# BEIHANG UNIVERSITY

## Transcript of Academic Record



Student ID: 16231025 Gender: Male Date of Birth: Nov 2 , 1998 Speciality: Applied Physics

Name: Liu Binbin Duration of study: Sep 2016 — Jun 2020 Level: Undergraduate student

| Main Courses | Hours | Credits | Scores | Academic year/Semester | Main Courses | Hours | Credits | Scores | Academic year/Semester |
|---|---|---|---|---|---|---|---|---|---|
| Compulsory Courses | | | | | Subject Comprehensive Frontier Lecture | 32 | 0.0 | 90 | 1 / 2 |
| Military Training | 112 | 0.0 | 86 | 1 / 1 | Outline of Modern China History | 32 | 2.0 | 91 | 1 / 2 |
| Mathematical Analysis (Ⅰ) | 128 | 7.0 | 88 | 1 / 1 | Physical Education (Ⅱ) | 16 | 0.5 | 91 | 1 / 2 |
| Basic Chemistry (1) | 48 | 3.0 | 81 | 1 / 1 | Basic chemistry (2) | 48 | 3.0 | 86 | 1 / 2 |
| Liberal Arts (Ⅰ) | 32 | 0.5 | B | 1 / 1 | History of Chinese Philosophy | 18 | 1.0 | 94 | 1 / 3 |
| Design of Advanced Programming Language | 64 | 3.0 | 95 | 1 / 1 | Fundamental Physics Experiments A(Ⅰ) | 32 | 2.0 | 90 | 2 / 1 |
| Moral Principles and Legal Basis | 32 | 2.0 | 88 | 1 / 1 | Ordinary Differential Equations | 48 | 3.0 | 89 | 2 / 1 |
| Introduction to Aeronautics and Astronautics A | 32 | 2.0 | 76 | 1 / 1 | Mathematical-Physical Methodology I | 64 | 6.0 | 96 | 2 / 1 |
| Advanced Algebra (1) | 96 | 5.0 | 95 | 1 / 1 | Liberal Arts (Ⅲ) | 32 | 0.5 | A | 2 / 1 |
| College English: Listening, Speaking and Writing | 32 | 2.0 | 88 | 1 / 1 | Electromagnetism | 64 | 4.0 | 93 | 2 / 1 |
| English Reading and Writing | 32 | 2.0 | 86 | 1 / 1 | Optics | 48 | 3.0 | 96 | 2 / 1 |
| Physical Education (Ⅰ) | 16 | 0.5 | 88 | 1 / 1 | History of Modern Thinking | 48 | 3.0 | 92 | 2 / 1 |
| Subject Comprehensive Frontier Lecture (1) | 32 | 0.0 | 90 | 1 / 1 | Physical Education (Ⅲ) | 17 | 0.5 | 93 | 2 / 1 |
| Mathematical Analysis (Ⅱ) | 128 | 7.0 | 90 | 1 / 2 | Fundamental Physics Experiments A (Ⅱ) | 32 | 2.0 | 95 | 2 / 2 |
| Military Theory | 32 | 2.0 | 81 | 1 / 2 | College Chinese Language and Literature | 16 | 1.0 | 91 | 2 / 2 |
| English Critical Reading and Writing | 32 | 2.0 | 84 | 1 / 2 | Atomic Physics | 48 | 3.0 | 93 | 2 / 2 |
| Advanced Algebra (2) | 96 | 5.0 | 80 | 1 / 2 | Theoretical Mechanics | 48 | 3.0 | 90 | 2 / 2 |
| Introduction to Life Science | 32 | 2.0 | 80 | 1 / 2 | Liberal Arts (Ⅳ) | 32 | 0.5 | A | 2 / 2 |
| Liberal Arts (Ⅱ) | 32 | 0.5 | A | 1 / 2 | Probability Theory and Mathematical Statistics A | 48 | 3.0 | 81 | 2 / 2 |
| Fundamental Physics (1) | 96 | 5.0 | 91 | 1 / 2 | Physical Education (Ⅳ) | 17 | 0.5 | 94 | 2 / 2 |
| College English: Reading, Speaking and Writing | 32 | 2.0 | 85 | 1 / 2 | Mathematical Modeling | 48 | 3.0 | 95 | 2 / 2 |

| GPA | Grade Point Average (GPA) = sum of course credit points / sum of course credits (Course credit point = course grade point × course credit) |
|---|---|
| 3.778 | Notes:<br>1.Course grade point for 100 – grade system = $4-3\times(100-X)^2/1600$ ( $60 \leqslant X \leqslant 100$ ).<br>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;<br>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);.<br>3. Two-scale system:(60-100P);(0-59N); not included in GPA, but in total credits.<br>Notes: !: Double Degree @: Practical Training ^: Minor *: Exemption %: Make - up |

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## Transcript of Academic Record



