



OFFICE OF THE UNIVERSITY REGISTRAR
Blacksburg, VA 24061

Student Name: Zhao, Charles Tb
Student ID: [REDACTED]
Date of Birth: [REDACTED]

STUDENT'S RECORD

Subject Title	Dept.	No.	Hrs.	Gr.	Qual.	Cr.	Subject Title	Dept.	No.	Hrs.	Gr.	Qual.	Cr.													
Undergraduate																										
MAJOR: General Engineering																										
Transfer Credit: Advanced Placement Attendance Period: Sum I 2020 Credits Accepted: 24.00																										
Transfer Credit: Advanced Standing Attendance Period: SS2021 Credits Accepted: 3.00																										
Transfer Credit: Pasadena City College Attendance Period: SU21 Credits Accepted: 3.00																										
Fall 2020																										
Foundations of Engineering	ENGE	1215	2	A-		7.4	Circuits and Devices	ECE	2024	3	B-		8.1													
Intro Multivariable Calculus	MATH	2204	3	B		9.0	Computational Engineering	ECE	2514	3	A		12.0													
Intro Discrete Math	MATH	2534	3	B		9.0	Fundamentals Digital Systems	ECE	2544	3	C+		6.9													
Morality and Justice	PHIL	1304	3	A		12.0	Travel & Tourism Management	HTM	2454	3	B		9.0													
Foundations of Physics	PHYS	2305	4	A-		14.8	Design Appreciation	ITDS	1114	3	A		12.0													
			15			52.2	Foundations of Physics	PHYS	2306	4	B+		13.2													
906 35 7212	TERM GPA: 3.48			Cum GPA: 3.48									61.2													
Spring 2021																										
General Chemistry																										
General Chemistry Laboratory																										
Introduction to ECE Concepts																										
Foundations of Engineering																										
First-Year Writing																										
World Regions																										
Introduction to Linear Algebra																										
													18													
													62.1													
906 35 7212	TERM GPA: 3.45			Cum GPA: 3.46																						
MAJOR: Computer Engineering																										
Fall 2021																										
Circuits and Devices																										
Computational Engineering																										
Fundamentals Digital Systems																										
Travel & Tourism Management																										
Design Appreciation																										
Foundations of Physics																										
													19													
906 35 7212	TERM GPA: 3.22			Cum GPA: 3.37																						
Spring 2022																										
Personal Financial Planning																										
Physical Electronics																										
Embedded Systems																										
Signals and Systems																										
Integrated Design Project																										
													14													
906 35 7212	TERM GPA: 3.26			Cum GPA: 3.35																						
MAJOR: Networking & Cybersecurity																										





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Subject Title	Dept.	No.	Hrs.	Gr.	Qual.	Cr.	Subject Title	Dept.	No.	Hrs.	Gr.	Qual.	Cr.
Summer 2022							Fall 2023						
Prob & Stat for EE	STAT	4714	3	A		12.0	Applied Software Design	ECE	3574	3	A		12.0
906 35 7212					3	12.0	Artif Intellig and Engr Appl	ECE	4524	4	B+		13.2
							Comp and Net Security Fund	ECE	4560	3	A		12.0
							Network Application Design	ECE	4564	3	A		12.0
							Senior Design Project	ECE	4805	3	A		12.0
										16			61.2
Fall 2022							906 35 7212						
Life in the Built Environment	ARCH	1044	3	A		12.0	TERM GPA: 3.82						
Plants and Civilization	BIOL	1064	3	A		12.0	Cum GPA: 3.58						
Principles Comp Architecture	ECE	3504	3	A-		11.1	Spring 2024						
Data Structures & Algorithms	ECE	3514	3	A		12.0	IS Security and Assurance	ACIS	4684	3	B+		9.9
Greek and Roman Myth	ENGL	2444	3	A-		11.1	Principles Computer Security	CS	4264	3	A		12.0
Human Sexuality	HD	2314	3	W		0.0	Senior Design Project	ECE	4806	3	A		12.0
Drug Education	PHS	3534	3	A		12.0	Advanced Machine Learning	ECE	5424	3	A		12.0
					21	70.2	Fundamentals of Info Security	ECE	5560	3	A		12.0
906 35 7212										15			57.9
Spring 2023							906 35 7212						
Cloud Software Development	CS	3754	3	W		0.0	TERM GPA: 3.86						
Intro to Computer Networking	ECE	3564	3	A		12.0	Cum GPA: 3.61						
Applied Software Design	ECE	3574	3	W		0.0	Conferred the Bachelor of Science in Computer Engineering						
Cybersecurity Seminar	ECE	4944	1	P		P/F	Major -- Networking & Cybersecurity						
Music Appreciation	MUS	1104	3	A		12.0	Magna Cum Laude, on MAY 08, 2024						
Introduction to Public Health	PHS	2004	3	A		12.0	Completed the Minor in Cybersecurity						
Intro App Collaborative Tech	TA	2404	3	A		12.0							
					19	48.0	*****End of Undergraduate Record*****						
906 35 7212													

Undergraduate Bachelors/Masters Program





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Subject Title	Dept.	No.	Hrs.	Gr.	Qual.	Cr.	Subject Title	Dept.	No.	Hrs.	Gr.	Qual.	Cr.											
Graduate Bachelors/Masters Program																								
Virginia Tech Bachelor/Master:																								
FS23-SS24																								
Comp and Net Security Fund	ECE	4560	3	A		12.0	*****End of Transcript*****																	
Principles Computer Security	CS	4264	3	A		12.0	Printed: MAY 29, 2025																	
Advanced Machine Learning	ECE	5424	3	A		12.0																		
Fundamentals of Info Security	ECE	5560	3	A		12.0																		
			12			48.0																		
Graduate Regular Masters																								
MAJOR: Computer Engineering																								
Fall 2024																								
Cybersecurity and the IoT	ECE	5480	3	A		12.0																		
IT Security and Trust	ECE	5585	3	A		12.0																		
SS:Industry Topics and Prof	ECE	5984	3	P		P/F																		
906 35 7212					9	24.0																		
TERM GPA: 4.00																								
Cum GPA: 4.00																								
Spring 2025																								
Cyber-Physical Systems	ECE	5434	3	A		12.0																		
System and Software Security	ECE	5590	3	A		12.0																		
Project and Report	ECE	5904	3	EQ		EQU CR																		
906 35 7212					9	24.0																		
TERM GPA: 4.00																								
Cum GPA: 4.00																								
Conferred the Master of Engineering																								
Major -- Computer Engineering																								
on MAY 14, 2025																								

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Richard A. Sparks, Jr.
University Registrar

