	87	2018-Autumn
40250074	Automatic Control Theory(1)	4	A-	4.0	92	2018-Autumn
40250353	Digital Image Processing	3	B	3.3	82	2018-Autumn
40250443	Numerical Analysis and Algorithms	3	B+	3.6	87	2018-Autumn
40250861	Control Theory Experiments on Special topics(2)	1	B+	3.6	87	2018-Autumn
10610224	Introduction to Mao Zedong Thoughts and Theoretical System of Socialism with Chinese Characteristic	4	A-	4.0	92	2019-Spring
10720120	Physical Education(2)	0	B-	3.0	78	2019-Spring
20250193	Operations Research	3	B	3.3	82	2019-Spring
40250393	Intelligent Control of Robots	3	A	4.0	98	2019-Spring
40250762	Measurement Principle	2	B	3.3	82	2019-Spring
40250774	Electrical Driver and Motion Control System	4	B+	3.6	87	2019-Spring
40250831	Motion Control Experiments on Special topics(1)	1	B+	3.6	87	2019-Spring
42540163	College Student Research and Career-creation Program of Beijing City	3	P	N/A	N/A	2019-Spring
40250745	Practice of Speciality	5	A	4.0	98	2019-Summer
00690622	Appreciation of Ancient Chinese Poetry	2	B	3.3	82	2019-Autumn
30250333	Foundation of Artificial Intelligence	3	A-	4.0	92	2019-Autumn
42540023	Students Research Training	3	A+	4.0	100	2019-Autumn
80230632	Network Security Principle and Application	2	P	N/A	N/A	2019-Autumn
42540473	Beijing Training Program of Innovation and Entrepreneurship for Undergraduates	3	P	N/A	N/A	2020-Spring
14205054	German (Second Foreign Language) (1)	4	A-	4.0	92	2020-Autumn
30250143	Applied Stochastic Processes	3	B+	3.6	87	2020-Autumn
40250562	Intelligent Optimization Algorithms and Its Applications	2	P	N/A	N/A	2020-Autumn
40250650	Diploma Projects(Thesis)	15	A-	4.0	92	2021-Spring
14205064	German (Second Foreign Language) (2)	4	W	N/A	N/A	2021-Spring

Total Credits: 208.0 **GPA:** 3.61 **Date of Graduation:** June,2021

Degree Conferred: Bachelor of Engineering

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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.