

**TSINGHUA UNIVERSITY**  
**ACADEMIC TRANSCRIPT**

Student Name Zhang Songyuan

Student No. 2017011701

Student Type Undergraduate

Date of Admission August,2017

School/Department School of Aerospace Engineering

Major

Engineering Mechanics(Tsien Excellence in Engineering Program)

Course Number	Course Title	Credit	Grade	Points	Equivalent	
					100-point value*	Year-Semester
12090043	Military Theory and Skill Training	3	B+	3.6	87	2017-Summer
00701344	The Analysis of International Relations	4	A	4.0	98	2017-Autumn
10610183	Ideological Moral and Legal Education	3	B+	3.6	87	2017-Autumn
10641032	Listening & Speaking for Academic Purposes (3)	2	A-	4.0	92	2017-Autumn
10720011	Physical Education(1)	1	A	4.0	98	2017-Autumn
20120163	Fundamentals of Machine Design(1)	3	B+	3.6	87	2017-Autumn
30240233	Fundamentals of Programming	3	P	N/A	N/A	2017-Autumn
30420095	Advanced Calculus(1)	5	B+	3.6	87	2017-Autumn
30420124	Advanced Algebra and Geometry(1)	4	A-	4.0	92	2017-Autumn
40310612	Mechanics and Modern Engineering	2	P	N/A	N/A	2017-Autumn
S1510021	Exploration to Scientific Research of Lab1	1	P	N/A	N/A	2017-Autumn
10430194	Physics(2)	4	A	4.0	98	2018-Spring
10431064	University Physics(1)	4	A	4.0	98	2018-Spring
10440103	General Chemistry A	3	A	4.0	98	2018-Spring
10610193	Outline of Modern Chinese History	3	B+	3.6	87	2018-Spring
10641022	Listening & Speaking for Academic Purposes (2)	2	B+	3.6	87	2018-Spring
10690013	Roads to Academic	3	A	4.0	98	2018-Spring
10720021	Physical Education(2)	1	A	4.0	98	2018-Spring
20310522	Introduction to Aeronautics and Astronautics	2	P	N/A	N/A	2018-Spring
20420112	Advanced Algebra (2)	2	A-	4.0	92	2018-Spring
30420105	Advanced Calculus(2)	5	B	3.3	82	2018-Spring
21510082	Metal Working Technology Practice C	2	P	N/A	N/A	2018-Summer
00700972	Game Theory and Politics	2	P	N/A	N/A	2018-Autumn
10310054	Methods of Mathematical physics	4	A+	4.0	100	2018-Autumn
10420803	Probability and Statistics	3	A	4.0	98	2018-Autumn
10430782	Lab. of Physics A(1)	2	A-	4.0	92	2018-Autumn
10440111	Lab. of General Chemistry B	1	A-	4.0	92	2018-Autumn
10610204	Principle of Marxist Philosophy	4	A-	4.0	92	2018-Autumn
10641042	Listening & Speaking for Academic Purposes (4)	2	B+	3.6	87	2018-Autumn
10720031	Physical Education(3)	1	A-	4.0	92	2018-Autumn
20310516	Practice of Engineering System Design	6	A	4.0	98	2018-Autumn
30310765	Fundamentals of Dynamics and Control	5	A	4.0	98	2018-Autumn
00050083	Fundamental Geology	3	A	4.0	98	2019-Spring
00420204	Foundations of Scientific and Engineering Computing	4	A-	4.0	92	2019-Spring
10610224	Introduction to Mao Zedong Thoughts and Theoretical System of Socialism with Chinese Characteristic	4	A-	4.0	92	2019-Spring
10641082	Reading & Writing for Reviews	2	A-	4.0	92	2019-Spring
10720041	Physical Education(4)	1	A	4.0	98	2019-Spring
10720150	Swimming Competency Test	0	P	N/A	N/A	2019-Spring
20220044	Electrical Engineering and Applied Electronics	4	A	4.0	98	2019-Spring
20310564	Fluid Mechanics	4	A	4.0	98	2019-Spring
30310815	Foundation of Solid Mechanics	5	A-	4.0	92	2019-Spring
42540023	Students Research Training	3	A+	4.0	100	2019-Spring
42540163	College Student Research and Career-creation Program of Beijing City	3	P	N/A	N/A	2019-Spring

Total Credits: 173      GPA: 3.90      Date of Graduation: \*\*\*\*-\*\*\*\*

Degree Conferred: \*\*\*\*-\*\*\*\*

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

University Registrar:

尹佳

Official Seal:

Date Printed: October 18, 2020

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**Student Name** Zhang Songyuan

**Student No.** 2017011701

**Student Type** Undergraduate

**Date of Admission** August,2017

**School/Department** School of Aerospace Engineering

**Major**

Engineering Mechanics(Tsien Excellence in Engineering Program)

<b>Course Number</b>	<b>Course Title</b>	<b>Credit</b>	<b>Grade</b>	<b>Points</b>	<b>Equivalent</b>	
					<b>100-point value*</b>	<b>Year-Semester</b>
00510454	Principles of Economics	4	A+	4.0	100	2019-Autumn
10720110	Physical Education(1)	0	B+	3.6	87	2019-Autumn
11510023	Industrial System Basis	3	A	4.0	98	2019-Autumn
20310485	Thermodynamics and Statistical Physics	5	A	4.0	98	2019-Autumn
30310641	Introduction to System Science	1	B+	3.6	87	2019-Autumn
30310703	Innovative Experiment on The Fundamental Mechanics	3	B+	3.6	87	2019-Autumn
30310713	Frontiers of Mechanics and Engineering	3	P	N/A	N/A	2019-Autumn
20430154	Quantum Mechanics(1)	4	W	N/A	N/A	2019-Autumn
00240074	Data Structure	4	A-	4.0	92	2020-Spring
10450012	Introduction of Modern Biology	2	A	4.0	98	2020-Spring
10720120	Physical Education(2)	0	A	4.0	98	2020-Spring
20430064	Quantum Mechanics	4	A	4.0	98	2020-Spring
30310674	Finite Element Method	4	A	4.0	98	2020-Spring
30310788	Open Research for Innovative ChallengesORIC	8	A	4.0	98	2020-Spring
40420534	Methods of Optimization	4	B+	3.6	87	2020-Spring
42540343	National Training Programs of Innovation and Entrepreneurship for Undergraduate(1)	3	P	N/A	N/A	2020-Spring

\*\*\*\*\*

Total Credits: 173

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业务专用章  
(注册中心)

## KEY TO TRANSCRIPT

### I. COURSE NUMBERING SYSTEM

Each course number consists of 8 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: Withdrawn.
- (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 GRADINGSYSTEM: 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 through spring 2018, 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 fall 2018, 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.



# 清华大学

## 院系排名证明

## Ranking Certification

张淞源，学号：2017011701，为我院工程力学（钱学森力学班）专业的 2017 级本科生。截止 2020 年 10 月 30 日，该生在我院排名为第 2 名，我院 2017 级总人数为 140 人，特此证明。

This is to certify that Zhang Songyuan, student ID: 2017011701, undergraduate of class 2017 in the major of Engineering Mechanics (Tsien Excellence in Engineering Program), ranked 2 among 140 students in School of Aerospace Engineering. The ranking is based on the GPA calculated on October 30, 2020.



2020/11/3