Academic Transcript for Bachelor Study

Name	Zhang Hengming	Sex	male	Date of Birth	Feb. 16, 2002
Student ID	2021112920	Period of Study			August 2021~present
School/Department	Faculty of Computing				
Major	Bioinformatics				
Remark	Studied in The National University of Singapore Jul. 2023-Jul. 2023				

Term	Course	Hour/ Credit	Type	Score
2021 Fall	PjBL and Technological Innovation	16/1.0	AC	83.0
	College Computer-Introduction to Computational Thinking D	32/2.0	AC	98.3
	College English Reading and Writing (Fundamental)	36/1.5	AC	85.0
	Linear Algebra and Analytic Geometry B	64/4.0	EC	98.0
	High-level Language Programming	48/3.0	EC	88.7
	Military Theory	36/2.0	AC	89.5
	Brain, Cognitive Science and Human Learning	16/1.0	AC	83.0
	The foundation and application of life science	16/1.0	AC	89.0
	Ideological morality and rule of law	40 /2.5	AC	95.0
	Practicum on Ideological and Political Theories	32/2.0	AC	88.0
	Physical Education	32/1.0	AC	66.0
	Calculus B(1)	88/5.5	EC	86.0
	Xi Jinping's outline of China's socialist ideology in the new era	32 /2.0	AC	88.0
	Introduction to Philosophy	24/1.5	AC	98.0
2022 Spring	Mental Health of College Students	16/1.0	AC	90.0
	College Physics B(1)	88/5.5	EC	84.6
	College English Listening and Speaking (Fundamental)	36/1.5	AC	80.1
	Set Theory and Graph Theory	48 /3.0	EC	87.0
	Physical Education	32/1.0	AC	61.0
	Calculus B(2)	88/5.5	EC	85.0
	Appreciation of Greek Mythology	24/1.5	AC	86.0
	Situation and Policy1	8/0.5	AC	88.0
	Compendium of Chinese Modern and Contemporary History	40/2.5	EC	94.0
	Major Interpretation	16/1.0	AC	85.0
2022 Summer	Military Skills	2weeks/ 2.0	AC	91.0
2022 Fall	Leadership for Innovative Startups	33/3.0	AC	94.4
	College Physics Experiments B	24/1.0	AC	86.0
	Probability Theory and Mathematical Statistics B	56/3.5	EC	91.5
2022 Fall	Introduction to Logic	46/3.0	AC	98.5
	Introduction to MaoZeDong Thought and the socialism theory of China characteristics system	64/4.0	EC	94.0
	Biological Big Bata Programming Practice	32/1.0	AC	84.2
	Biochemistry B	48/3.0	AC	88.8
	Data Structures and Algorithms	48/3.0	EC	94.0
	Mathematical Logic and Modern Algebra	48/3.0	EC	83.0
	Digital Logic and Digital System Design	48/3.0	AC	91.0
	Algorithmic Design and Analysis	32/2.0	EC	95.0
	Physical Education	16/0.5	AC	81.0
	Academic English-An Integrated Course	36/1.5	AC	82.0
	Intellectual Property Law	24/1.5	AC	95.0
	Innovative Startups	32/3.0	AC	99.0
	Computer Systems	48/3.0	EC	87.8
	Principles of Computer Organization	48/3.0	EC	87.2
2023 Spring	Basic principles of Marxism	48/3.0	EC	79.0
	An Introduction to Artificial Intelligence	32/2.0	AC	75.0
	The Informatics Basis of Biological Systems	30/1.0	AC	83.0
	Bioinformatics	48/3.0	EC	85.5
	Physical Education	16/0.5	AC	79.0
	Formal Languages and Automata	32/2.0	EC	93.6
	Situation and Policy2	16 /1.0	AC	95.0
	Selected Readings in British Literature	36/1.5	AC	90.1
2023 Summer	3D Printing Technology and Application	29/2.0	AC	98.0
	Selected Readings of Classics During the Renaissance	29/2.0	AC	100.0
2023 Fall	Neurobiology	32/2.0	EC	86.1
	Operating Systems	48/3.0	EC	90.5
	Big Data Analytics B	32/2.0	AC	84.9
	Genome Informatics	48/3.0	EC	87.0

Remark	Grade System: 1.percentage scale: 0-100; 2.pass/not pass scale: 60-100,'pass'; lower than 60,'not passed'. Type of Course: 1.EC: Examination Course; 2.AC: Assessment Course.
Total credits	163.0

Teaching Affairs Office

Date: Aug. 16, 2024

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Term	Course	Hour/ Credit	Type	Score
2023 Fall	Computer Networks	48/3.0	EC	92.1
	The Modern Course of European Civilization	34/2.0	AC	99.6
	Development and Practice of Biological Big Data Software	32/1.0	AC	92.0
	Database Systems	48/3.0	EC	88.8
	Genetics B	48/3.0	AC	97.0
2024 Spring	Tao Te Ching and the Life of Contemporary University Students	16/1.0	AC	98.2
	Principles of Compiling	48/3.0	EC	82.1
	Finance Knows Everything	32/2.0	AC	100.0
	Big Data System	32/2.0	AC	82.3
	Startup Basis for College Students	30/2.0	AC	99.1
	Molecular Biology	40/2.5	EC	88.6
	Advanced Database System	32/2.0	AC	79.0
	Brain Computer Interface Technology	32/2.0	AC	94.4
	Software Engineering	48/3.0	EC	89.1
	Systems Biology	48/3.0	EC	96.5
	Situation and Policy3	8/0.5	AC	93.0
	Medical text analysis	32/2.0	AC	88.0
2024 Summer	Artificial Intelligence and Computer Vision in Metaverse	16/1.0	AC	90.0

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Date: Aug. 16, 2024

HARBIN INSTITUTE OF TECHNOLOGY 哈尔滨工业大学 成绩证明专用章 Achievements Certificate

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