山东科技大学

SHANDONG UNIVERSITY OF SCIENCE AND TECHNOLOGY

学习成绩排名证明

兹证明__王泽楷__同学，性别__男__，学号__201903203219__，身份证号 370481200107110016，本科毕业于山东科技大学____电气信息____学院（系）__2019__级__通信工程__专业。该学生在四年本科学习期间，专业成绩排名第__1__名，本专业共__96__人。

特此证明。

辅导员签字：

教学副主任签字：

学院（系）盖章：

电气信息系

2023 年 11 月 10 日

Score Rank Certificate

This certifies that student Zekai Wang, male, student No. 201903203219, ID No.370481200107110016, has completed his undergraduate studies at Shandong University of Science and Technology, in the School (Department) of Electrical Information, class of 2019, majoring in Telecommunication Engineering. During the four-year undergraduate program, this student ranked 1st in major grades among 96 students.

Hereby certify.

Signature of Instructor:

Signature of Deputy Director of Teaching:

College (department) seal:

Date: November 10, 2023

山东科技大学学业及学分绩点成绩单

学号	201903203219	学院	电气信息系	班号	2019032032
姓名	王泽楷	专业	通信工程*	班名	通信工程*2019-2

课程名称	性质	学分	成绩	绩点
2019-2020学年 第 1 学期				
人生与人心	公选	1	65	1.5
有效沟通技巧	公选	1	100	5
基础英语	必修	7	72	2.2
入学教育、军训	必修	0	92	4.2
军事理论	公选	1	73	2.3
形势与政策(4-1)	必修	0.5	71	2.1
工程制图(CAD)	选修	2	70	2
体育(4-1)	必修	1	78	2.8
思想道德修养与法律基础	必修	3	64	1.4
高等数学(2-1)	必修	5	81	3.1
通信工程专业导论	选修	1	良	3.5
程序设计(C)	必修	3	63	1.3
2019-2020学年 第 2 学期				
人力资源管理：基于创新创业视角	公选	1	93.58	4.4
石文化与宝玉石鉴赏	公选	2	81.45	3.1
学术英语(3-1)	必修	7	85	3.5
大学生职业生涯规划	公选	1	75	2.5
形势与政策(4-2)	必修	0.5	75	2.5
物理实验(2-1)	必修	1	95	4.5
体育(4-2)	必修	1	98	4.8
大学物理(2-1)	必修	2	100	5
中国近现代史纲要	必修	3	76	2.6
高等数学(2-2)	必修	5	90	4
电路分析基础	必修	4	96	4.6
2020-2021学年 第 1 学期				
生命智能	公选	1	100	5
大脑的奥秘：神经科学导论	公选	1	99.65	5.0
学术英语(3-2)	必修	6	90#	2.1
形势与政策(4-3)	必修	0.5	83	3.3
物理实验(2-2)	必修	1	优	4.5
体育(4-3)	必修	1	78	2.8
大学物理(2-2)	必修	3	98	4.8
马克思主义基本原理	必修	3	90	4
工程数学(线性代数)	必修	2	99	4.9
Electrical Machines and Transformers	必修	2	74	2.4
Engineering Design and Build A	必修	2	90	4
模电数电实验课(2-1)	必修	0	优	4.5
模拟电子1(双语)	必修	3	97	4.7
MATLAB工程应用	公选	2	92	4.2
2020-2021学年 第 2 学期				
学术英语(3-3)	必修	6	90#	2.7
形势与政策(4-4)	必修	0.5	90	4
思想政治理论课综合实践	必修	2	优	4.5
体育(4-4)	必修	1	65	1.5
毛泽东思想和中国特色社会主义理论体系概论	必修	3	77	2.7
概率论与数理统计	必修	3	96	4.6
工程数学(复变函数与积分变换)	必修	2	95	4.5
Analog Electronics II	必修	2	86	3.6
Digital Electronics II	必修	2	90	4
高频电子线路实验课	必修	1	优	4.5
通信电路课程设计	必修	1	优	4.5
模电数电实验课(2-2)	必修	1	优	4.5
高频电子线路	必修	3	72	2.2
数字电子 I	必修	2	91	4.1
2021-2022学年 第 1 学期				
数字图像处理	公选	1	84.74	3.5
信号与线性系统实验课	必修	1	优	4.5
计算机与数据网络实验课	必修	1	优	4.5
数字信号处理实验课	必修	1	优	4.5
通信工程认识实习	必修	1	优	4.5
电子工艺实习	必修	1	良	3.5
数据结构与算法(C语言)	选修	3	90	4
Communication Systems	必修	2	72	2.2
计算机与数据网络	必修	2	90	4
数字信号处理	必修	2	92	4.2
信号与线性系统(双语)	必修	3	95	4.5
电磁场	必修	2	99	4.9
Python程序设计	公选	2	85	3.5
程序设计C(双语)	必修	2	95.0	4.5
2021-2022学年 第 2 学期				
区块链技术与应用	公选	1	100	5
数学建模	公选	2	优	4.5
Control Systems I	必修	2	91	4.1
通信原理实验课	必修	1	优	4.5
生产实习	必修	2	优	4.5
通信原理课程设计	必修	2	优	4.5
网络安全	选修	2	78	2.8
DSP设计与应用	选修	2	90	4
随机信号分析基础	选修	2	97	4.7
微波技术与天线	选修	2	90	4
通信原理	必修	3	94	4.4
2022-2023学年 第 1 学期				
创新创业实践	必修	2	优	4.5
创业人生	公选	1	100	5
创新中国	公选	1	99.3	4.9
走近核科学技术	公选	1	99.5	4.9
Networking and Antennas	必修	2	66	1.6
现代通信技术基础实验课	必修	1	良	3.5
通信系统设计	必修	2	优	4.5
数字图像处理	选修	2	86	3.6
现代移动通信系统	选修	3	96	4.6
现代交换技术	必修	2	90	4
现代通信技术基础	必修	2	90	4
2022-2023学年 第 2 学期				
从草根到殿堂：流行音乐导论	公选	1	97.01	4.7
犯罪与文明	公选	1	97.45	4.7
星海求知：天文学的奥秘	公选	1	99.22	4.9
毕业设计	必修	12	优	4.5
毕业实习	必修	4	优	4.5
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已取得总学分	其中包括	必修学分	选修学分	公选学分	历史平均成绩	历史平均学分绩点
193.00		151.00	19.00	23.00	88.75	3.72

