

北京航空航天大学

研究生学习成绩登记表

学生: 刘 铂 于 2018 年 9 月 至 2020 年 4 月
 在我校 计算机学院
 计算机科学与技术 专业学习

课程名称	学分	成绩
必修课程		
矩阵理论 A	3.0	71
人文专题课: 高技术战略与管理	1.0	通过
学术英语 (免)	2.0	90
算法设计与分析	3.0	87
高等计算机网络	3.0	74
中国特色社会主义理论与实践研究	2.0	83
密码学与网络安全	2.0	86
人机交互	2.0	80
自然辩证法概论	1.0	86
模式识别	2.0	88
计算机网络与通信实验	3.0	82
选修课程		
计算机图形学	2.0	90
机器学习	2.0	80

平均学分绩点 (GPA) = 所学课程学分绩点之和 / 所学课程学分之和 (课程学分绩点 = 课程绩点 × 学分)
 说明:
 1. 百分制课程绩点 = $4 - 3 \times (100 - X)^2 / 1600$ ($60 \leq X \leq 100$), 其中 X 为课程百分制分数; 100 分制绩点为 4, 60 分制绩点为 1, 60 分以下绩点为 0;
 2. 五级制课程绩点对应: 4 (优秀), 3.5 (良好), 2.8 (中等), 1.7 (及格), 0 (不及格);
 3. 两级制不计入 GPA, 但计入总学分。
 备 注: !: 双学位 @: 实践 ^: 辅修 *: 免修 %: 补考

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北京航空航天大学

BEIHANG UNIVERSITY

POST GRADUATE STUDENT TRANSCRIPT

NAME: Liu Bo GENDER: Male
 SPECIALITY: Computer Science and Technology
 DEPARTMENT(SCHOOL): School of Computer Science and Engineering
 DURATION OF STUDY: Sep 2018 — Apr 2020

Main Courses	Credits	Grade
Compulsory Courses		
Matrix Theory (A)	3.0	71
Specific Lectures on Humanity and Cultures: The Stratagem and Management of High English (For Master)	1.0	P, 2-scale
Algorithmic Design and Analysis	2.0	90
Advanced Topics in Computer Networks	3.0	87
Theory and Practice of Socialism with Chinese Characteristics	3.0	74
Cryptography and Network Security	2.0	83
Human-computer Interface	2.0	86
Introduction to Dialectics of Nature	2.0	86
Pattern Recognition	2.0	88
Computer Network and Communication Experiment	3.0	82
Selected Courses		
Computer Graphics	2.0	90
Machine Learning	2.0	80

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

- Course grade point for 100-grade system = $4 - 3 \times (100 - X)^2 / 1600$ ($60 \leq X \leq 100$).
 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;
 - Five-scale system: 4 (Excellent), 3.5 (Good), 2.8 (Fair), 1.7 (Pass), 0 (Fail);
 - Two-scale system: not included in GPA, but in total credits.
- Notes: !: Double Degree @: Practical Training ^: Minor *: Exemption %: Make-up

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BEIHANG UNIVERSITY



XIDIAN UNIVERSITY UNDERGRADUATE STUDENT RECORD

Name	Bo Liu		Student No.	14030110048		Sex	Male		
Date of Birth	19950303	Date of Enrollment	20140815		School Years	4 years			
Specialty	Computer Science and Technology								
Department	School of Computer Science and Technology								

