

学生学习成绩证明

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学号: 14151188

性别：男

出生日期: 1996 年 8 月 5 日

专业名称: 探测制导与控制技术(航天工程)

姓名：郝策

在校日期: 2014 年 9 月 — 2018 年 6 月

层次：本科

| 课 程 名 称 | 学时 | 学分 | 成绩 | 学年/学期 | 课 程 名 称 | 学时 | 学分 | 成绩 | 学年/学期 |
|--------------|-----|-----|-----|-------|--------------|-----|-----|----|-------|
| 必 修 课 程 | | | | | 工科大学物理 (2) | 64 | 4.0 | 89 | 2 / 1 |
| 航空航天概论 A | 34 | 2.0 | 90 | 1 / 1 | 机械工程技术训练 A | 140 | 3.5 | 89 | 2 / 1 |
| 体育 (1) | 15 | 0.5 | 100 | 1 / 1 | 工程材料 | 32 | 2.0 | 96 | 2 / 1 |
| 大学语文 | 32 | 2.0 | 80 | 1 / 1 | 体育 (3) | 15 | 0.5 | 98 | 2 / 1 |
| 形势与政策 (1) | 8 | 0.2 | 91 | 1 / 1 | 理论力学 A (1) | 64 | 4.0 | 94 | 2 / 1 |
| 大学计算机基础 | 44 | 2.0 | 89 | 1 / 1 | 思想政治理论课——概论 | 48 | 3.0 | 90 | 2 / 1 |
| 思想政治理论课——基础 | 32 | 2.0 | 91 | 1 / 1 | 形势与政策 (3) | 8 | 0.2 | 96 | 2 / 1 |
| 一元微积分 | 64 | 4.0 | 76 | 1 / 1 | 基础物理实验 A (2) | 32 | 2.0 | 88 | 2 / 2 |
| 军训 | 120 | 2.0 | 93 | 1 / 1 | 形势与政策 (4) | 8 | 0.3 | 95 | 2 / 2 |
| 画法几何 | 50 | 2.5 | 97 | 1 / 1 | 数字电路 A | 44 | 2.5 | 98 | 2 / 2 |
| 大学化学 B | 40 | 2.0 | 86 | 1 / 1 | 体育 (4) | 15 | 0.5 | 97 | 2 / 2 |
| 大学英语 (1) | 60 | 3.5 | 88 | 1 / 1 | 思想政治理论课——原理 | 48 | 3.0 | 88 | 2 / 2 |
| 工程认识 | 20 | 0.5 | 88 | 1 / 1 | 工作性社会实践 | 160 | 1.0 | 95 | 2 / 2 |
| 军事理论 | 32 | 2.0 | 78 | 1 / 2 | 机械原理 | 54 | 2.5 | 94 | 2 / 2 |
| 思想政治理论课——纲要 | 32 | 2.0 | 84 | 1 / 2 | 材料力学 A (2) | 58 | 3.5 | 92 | 2 / 2 |
| C 语言程序设计 | 48 | 2.5 | 94 | 1 / 2 | 理论力学 A (2) | 26 | 1.5 | 98 | 2 / 2 |
| 线性代数 | 60 | 4.0 | 87 | 1 / 2 | 加工工艺学 | 50 | 3.0 | 97 | 2 / 2 |
| 工科大学物理 (1) | 64 | 4.0 | 88 | 1 / 2 | 模拟电路 A | 48 | 3.0 | 99 | 2 / 2 |
| 理解与辩论 | 60 | 2.0 | 88 | 1 / 2 | 电气技术实践 (1) | 36 | 2.0 | 良好 | 2 / 2 |
| 多元微积分 | 48 | 3.0 | 86 | 1 / 2 | 机械设计 | 64 | 3.0 | 93 | 3 / 1 |
| 机械制图 | 60 | 3.0 | 91 | 1 / 2 | 电气技术实践 (2) | 36 | 2.0 | 优秀 | 3 / 1 |
| 形势与政策 (2) | 8 | 0.3 | 91 | 1 / 2 | 传感器技术与测试系统 | 56 | 3.5 | 80 | 3 / 1 |
| 高级英语读说写 | 60 | 2.0 | 88 | 1 / 2 | 概率统计 A | 48 | 3.0 | 98 | 3 / 1 |
| 体育 (2) | 16 | 0.5 | 100 | 1 / 2 | 体育 (5) | 16 | 0.5 | 94 | 3 / 1 |
| 认识性社会实践 | 80 | 1.0 | 95 | 1 / 2 | 数字信号处理 | 56 | 3.5 | 87 | 3 / 1 |
| 基础物理实验 A (1) | 32 | 2.0 | 91 | 2 / 1 | 微机原理及接口技术 | 76 | 4.0 | 92 | 3 / 1 |
| 电工技术 | 56 | 3.5 | 90 | 2 / 1 | 自动控制原理 A (1) | 58 | 3.5 | 98 | 3 / 1 |
| 复变函数与积分变换 | 40 | 2.5 | 95 | 2 / 1 | 电子工程技术训练 | 80 | 2.0 | 96 | 3 / 1 |
| 材料力学 A (1) | 40 | 2.5 | 95 | 2 / 1 | 形势与政策 (5) | 8 | 0.2 | 93 | 3 / 1 |