备注：补考/重修/认定课程成绩加"#"标记　　　　第 1 页 共 1 页　　　　教务处（盖章）　　　　打印日期：2023年06月23日

Transcripts of Shandong University of Science and Technology

St.ID.	201903203219	College				Class No.		2019032032			
Name	WangZeKai	Specialty	Telecommunications Engineering			Class Name		Communications Engineering 2019-2			

Course Name	Course Type	Credits	Score	GPA	Course Name	Course Type	Credits	Score	GPA	Course Name	Course Type	Credits	Score	GPA
Fall Term 2019-2020					Basic Principles of Marxism	Compulsory	3.0	90	4.0	Signals and Linear Systems (Bilingual)	Compulsory	3.0	95	4.5
Human Life and Human Nature	Public Elective	1.0	65	1.5	Engineering Mathematics (Linearity Algebra)	Compulsory	2.0	99	4.9	Electromagnetic Field Theory	Compulsory	2.0	99	4.9
Effective Communication Skills	Public Elective	1.0	100	5.0	Electrical Machines and Transformers	Compulsory	2.0	74	2.4	Python Programming	Public Elective	2.0	85	3.5
Basic English	Compulsory	7.0	72	2.2	Engineering Design and Build A	Compulsory	2.0	90	4.0	Advanced C Programming Language(Bilingual)	Compulsory	2.0	95.0	4.5
Matriculation Education; Military Training	Compulsory		92	4.2	Analog Electronics and Digital Electronics Experiments(2-1)	Compulsory		Excellent	4.5	**Spring Term 2021-2022**				
Military Theory	Public Elective	1.0	73	2.3	Analog Electronics 1 (Bilingual)	Compulsory	3.0	97	4.7	Blockchain Technology and Application	Public Elective	1.0	100	5.0
Situation and Policy(4-1)	Compulsory	0.5	71	2.1	MATLAB and its Engineering Application	Public Elective	2.0	92	4.2	Mathematical Modeling	Public Elective	2.0	Excellent	4.5
Engineering Drawing(CAD)	Elective	2.0	70	2.0	**Spring Term 2020-2021**					Control Systems I	Compulsory	2.0	91	4.1
Physical Education(4-1)	Compulsory	1.0	78	2.8	Academic English(3-3)	Compulsory	6.0	90#	2.7	Principles of Communication Labs	Compulsory	1.0	Excellent	4.5
Ideological and Moral Cultivation and Legal Basis	Compulsory	3.0	64	1.4	Situation and Policy(4-4)	Compulsory	0.5	90	4.0	Production Practice	Compulsory	2.0	Excellent	4.5
Advanced Mathematics(2-1)	Compulsory	5.0	81	3.1	The Comprehensive Practice of Ideological and Political Theory Course	Compulsory	2.0	Excellent	4.5	Course Project of Communication Principles	Compulsory	2.0	Excellent	4.5
Introduction to Communication Engineering	Elective	1.0	Good	3.5	Physical Education(4-4)	Compulsory	1.0	65	1.5	Network Security	Elective	2.0	78	2.8
Programming and Problem Sloving C	Compulsory	3.0	63	1.3	The Introduction to MAO Ze-Dong Thought and the Theoretical System of Socialism with Chinese	Compulsory	3.0	77	2.7	DSP and Application	Elective	2.0	90	4.0
Spring Term 2019-2020					Probability and Statistics	Compulsory	3.0	96	4.6	Stochastic Process	Elective	2.0	97	4.7
Human Resource Management : Based on the Perspective of Innovation and Entrepreneurship	Public Elective	1.0	93.58	4.4	Engineering Mathematics (Complex Function &Integral Transformation)	Compulsory	2.0	95	4.5	Microwave Technology & Antenna	Elective	2.0	90	4.0
Appreciation of Gems and Jades Culture	Public Elective	2.0	81.45	3.1	Analog Electronics II	Compulsory	2.0	86	3.6	Principles of Communication	Compulsory	3.0	94	4.4
Academic English(3-1)	Compulsory	7.0	85	3.5	Digital Electronics II	Compulsory	2.0	90	4.0	**Fall Term 2022-2023**				
Career Development of College Students	Public Elective	1.0	75	2.5	Labs-High Frequency Electronic Circuits	Compulsory	1.0	Excellent	4.5	Innovation and Entrepreneurship Practice	Compulsory	2.0	Excellent	4.5