Term	Course	Credit	Attribute	Grade	Term	Course	Credit	Attribute	Grade
2014/FA	Military Theory	2.0	C	87	2014/FA	Military Training	1.0	C	Passed
2014/FA	Professional Education (I)	0.3	C	90	2014/FA	Introduction of Computer and Programming Fundamental	5.0	C	92
2014/FA	College English (III)	4.0	C	80	2014/FA	Morals & Ethics & Fundamental of Law	3.0	C	82
2014/FA	College Students Occupational Development	1.0	C	70	2014/FA	Situation and Policy Education (I)	0.3	C	80
2014/FA	Physical Education (I)	1.0	C	77	2014/FA	Graphics Basics and Computer Drawing	2.0	SFO	92
2014/FA	Advanced Mathematics A (I)	6.0	C	80	2014/FA	Physics (I)	3.0	C	96
2015/SP	Discrete Mathematics (I)	3.5	C	69	2015/SP	Course Design of Programming Fundamental	1.0	C	Excellent
2015/SP	College English (II)	4.0	C	Excused	2015/SP	College English (IV)	4.0	C	86
2015/SP	College English Test Band 4	1.0	C	618	2015/SP	Theory of Marxism	3.0	C	83
2015/SP	The Psychological Health Education of College Students	1.0	C	Passed	2015/SP	Situation and Policy Education (II)	0.3	C	80
2015/SP	Physical Education (II)	1.0	C	75	2015/SP	Advanced Mathematics A (II)	6.0	C	90
2015/SP	Linear Algebra	3.0	C	92	2015/SP	Physics II	5.0	C	96
2015/SP	Physical Experiment (I)	1.0	C	Excellent	2015/FA	Professional Education (II)	0.3	C	Passed
2015/FA	Data Structure	4.0	C	99	2015/FA	Discrete Mathematics (II)	2.0	C	94
2015/FA	ACM/PCP Programming	2.0	PFO	90	2015/FA	College English (I)	4.0	C	Excused
2015/FA	CET-6	2.0	PFO	521	2015/FA	Advanced English (I)	3.0	C	80
2015/FA	Advanced Oral English	2.0	NS	99	2015/FA	Outline of Modern Chinese History	2.0	C	79
2015/FA	Situation and Policy Education (III)	0.3	C	Passed	2015/FA	Physical Education (III)	1.0	C	81
2015/FA	Fundamentals of Circuit Analysis	4.0	C	87	2015/FA	Circuit Signals and Systems Experiment (I)	0.5	C	78
2015/FA	Probability Theory and Mathematical Statistics	3.0	C	85	2015/FA	Physical Experiment (II)	1.0	C	Good
2015/FA	Metalworking Practice	2.0	C	85	2016/SP	Computer Organization and Architecture	5.5	C	83
2016/SP	Introduction to Mao Zedong Thought and the Theory of Socialism with Chinese Characteristics	6.0	C	88	2016/SP	Situation and Policy Education (IV)	0.3	C	General
2016/SP	Interpersonal Communication	2.0	HLO	85	2016/SP	The Culture of Ancient Chinese Strategy	2.0	HLO	90
2016/SP	Physical Education (IV)	1.0	C	80	2016/SP	Signals and Systems	4.0	C	88
2016/SP	Fundamentals of Analog Electronic Technology	4.0	C	89	2016/SP	Digital Circuits and Logic Design	3.0	C	97
2016/SP	Electronic Circuit Experiment (I)	1.0	C	Passed	2016/SP	Circuit Signals and Systems Experiment (II)	0.5	C	86
2016/FA	Professional Education (III)	0.2	C	Passed	2016/FA	Microcomputer Principle and System Design	3.0	C	70
2016/FA	Operating System	4.0	C	94	2016/FA	Computer Communication and Network	4.5	C	86
2016/FA	Database System	3.0	C	91	2016/FA	Course Design of Applied Electronic Technology	1.0	C	80
2016/FA	Course Design of Operating System	1.0	C	85	2016/FA	Course Design of Computer Organization and Architecture	1.0	C	90
2016/FA	Design and Analysis of Algorithms	2.5	SFO	98	2016/FA	Combinatorial Mathematics	2.0	SFO	97
2016/FA	Object-oriented Programming	2.5	SFO	85	2016/FA	Java Programming	3.0	SFO	93
2016/FA	Network Programming	3.0	SFO	80	2016/FA	Situation and Policy Education (V)	0.3	C	75
2016/FA	Electronic Circuit Experiment (II)	1.0	C	80	2016/FA	Electrical Assembly Practice	1.0	C	Good
2017/SP	Compiler Principle	3.0	C	89	2017/SP	Course Design of Microcomputer Principle and System Design	1.0	C	95
2017/SP	Artificial Intelligence	3.0	SFO	94	2017/SP	Software Engineering	3.0	SFO	86
2017/SP	Virtual Reality	2.0	SFO	86	2017/SP	Programming in Java web	2.0	SFO	81
2017/SP	Mobile Application Development	2.0	SFO	86	2017/SP	Data Warehouse and Data Mining	2.5	SFO	94
2017/SP	Software Architecture	3.0	SFO	97	2017/SP	Human-Computer Interaction Techniques	2.0	SFO	93
2017/SP	Career Guidance	1.5	C	100	2017/SP	Situation and Policy Education (VI)	0.3	C	95
2017/SP	Capital's culture of Ancient Xi'an	2.0	HLO	86	2017/FA	Professional Education (IV)	0.2	C	90
2017/FA	Software Analysis and Testing	2.0	SFO	73	2017/FA	Comprehensive Engineering Design of Software	1.0	SFO	90
2017/FA	Translation of Scientific English into Chinese	2.0	PFO	84	2017/FA	Situation and Policy Education (VII)	0.2	C	94
2018/SP	Scientific Manufacturing (IV)	1.5	C	Passed	2018/SP	Undergraduate Thesis	16.0	C	Good

Total Credits	208	Compulsory Course Credits	156.5
Weighted average score	87	School Free Optional Course Credits	37.5

GPA	3.8	University Optional Course Credits	Public Free Optional Course Credits	6
			Non-standard Course Credits	2
			Humnities Limited Optional Course Credits	6

Course Attribute: SFO: School Free Optional; UFO: University Free Optional; NS: Non-Standard; LO: Limited Optional; C: Compulsory; HLO: Humnities Limited Optional; PFO: Public Free Optional

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Date Issue: Apr 28, 2020