1. 成 绩: 优: 85-100 优秀 (4) 良: 70-84 良好 (3) 中: 60-69 中等 (2) 不及格: 0-59 不及格 (0) 通过: 60-100 (3.3) 不通过: 0-59 (0)

2. 备 注: !: 二学位 @: 实践 ^: 辅修 *: 免修 %: 补考

北京航空航天大学

学生学习成绩证明

学号: 14151188 姓名: 郝策

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| 课 程 名 称 | 学时 | 学分 | 成绩 | 学年/学期 | 课 程 名 称 | 学时 | 学分 | 成绩 | 学年/学期 |
|------------------|-----|-----|-----|-------|--------------------|----|-----|-----|-------|
| 数字图像处理 | 56 | 3.5 | 88 | 3 / 2 | 心理学基础 | 16 | 1.0 | 95 | 2 / 2 |
| 机械设计课程设计 A | 120 | 3.0 | 86 | 3 / 2 | 生产运作管理 | 32 | 2.0 | 61 | 2 / 2 |
| 经济管理 | 32 | 2.0 | 88 | 3 / 2 | 商务统计 | 32 | 2.0 | 92 | 2 / 2 |
| 制导与控制原理 | 48 | 3.0 | 77 | 3 / 2 | 人力资源管理 | 32 | 2.0 | 87 | 3 / 1 |
| 体育(6) | 16 | 0.5 | 95 | 3 / 2 | 市场营销 | 32 | 2.0 | 86 | 3 / 1 |
| 惯性导航基础 | 48 | 3.0 | 91 | 3 / 2 | 商业伦理与公司治理 | 32 | 2.0 | 87 | 3 / 1 |
| 电子电路设计训练 | 80 | 2.0 | 85 | 3 / 2 | 公司金融 | 32 | 2.0 | 90 | 3 / 2 |
| 生产实习 | 120 | 3.0 | 优秀 | 3 / 2 | 电子商务 | 32 | 2.0 | 66 | 3 / 2 |
| 自动控制原理 A (2) | 46 | 2.5 | 78 | 3 / 2 | 金融市场与金融工具 | 32 | 2.0 | 80 | 3 / 2 |
| 形势与政策(6) | 8 | 0.3 | 93 | 3 / 2 | 战略管理 | 32 | 2.0 | 90 | 4 / 1 |
| 体育(7) | 54 | 1.0 | 85 | 4 / 1 | 选 修 课 程 | | | | |
| 飞行动力学 | 32 | 2.0 | 92 | 4 / 1 | 大学生心理学 | 16 | 1.0 | 中等 | 1 / 1 |
| 模式识别基础 | 32 | 2.0 | 91 | 4 / 1 | 围棋 | 16 | 1.0 | 通过 | 1 / 1 |
| 航天器控制原理 | 32 | 2.0 | 93 | 4 / 1 | 20 世纪西方音乐大师及经典作品赏析 | 16 | 1.0 | 80 | 1 / 2 |
| 天文导航技术基础 | 32 | 2.0 | 81 | 4 / 1 | 中国共产党史 | 16 | 1.0 | 82 | 1 / 2 |
| 专业课程设计 | 132 | 1.5 | 优秀 | 4 / 1 | 合唱与指挥 | 16 | 1.0 | 93 | 1 / 2 |
| 专业综合实验 | 120 | 1.5 | 优秀 | 4 / 1 | 合唱与声乐艺术 | 16 | 1.0 | 良好 | 2 / 1 |
| 形势与政策(7)-知识产权 | 8 | 0.2 | 91 | 4 / 1 | 电子束概论 | 16 | 1.0 | 100 | 2 / 1 |
| 形势与政策(8)-知识产权 | 8 | 0.3 | 97 | 4 / 2 | 舞蹈艺术(1) | 16 | 1.0 | 85 | 2 / 2 |
| 毕业设计 | 640 | 8.0 | 良好 | 4 / 2 | 飞行器自动控制导论 | 16 | 1.0 | 83 | 2 / 2 |
| 双 学 位 课 程 | | | | | 创新创业理论和实践 | 16 | 1.0 | 91 | 3 / 1 |
| 职业生涯与规划 | 16 | 1.0 | 优秀 | 2 / 1 | 卡尔曼滤波基础 | 32 | 2.0 | 72 | 3 / 2 |
| 管理学基础 | 32 | 2.0 | 88 | 2 / 1 | 图像数据结构与算法 | 32 | 2.0 | 97 | 3 / 2 |
| 积极心理学 | 16 | 1.0 | 90 | 2 / 1 | Matlab 程序设计 | 32 | 2.0 | 84 | 3 / 2 |
| 经济学基础 | 32 | 2.0 | 82 | 2 / 1 | 航天器姿态控制系统设计 | 32 | 2.0 | 92 | 4 / 1 |
| 组织管理与领导力 | 32 | 2.0 | 96 | 2 / 2 | 基于 ARM 的现代电子技术实验 | 16 | 1.0 | 通过 | 4 / 1 |
| 创业实务 | 16 | 1.0 | 93 | 2 / 2 | 飞行控制技术 | 32 | 2.0 | 优秀 | 4 / 1 |
| 财务会计 | 32 | 2.0 | 87 | 2 / 2 | GPS 定位导航原理与应用 | 32 | 2.0 | 通过 | 4 / 1 |
| 商业环境全景仿真(VBSE)实验 | 32 | 2.0 | 100 | 2 / 2 | 艺术实践 | 32 | 2.0 | 通过 | 4 / 2 |

