BEIHANG UNIVERSITY Transcript of Academic Record

Student ID: XIONG ZICEN Gender: Male Date of Birth: Jan 10, 2000 Speciality: Flight Vehicle Design and Engineering (Astronautics)

Name: XIONG ZICEN Duration of study: Sep 2018 — Jun 2022 Level: Undergraduate student

Main Courses	Hours	Credits	Scores	Academic year/Semester	Main Courses	Hours	Credits	Scores	Academic year/Semester
Compulsory Courses					Outline of Modern China History	32	2	88	Spring 2019
Introduction to Aeronautics and Astronautics A	32	2	93	Fall 2018	Physical Education (Ⅲ)	16	0.5	100	Fall 2019
Introduction to the Frontiers of Control Science and Electrical Engineering	24	1.5	99	Fall 2018	Functions of Complex Variable and Integral Transforms	40	2.5	91	Fall 2019
Engineering Graphics (1)	56	3	91	Fall 2018	Mao Zedong Thought and the Theoretical System of Socialism with Chinese Characteristics	48	3	90	Fall 2019
General Chemistry (B)	48	2.5	90	Fall 2018	Bionic Aircraft	16	1	100	Fall 2019
Military Theory	32	2	88	Fall 2018	Electrical technology practice (0)	16	0.5	94	Fall 2019
Military Training	112	0	93	Fall 2018	Electrical Technology	56	3.5	87	Fall 2019
Mathematical Analysis for Engineering (Ⅰ)	96	6	85	Fall 2018	Introduction of navigation	8	0.5	A	Fall 2019
Physical Education (Ⅰ)	16	0.5	97	Fall 2018	Liberal Arts (Ⅲ)	32	0.5	A	Fall 2019
Linear Algebra	64	4	84	Fall 2018	The road to space(3)	8	0.5	B	Fall 2019
Ideological and Moral Cultivation and Basis of Law	32	2	90	Fall 2018	University Physics for Engineering (Ⅱ)	64	4	81	Fall 2019
College English A1	64	4	88	Fall 2018	Theoretical Mechanics (B)	64	4	91	Fall 2019
Liberal Arts (Ⅰ)	32	0.5	A	Fall 2018	Fundamental Physics Experiments(1)	32	1	94	Fall 2019
Mathematical Analysis for Engineering (Ⅱ)	96	6	91	Spring 2019	Liberal Arts (Ⅳ)	32	0.5	A	Spring 2020
College English A2	64	4	92	Spring 2019	Mechanics of Materials (A)	80	4.5	98	Spring 2020
Programming in ANSI C	48	2.5	87	Spring 2019	Mechanical Mechanism	48	3	95	Spring 2020
Mechanical Technology Practice B	64	2	89	Spring 2019	Mechanical Theory and Design Experiment	16	0.5	94	Spring 2020
Physical Education (Ⅱ)	16	0.5	100	Spring 2019	Basic Practice on Electrical Technology (Ⅰ)	48	1.5	95	Spring 2020
Engineering Graphics (2)	64	3.5	95	Spring 2019	The Course Syllabus of Marxism Basic Principle	48	3	91	Spring 2020
Liberal Arts (Ⅱ)	32	0.5	A	Spring 2019	Physical Education (Ⅳ)	17	0.5	100	Spring 2020
Travel with space elevator	8	0.5	A	Spring 2019	Air-breathing engines combustion	16	1	86	Spring 2020
University Physics for Engineering (Ⅰ)	64	4	86	Spring 2019	Fundamental Physics Experiments(2)	32	1	96	Spring 2020

GPA	Grade Point Average (GPA) = sum of course credit points / sum of course credits (Course credit point = course grade point × course credit) Notes: 1.Course grade point for 100 – grade system = 4 – 3 × (100-X)² / 1600 (60 ≤ X ≤ 100). X means the grade out of the 100-grade system. 100 grades = grade point 4, 60 grades = grade point 1, grades below 60 = grade point 0; 2.Five-scale system: A:4 (90-100Excellent),B: 3.5 (80-89Good),C: 2.8 (70-79Fair),P: 1.7 (60-69Pass),F: 0 (<60Fail);. 3. Two-scale system:(60-100P);(0-59N); not included in GPA, but in total credits. Notes: !: Double Degree @: Practical Training ^: Minor *: Exemption %: Make - up
3.80	