Student ID: 16231025 Name: Liu Binbin

| Main Courses | Hours | Credits | Scores | Academic year/Semester |
|---|---|---|---|---|
| Marxism Basic Principle | 48 | 3.0 | 86 | 2 / 2 |
| Thermal Dynamics and Statistical Physics | 48 | 3.0 | 92 | 2 / 2 |
| Western Music History and Music Appreciation | 32 | 2.0 | 96 | 3 / 1 |
| Electrodynamics | 48 | 3.0 | 90 | 3 / 1 |
| Quantum Mechanics | 64 | 4.0 | 91 | 3 / 1 |
| Liberal Arts (V) | 32 | 0.5 | A | 3 / 1 |
| Experiment of Modern Physics (1) | 64 | 2.0 | 86 | 3 / 1 |
| Physical Education (V) | 17 | 0.5 | 93 | 3 / 1 |
| Computational Physics | 32 | 2.0 | 95 | 3 / 2 |
| Liberal Arts (VI) | 32 | 0.5 | A | 3 / 2 |
| Solid State Physics I | 48 | 3.0 | 87 | 3 / 2 |
| Physical Education (VI) | 17 | 0.5 | 92 | 3 / 2 |
| Experiment of Modern Physics (2) | 64 | 2.0 | 87 | 3 / 2 |
| Practice in Production | 120 | 3.0 | A | 3 / 3 |
| Liberal Arts (VII) | 32 | 0.5 | A | 4 / 1 |
| Professional physics experiment | 64 | 2.0 | 89 | 4 / 1 |
| Physical Education (VII) | 32 | 1.0 | 85 | 4 / 1 |
| Liberal Arts (VIII) | 32 | 0.5 | A | 4 / 2 |
| Graduation Design(Thesis) | 640 | 8.0 | B | 4 / 2 |
| College Assessment (2) | 40 | 1.0 | A | 4 / 2 |
| College Assessment (1) | 120 | 3.0 | A | 4 / 2 |

| Main Courses | Hours | Credits | Scores | Academic year/Semester |
|---|---|---|---|---|
| Practical English Writing | 32 | 2.0 | 93 | 4 / 2 |
| Selected Courses | | | | |
| Chorusing and Conducting | 16 | 1.0 | 98 | 1 / 2 |
| Entrepreneurial Foundation | 16 | 1.0 | 100 | 2 / 1 |
| The Appreciation of String Music | 16 | 1.0 | 99 | 2 / 1 |
| Fundamentals Photonics Technology | 32 | 2.0 | 95 | 2 / 3 |
| Introduction to Soild-state Physics | 32 | 2.0 | 95 | 2 / 3 |
| Appreciation of Opera | 16 | 1.0 | 96 | 3 / 1 |
| Entrepreneurship Training | 16 | 1.0 | 95 | 3 / 1 |
| Mathematical-Physical Methodology II | 48 | 3.0 | 100 | 3 / 1 |
| Specialized English | 32 | 2.0 | 94 | 3 / 1 |
| Advanced Quantum Mechanics | 48 | 3.0 | 94 | 3 / 2 |
| Front Topics of Particle Physics and Nuclear Physics(Chinese, English) | 32 | 2.0 | 98 | 3 / 2 |
| Nuclear Physics | 48 | 3.0 | 93 | 3 / 2 |
| Solid State Physics II | 32 | 2.0 | 95 | 4 / 1 |

| | |
|---|---|
| GPA | Grade Point Average (GPA) = sum of course credit points / sum of course credits (Course credit point = course grade point × course credit)<br>Notes:<br>1.Course grade point for 100 – grade system = 4 – 3 × (100-X)²/ 1600 ( 60 ≤ X ≤ 100 ).<br>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; |
| 3.778 | 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);.<br>3. Two-scale system:(60-100P);(0-59N); not included in GPA, but in total credits.<br>Notes: !: Double Degree @: Practical Training ^: Minor *: Exemption %: Make - up |

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BEIHANG UNIVERSITY

# 北京航空航天大學
# BEIHANG UNIVERSITY

## BEIHANG UNIVERSITY ACADEMIC TRANSCRIPT

Student Name: Liu Binbin

Gender:Male

School: School of Physics

Major: Physics

Nationality: The People's Republic of China

Student ID:SY2019159

Duration of study:Sep 2020-Oct 2022

Category:Master Student

| Course Number | Course Title | Credit | Grade | Academic Year & Semester |
|---|---|---|---|---|
| 08115301 | Management Seminar: Principles of Economics | 1 | P | 2020-2021 Autumn |
| 09113120 | Data Mining and Analysis | 2 | 87 | 2020-2021 Autumn |
| 19112302 | Group Theory | 4 | 98 | 2020-2021 Autumn |
| 19112307 | Quantum Optics | 4 | 96 | 2020-2021 Autumn |
| 19114302 | All-Around Introduction In Physics I | 1 | 99 | 2020-2021 Autumn |
| 19116203 | Experiments In Modern Physics I | 2 | 88 | 2020-2021 Autumn |
| 28111102 | Theory and Practice of Socialism with Chinese Characteristics | 2 | 83 | 2020-2021 Autumn |
| 00114508 | | 2 | 100 | 2020-2021 Spring |
| 00117202 | Academic Report | 1 | P | 2020-2021 Spring |
| 19112303 | Advanced Statistical Physics | 4 | 92 | 2020-2021 Spring |
| 19113102 | Quantum Many-Body Theory | 4 | 95 | 2020-2021 Spring |
| 19114301 | Scientific Writing and Report | 1 | 100 | 2020-2021 Spring |
| 19116204 | Experiments In Modern Physics II | 2 | 92 | 2020-2021 Spring |
| 28111103 | Introduction of Dialectics of Nature | 1 | 84 | 2020-2021 Spring |
| 00117201 | Report On The Choice of Thesis Subject | 1 | A | 2021-2022 Autumn |
| 12114113 | English For Academic Purposes | 2 | EX | 2021-2022 Autumn |

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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), D:1.7 (60-69Pass), F:0 (<60Fail);

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

Notes:T: Transfer Credit ; EX: Exempt ; R: Retake ; W: Withdraw

Total Credits: 34

GPA: 3.87

Printed Date: 2022-10-17



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