1. 成 绩: 优: 85-100 优秀 (4) 良: 70-84 良好 (3) 中: 60-69 中等 (2) 不及格: 0-59 不及格 (0) 通过: 60-100 (3.3) 不通过: 0-59 (0)

2. 备 注: !: 二学位 @: 实践 ^: 辅修 *: 免修 %: 补考

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北京航空航天大学



BEIHANG UNIVERSITY Transcript of Academic Record

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Student ID: 14151188 Gender: Male Date of Birth: Aug 5 , 1996 Speciality: Detection Guidance and Control Technology (Astronautics Engineering)

Name: Hao Ce Duration of study: Sep 2014 — Jun 2018 Level: Undergraduate student

| Main Courses | Hours | Credits | Scores | Academic year/Semester | Main Courses | Hours | Credits | Scores | Academic year/Semester |
|--|-------|---------|--------|------------------------|---|-------|---------|--------|------------------------|
| Compulsory Courses | | | | | University Physics for Engineering (II) | 64 | 4.0 | 89 | 2 / 1 |
| The Introduction to Aeronautics and Astronautics A | 34 | 2.0 | 90 | 1 / 1 | Mechanical Technology Practice A | 140 | 3.5 | 89 | 2 / 1 |
| Physical Education (I) | 15 | 0.5 | 100 | 1 / 1 | Engineering Materials | 32 | 2.0 | 96 | 2 / 1 |
| College Chinese Language and Literature | 32 | 2.0 | 80 | 1 / 1 | Physical Education (III) | 15 | 0.5 | 98 | 2 / 1 |
| Situation and Policy (I) | 8 | 0.2 | 91 | 1 / 1 | Theoretical Mechanics A(I) | 64 | 4.0 | 94 | 2 / 1 |
| University Computer Foundation | 44 | 2.0 | 89 | 1 / 1 | History of Modern Thinking | 48 | 3.0 | 90 | 2 / 1 |
| Moral Principles and Legal Basis | 32 | 2.0 | 91 | 1 / 1 | Situation and Policy (III) | 8 | 0.2 | 96 | 2 / 1 |
| Single Variable Calculus | 64 | 4.0 | 76 | 1 / 1 | Fundamental Physics Experiments A (II) | 32 | 2.0 | 88 | 2 / 2 |
| Military Training | 120 | 2.0 | 93 | 1 / 1 | Situation and Policy (IV) | 8 | 0.3 | 95 | 2 / 2 |
| Descriptive Geometry | 50 | 2.5 | 97 | 1 / 1 | Digital Circuits (A) | 44 | 2.5 | 98 | 2 / 2 |
| University Chemistry (B) | 40 | 2.0 | 86 | 1 / 1 | Physical Education (IV) | 15 | 0.5 | 97 | 2 / 2 |
| College English (I) | 60 | 3.5 | 88 | 1 / 1 | Marxism Basic Principle | 48 | 3.0 | 88 | 2 / 2 |