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Student ID: 18376372 Name: XIONG ZICEN

Main Courses	Hours	Credits	Scores	Academic year/Semester	Main Courses	Hours	Credits	Scores	Academic year/Semester
Analogue Circuits (A)	48	3	80	Spring 2020	Comprehensive Speciality Experiments	120	3	A	Fall 2021
Probability Theory and Mathematical Statistics A	48	3	96	Spring 2020	Graduation Design(Thesis)	640	8	B	Spring 2022
Digital Circuits B	32	2	97	Spring 2020	Liberal Arts (Ⅷ)	32	0.5	A	Spring 2022
Liberal Arts (Ⅴ)	32	0.5	A	Fall 2020	Selected Courses				
Mechanical Design	48	3	94	Fall 2020	Introduction to Radio Technology	16	1	92	Fall 2018
Physical Education (Ⅴ)	17	0.5	92	Fall 2020	Physical Effects and Application	16	1	90	Spring 2019
The Principles of Automatic Control(B)	48.0	3	90	Fall 2020	The road to space(2)	8	0.5	B	Spring 2019
Aerodynamics A	80	4.5	95	Fall 2020	Engineering Materials	32	2	91	Fall 2019
Space propulsion: history, present and future	8	0.5	98	Fall 2020	Operation and application basis of aerospace craft	24	1.5	A	Fall 2020
Basic Practice on Electrical Technology (Ⅱ)	32	1	95	Fall 2020	Contemporary Chinese Foreign Policy and Its Global Governance Approach	16	1	98	Fall 2020
Mechanics of Aerospace Structure	48	3	92	Fall 2020	Small Body Exploration Technology	16	1	98	Spring 2021
Practice in Production	120	3	A	Summer 2021	Missile Ballistics and Dynamic Analysis	32	2	99	Spring 2021
Comprehensive Practice of Mechanical Design A	120	3	A	Spring 2021	Missile and Launch Vehicle Aerodynamics Prediction	32	2	100	Spring 2021
Structural Design Principles for Aerospace Vehicles	40	2.5	88	Spring 2021	Introduction to Astronautical Engineering	24	1.5	90	Fall 2021
Fundamentals of Flight Dynamics	32	2	97	Spring 2021	Spacecraft Orbit and Attitude Dynamics	32	2	85	Fall 2021
Physical Education (Ⅵ)	16	0.5	97	Spring 2021	Guidance System of Missile and Launch Vehicle	32	2	79	Fall 2021
Liberal Arts (Ⅵ)	32	0.5	A	Spring 2021	Appreciation of Drawing and Painting	16.0	1	95	Fall 2021
Foundations of Astrodynamics	32	2	95	Spring 2021					
Liberal Arts (Ⅶ)	32	0.5	A	Fall 2021					
Physical Education (Ⅶ)	32	1	85	Fall 2021					
Spacecraft System Design	56	3.5	95	Fall 2021					
Specialized Course Project	120	3	B	Fall 2021					

GPA
3.80

Grade Point Average (GPA) = sum of course credit points / sum of course credits (Course credit point = course grade point × course credit)

Notes:

1.Course grade point for 100 – grade system = 4 – 3 × (100-X)2 / 1600 (60 ≤ X ≤ 100).
X means the grade out of the 100-grade system. 100 grades = grade point 4, 60 grades = grade point 1, grades below 60 = grade point 0;

2.Five-scale system: A:4 (90-100Excellent),B: 3.5 (80-89Good),C: 2.8 (70-79Fair),P: 1.7 (60-69Pass),F: 0 (<60Fail);.

3. Two-scale system:(60-100P);(0-59N); not included in GPA, but in total credits.

Notes: !: Double Degree @: Practical Training ^: Minor *: Exemption %: Make - up

北京航空航天大学 成绩证明专用章 SPECIAL SEAL FOR SCORES CHECKING BEIHANG UNIVERSITY