

Student Name: Zhao, Charles Tb
 Student ID: 906 35 7212
 Date of Birth: JUL 15, 2002

STUDENT'S RECORD

Subject Title	Dept.	No.	Hrs.	Gr.	Qual.	Cr.	Subject Title	Dept.	No.	Hrs.	Gr.	Qual.	Cr.
Undergraduate							Spring 2021						
MAJOR: General Engineering							General Chemistry	CHEM	1035	3	B+		9.9
Transfer Credit:							General Chemistry Laboratory	CHEM	1045	1	A-		3.7
Advanced Placement							Introduction to ECE Concepts	ECE	1004	3	B		9.0
Attendance Period: Sum I 2020							Foundations of Engineering	ENGE	1216	2	A-		7.4
Credits Accepted: 24.00							First-Year Writing	ENGL	1106	3	A		12.0
Transfer Credit:							World Regions	GEOG	1014	3	A		12.0
Advanced Standing							Introduction to Linear Algebra	MATH	2114	3	B-		8.1
Attendance Period: SS2021										18			62.1
Credits Accepted: 3.00							906 35 7212						TERM GPA: 3.45
Transfer Credit:													Cum GPA: 3.46
Advanced Standing							MAJOR: Computer Engineering						
Attendance Period: SU21							Fall 2021						
Credits Accepted: 3.00							Circuits and Devices	ECE	2024	3	B-		8.1
Fall 2020							Computational Engineering	ECE	2514	3	A		12.0
Foundations of Engineering	ENGE	1215	2	A-		7.4	Fundamentals Digital Systems	ECE	2544	3	C+		6.9
Intro Multivariable Calculus	MATH	2204	3	B		9.0	Travel & Tourism Management	HTM	2454	3	B		9.0
Intro Discrete Math	MATH	2534	3	B		9.0	Design Appreciation	ITDS	1114	3	A		12.0
Morality and Justice	PHIL	1304	3	A		12.0	Foundations of Physics	PHYS	2306	4	B+		13.2
Foundations of Physics	PHYS	2305	4	A-		14.8				19			61.2
			15			52.2	906 35 7212						TERM GPA: 3.22
906 35 7212													Cum GPA: 3.37
							Spring 2022						
							Personal Financial Planning	AAEC	2104	3	A		12.0
							Physical Electronics	ECE	2214	3	B		9.0
							Embedded Systems	ECE	2564	3	A		12.0
							Signals and Systems	ECE	2714	3	B-		8.1
							Integrated Design Project	ECE	2804	2	C+		4.6
										14			45.7
							906 35 7212						TERM GPA: 3.26
													Cum GPA: 3.35
							MAJOR: Networking & Cybersecurity						

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Summer 2022							Fall 2023						
Prob & Stat for EE	STAT	4714	3	A		12.0	Applied Software Design	ECE	3574	3	A		12.0
			3			12.0	Artif Intellig and Engr Appl	ECE	4524	4	B+		13.2
906 35 7212	TERM GPA: 4.00						Comp and Net Security Fund	ECE	4560	3	A		12.0
	Cum GPA: 3.37						Network Application Design	ECE	4564	3	A		12.0
							Senior Design Project	ECE	4805	3	A		12.0
Fall 2022										16			61.2
Life in the Built Environment	ARCH	1044	3	A		12.0	906 35 7212	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	TERM GPA: 3.90									15			57.9
	Cum GPA: 3.48						906 35 7212 TERM GPA: 3.86						
Spring 2023							Cum GPA: 3.61						
Cloud Software Development	CS	3754	3	W		0.0	Conferred the Bachelor of Science in Computer Engineering						
Intro to Computer Networking	ECE	3564	3	A		12.0	Major -- Networking & Cybersecurity						
Applied Software Design	ECE	3574	3	W		0.0	Magna Cum Laude, on MAY 08, 2024						
Cybersecurity Seminar	ECE	4944	1	P		P/F	Completed the Minor in Cybersecurity						
Music Appreciation	MUS	1104	3	A		12.0	*****End of Undergraduate Record*****						
Introduction to Public Health	PHS	2004	3	A		12.0							
Intro App Collaborative Tech	TA	2404	3	A		12.0							
			19			48.0							
906 35 7212	TERM GPA: 4.00												
	Cum GPA: 3.54												

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							*****End of Transcript***** Printed: MAY 29, 2025						
Virginia Tech Bachelor/Master:													
FS23-SS24													
Comp and Net Security Fund	ECE	4560	3	A		12.0							
Principles Computer Security	CS	4264	3	A		12.0							
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							
			9			24.0							
906 35 7212	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							
			9			24.0							
906 35 7212	TERM GPA: 4.00												
	Cum GPA: 4.00												
Conferred the Master of Engineering													
Major -- Computer Engineering													
on MAY 14, 2025													