| Engineering Experience and Cognition | 20 | 0.5 | 88 | 1 / 1 | Social Practice | 160 | 1.0 | 95 | 2 / 2 |
| Military Theory | 32 | 2.0 | 78 | 1 / 2 | Mechanical Mechanism | 54 | 2.5 | 94 | 2 / 2 |
| Chinese Modern History | 32 | 2.0 | 84 | 1 / 2 | Mechanics of Materials A(II) | 58 | 3.5 | 92 | 2 / 2 |
| Programming Language C | 48 | 2.5 | 94 | 1 / 2 | Theoretical Mechanics A(II) | 26 | 1.5 | 98 | 2 / 2 |
| Linear Algebra | 60 | 4.0 | 87 | 1 / 2 | Manufacturing Technology | 50 | 3.0 | 97 | 2 / 2 |
| University Physics for Engineering (I) | 64 | 4.0 | 88 | 1 / 2 | Analogue Circuits (A) | 48 | 3.0 | 99 | 2 / 2 |
| English Comprehension and Debating | 60 | 2.0 | 88 | 1 / 2 | Basic Practice on Electrical Technology (I) | 36 | 2.0 | B | 2 / 2 |
| Multivariable Calculus | 48 | 3.0 | 86 | 1 / 2 | Mechanical Design | 64 | 3.0 | 93 | 3 / 1 |
| Mechanical Drawing | 60 | 3.0 | 91 | 1 / 2 | Basic Practice on Electrical Technology (II) | 36 | 2.0 | A | 3 / 1 |
| Situation and Policy (II) | 8 | 0.3 | 91 | 1 / 2 | Sensor Technology and Measurement Systems | 56 | 3.5 | 80 | 3 / 1 |
| Advanced English Reading Speaking and Writing | 60 | 2.0 | 88 | 1 / 2 | Probability and Statistics A | 48 | 3.0 | 98 | 3 / 1 |
| Physical Education (II) | 16 | 0.5 | 100 | 1 / 2 | Physical Education (V) | 16 | 0.5 | 94 | 3 / 1 |
| Social Practice | 80 | 1.0 | 95 | 1 / 2 | Digital Signal Processing | 56 | 3.5 | 87 | 3 / 1 |
| Fundamental Physics Experiments A(I) | 32 | 2.0 | 91 | 2 / 1 | Principles of Microprocessor and Interface Technology | 76 | 4.0 | 92 | 3 / 1 |
| Electrical Technology | 56 | 3.5 | 90 | 2 / 1 | Automatic Control Theory A (1) | 58 | 3.5 | 98 | 3 / 1 |
| Complex Function and Integral Transformation | 40 | 2.5 | 95 | 2 / 1 | Electronic Technology Practice | 80 | 2.0 | 96 | 3 / 1 |
| Mechanics of Materials A (I) | 40 | 2.5 | 95 | 2 / 1 | Situation and Policy (V) | 8 | 0.2 | 93 | 3 / 1 |

1.Score: A: 85-100Excellent (4) B: 70-84Good (3) C: 60-69Average (2) F: 0-59Fail (0); P: 60-100Pass (3.3) N: 0-59No Pass (0)

2.Remark: !: Second Degree @: Practical Training ^: Minor *: Challenged %: Make - up