Situation and Policy(4-2)	Compulsory	0.5	75	2.5	Course Project of Communication Circuits	Compulsory	1.0	Excellent	4.5	Life for Entrepreneurship	Public Elective	1.0	100	5.0
Physics Experiments(2-1)	Compulsory	1.0	95	4.5	Analog Electronics and Digital Electronics Experiments(2-2)	Compulsory	1.0	Excellent	4.5	Innovative China	Public Elective	1.0	99.3	4.9
Physical Education(4-2)	Compulsory	1.0	98	4.8	High Frequency Electronic Circuits	Compulsory	3.0	72	2.2	Approaching Nuclear Science and Technology	Public Elective	1.0	99.5	4.9
College Physics(2-1)	Compulsory	2.0	100	5.0	Digital Electronics 1	Compulsory	2.0	91	4.1	Networking and Antennas	Compulsory	2.0	66	1.6
The Outline of Modern Chinese History	Compulsory	3.0	76	2.6	**Fall Term 2021-2022**					Labs-Modern Communication Technology	Compulsory	1.0	Good	3.5
Advanced Mathematics(2-2)	Compulsory	5.0	90	4.0	Digital Image Processing	Public Elective	1.0	84.74	3.5	Course Project of Communication System Design	Compulsory	2.0	Excellent	4.5
Circuit Theory	Compulsory	4.0	96	4.6	Labs-Signals and Linear Systems	Compulsory	1.0	Excellent	4.5	Digital Image Processing	Elective	2.0	86	3.6
Fall Term 2020-2021					Labs-Computer and Data Network	Compulsory	1.0	Excellent	4.5	Modern Mobile Communication System	Elective	3.0	96	4.6
Life Intelligence	Public Elective	1.0	100	5.0	Labs-Digital Signal Processing	Compulsory	1.0	Excellent	4.5	Modern Switching Technology	Compulsory	2.0	90	4.0
The Mystery of Cerebrum: Introduction of Neuroscience	Public Elective	1.0	99.65	5.0	Practice of Communications Engineering	Compulsory	1.0	Excellent	4.5	Modern Communication Technology	Compulsory	2.0	90	4.0
Academic English(3-2)	Compulsory	6.0	90#	2.1	Practice of Electronic Product	Compulsory	1.0	Good	3.5	**Spring Term 2022-2023**				
Situation and Policy(4-3)	Compulsory	0.5	83	3.3	Data Structure and Algorithm	Elective	3.0	90	4.0	from Grassroots to Palace: Introduction to Popular Music	Public Elective	1.0	97.01	4.7
Physics Experiments(2-2)	Compulsory	1.0	Excellent	4.5	Communication Systems	Compulsory	2.0	72	2.2	Crime and Civilization	Public Elective	1.0	97.45	4.7
Physical Education(4-3)	Compulsory	1.0	78	2.8	Computer and Data Network	Compulsory	2.0	90	4.0	Explore the Universe: the Mystery of Astronomy	Public Elective	1.0	99.22	4.9
College Physics(2-2)	Compulsory	3.0	98	4.8	Digital Signal Processing	Compulsory	2.0	92	4.2	Graduation Design	Compulsory	12.0	Excellent	4.5

Credit Total	Composed of	Compulsory Credits	Elective Credits	Public Elective Credits	Score Average	GPA Average
193.00		151.00	19.00	23.00	88.75	3.72

Note: mark the score of the make-up examination or restudy course with a hash (#); the score of the recognized course with an asterisk (*)

Academic Affairs Department(Seal)   Print Date：2023-06-23

Transcripts of Shandong University of Science and Technology

St.ID.	201903203219				College				Class No.	2019032032			
Name	WangZeKai				Specialty	Telecommunications Engineering			Class Name	Communications Engineering 2019-2			

Course Name	Course Type	Credits	Score	GPA	Course Name	Course Type	Credits	Score	GPA	Course Name	Course Type	Credits	Score	GPA
Graduation Practice	Compulsory	4.0	Excellent	4.5										
Blank														

Credit Total	Composed of	Compulsory Credits	Elective Credits	Public Elective Credits	Score Average	GPA Average
193.00		151.00	19.00	23.00	88.75	3.72

Note: mark the score of the make-up examination or restudy course with a hash (#); the score of the recognized course with an asterisk (*)

Academic Affairs Department(Seal)   Print Date：2023-06-23