BEIHANG UNIVERSITY Transcript of Academic Record

Student ID: 14151188

Name: Hao Ce

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| Main Courses | Hours | Credits | Scores | Academic year/Semester | Main Courses | Hours | Credits | Scores | Academic year/Semester |
|---|-------|---------|--------|------------------------|--|-------|---------|--------|------------------------|
| Digital Image Processing | 56 | 3.5 | 88 | 3 / 2 | Introduction to Psychology | 16 | 1.0 | 95 | 2 / 2 |
| Course Project of Mechanical Design A | 120 | 3.0 | 86 | 3 / 2 | Production and Operations Management | 32 | 2.0 | 61 | 2 / 2 |
| Economic Management | 32 | 2.0 | 88 | 3 / 2 | Business Statistics | 32 | 2.0 | 92 | 2 / 2 |
| Foundamentals of missile guidance and control | 48 | 3.0 | 77 | 3 / 2 | Human Resource Management | 32 | 2.0 | 87 | 3 / 1 |
| Physical Education (VI) | 16 | 0.5 | 95 | 3 / 2 | Marketing | 32 | 2.0 | 86 | 3 / 1 |
| Foundations of Inertial Navigation System | 48 | 3.0 | 91 | 3 / 2 | Ethic and Corporate Governance | 32 | 2.0 | 87 | 3 / 1 |
| Electronic Circuits Design Training | 80 | 2.0 | 85 | 3 / 2 | Corporate Finance | 32 | 2.0 | 90 | 3 / 2 |
| Practice in Production | 120 | 3.0 | A | 3 / 2 | Electronic Commerce | 32 | 2.0 | 66 | 3 / 2 |
| Automatic Control Theory A(2) | 46 | 2.5 | 78 | 3 / 2 | Financial Markets and Instruments | 32 | 2.0 | 80 | 3 / 2 |
| Situation and Policy (VI) | 8 | 0.3 | 93 | 3 / 2 | Strategic Management | 32 | 2.0 | 90 | 4 / 1 |
| Physical Education (VII) | 54 | 1.0 | 85 | 4 / 1 | Selected Courses | | | | |
| Flight Dynamics | 32 | 2.0 | 92 | 4 / 1 | College Student Psychology | 16 | 1.0 | C | 1 / 1 |
| Foundation of Pattern Recognition | 32 | 2.0 | 91 | 4 / 1 | Go Chess | 16 | 1.0 | P | 1 / 1 |
| Principle of spacecraft control | 32 | 2.0 | 93 | 4 / 1 | Western Music and Musicians in the 20th Century | 16 | 1.0 | 80 | 1 / 2 |
| Fundamentals of Celestial Navigation | 32 | 2.0 | 81 | 4 / 1 | History of Chinese Communist Party | 16 | 1.0 | 82 | 1 / 2 |
| Specialized Course Project | 132 | 1.5 | A | 4 / 1 | Chorus and Conducting | 16 | 1.0 | 93 | 1 / 2 |
| Comprehensive Speciality Experiments | 120 | 1.5 | A | 4 / 1 | Vocal Music and the Art of Chorus | 16 | 1.0 | B | 2 / 1 |
| Situation and Policy (VII)-Intellectual Property | 8 | 0.2 | 91 | 4 / 1 | Introduction of the Electron Beam | 16 | 1.0 | 100 | 2 / 1 |
| Situation and Policy (VIII)-Intellectual Property | 8 | 0.3 | 97 | 4 / 2 | The Body Training (1) | 16 | 1.0 | 85 | 2 / 2 |
| Graduation Design(Thesis) | 640 | 8.0 | B | 4 / 2 | Introduction to Automatic Control of Aerospace Vehicle | 16 | 1.0 | 83 | 2 / 2 |
| Double Degree | | | | | Theory and practice of Entrepreneurial Innovation | 16 | 1.0 | 91 | 3 / 1 |
| Career Planning and Development | 16 | 1.0 | A | 2 / 1 | Fundamentals of Kalman Filter | 32 | 2.0 | 72 | 3 / 2 |
| Fundamentals of Management Science | 32 | 2.0 | 88 | 2 / 1 | Image Data Structure and Algorithms | 32 | 2.0 | 97 | 3 / 2 |
| Positive Psychology | 16 | 1.0 | 90 | 2 / 1 | Matlab Programming | 32 | 2.0 | 84 | 3 / 2 |
| Introduction to Economics | 32 | 2.0 | 82 | 2 / 1 | Attitude Control System Design of Spacecraft | 32 | 2.0 | 92 | 4 / 1 |
| Organization Management and Leadership | 32 | 2.0 | 96 | 2 / 2 | Experiment on ARM of WinCE | 16 | 1.0 | P | 4 / 1 |
| Pioneering Practice | 16 | 1.0 | 93 | 2 / 2 | Flight Control Technology | 32 | 2.0 | 87 | 4 / 1 |
| Financial Accounting | 32 | 2.0 | 87 | 2 / 2 | GPS Positioning and Navigation Theory and Application | 32 | 2.0 | 87 | 4 / 1 |
| Virtual Business Simulation Environment | 32 | 2.0 | 100 | 2 / 2 | Practice of Arts | 32 | 2.0 | 87 | 4 / 2 |
| 1.Score: A: 85-100Excellent (4) B: 70-84Good (3) C: 60-69Average (2) F: 0-59Fail (0); P: 60-100Pass (3.3) N: 0-59No Pass (0) 2.Remark: !: Second Degree @: Practical Training ^: Minor *: Challenged %: Make - up | | | | | | | | | |

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BEIHANG UNIVERSITY

