

# Duke University

## Official Transcript

Name: Jihyeon Je  
Student ID: 2516282  
Print Date: 05/02/2023

### Academic Program

Program: Undergraduate Engineering  
Plan: Biomedical Engineering (BSE)  
Plan: Electrical and Computer Engineering (BSE2)  
Plan: Computer Science (BS2)  
Subplan: Artificial Intelligence and Machine Learning

Status: Active in Program

11/22/2021

11/22/2022

11/22/2023

### Beginning of Undergraduate Record

#### 2019 Fall Term

Course	Description	Earned	Grade
CHEM 20	GENERAL CHEMISTRY CREDIT	1.000	AP
COMPSCI 101L	INTRO TO COMPUTER SCIENCE	1.000	AP
ECON 22	INTRODUCTORY MACROECONOMICS	1.000	AP
ECON 21	INTRODUCTORY MICROECONOMICS	1.000	AP
HISTORY 23	AMERICAN HISTORY, I	1.000	AP
HISTORY 24	AMERICAN HISTORY, II	1.000	AP
MATH 21	INTRODUCTORY CALCULUS I	1.000	AP
MATH 22	INTRODUCTORY CALCULUS II	1.000	AP
PHYSICS 25	INTRODUCTORY PHYSICS I	1.000	AP

Course	Description	Earned	Grade
CHEM 110DL	HONORS CHEMISTRY	1.000	A
EGR 101L	ENGR DESIGN & COMMUNICATION	1.000	A
MATH 212	MULTIVARIABLE CALCULUS	1.000	A-
WRITING 101	ACADEMIC WRITING	1.000	A
Topic:	GEOGRAPHIC MUSES		
Term GPA	Term Earned	13.000	
Fall Dean's List			

#### 2020 Spring Term

Course	Description	Earned	Grade
BIOLOGY 201L	MOLECULAR BIOLOGY	1.000	S
CLST 354	ROMAN SPECTACLE	1.000	A
COMPSCI 201	DATA STRUCTURES AND ALGORITHMS	1.000	A
ECE 110L	FUND OF ELEC AND COMP ENGR	1.000	A-
MATH 216	LINEAR ALGEBRA & DIFF EQUATION	1.000	A
Term GPA	Term Earned	5.000	

#### 2020 Summer Term 1

Course	Description	Earned	Grade
CHEM 201DL	ORGANIC CHEMISTRY I	1.000	A
Term GPA	Term Earned	1.000	

#### 2020 Summer Term 2

Course	Description	Earned	Grade
MATH 353	ORD AND PRTL DIFF EQUATIONS	1.000	A
Term GPA	Term Earned	1.000	

#### 2020 Fall Term

Course	Description	Earned	Grade
BME 244L	QUANT PHYSIOLOGY BIostat APPL	1.000	B+
ECE 250D	COMPUTER ARCHITECTURE	1.000	A-
ECE 280L	INTRO TO SIGNALS AND SYSTEMS	1.000	B+
EGR 201L	MECHANICS OF SOLIDS	1.000	B+
PHYSICS 152L	INTRO ELECTRIC, MAGNET, OPTICS	1.000	A-
Term GPA	Term Earned	5.000	

#### 2021 Spring Term

Course	Description	Earned	Grade
ARTHIST 225	GOTHIC CATHEDRALS	1.000	A
BME 260L	MODELS CELL AND MOL SYSTEMS	1.000	A
BME 303L	MOD DIAG IMAGING SYSTEMS	1.000	B+
ECE 230L	MICROELECT DEVICES & CIRCUITS	1.000	A
MATH 230	PROBABILITY	1.000	A+
Term GPA	Term Earned	5.000	

#### 2021 Fall Term

Course	Description	Earned	Grade
BME 221L	BIOMATERIALS	1.000	A
COMPSCI 351	COMPUTER SECURITY	1.000	B
COMPSCI 371D	ELEMENTS OF MACHINE LEARNING	1.000	A
ECE 270DL	FIELDS AND WAVES	1.000	A
ECE 420	INTRO TO QUANTUM ENGINEERING	1.000	A
WRITING 271	REFLECTIVE WTG & INTERN/WORK	0.500	A
Term GPA	Term Earned	5.500	

#### 2022 Spring Term

Course	Description	Earned	Grade
BME 354L	INTRO MEDICAL INSTRUMENTATION	1.000	A-
BME 436L	BIOPHOTONIC INSTRUMENTATION	1.000	A
BME 535	BLAST AND BALLISTICS	1.000	A
COMPSCI 590	ADVANCED TOPICS IN CPS	1.000	A
Topic:	COMPUTATIONAL BIOLOGY		
ECE 392	PROJECTS IN ECE	1.000	A+
Topic:	RADIOMICS AND HABITAT ANALYSIS		
VMS 298S	FILM THEORY	1.000	A+
Term GPA	Term Earned	6.000	
Spring Dean's List			

#### 2022 Fall Term

Course	Description	Earned	Grade
BME 590	SPECIAL TOPICS	1.000	A
Topic:	CONNECTOMIC NEUROMODULATION		
COMPSCI 330	DESIGN/ANALY ALGORITHMS	1.000	A-
COMPSCI 590	ADVANCED TOPICS IN CPS	1.000	A
Topic:	NEUROSYMBOLIC ML		
ECE 623	QUANTUM INFORMATION THEORY	1.000	A
WRITING 271	REFLECTIVE WTG & INTERN/WORK	0.500	A
Term GPA	Term Earned	4.500	

#### 2023 Spring Term

Course	Description	Earned	Grade
BME 590	SPECIAL TOPICS	0.000	
Topic:	PROTEIN DESIGN W DEEP LEARNING		
CEE 411	ARCH ENGINEERING II	0.000	
COMPSCI 370D	INTRO TO AI	0.000	
ECE 494	PROJECTS IN ECE	0.000	
Topic:	PHYSICS-BASED DYNAMIC IMAG SIM		
ECE 590	ADVANCED TOPICS IN ECE	0.000	
Topic:	ADV TOPICS DEEP LEARNING		
Term GPA	Term Earned	0.000	

#### Undergraduate Career Earned

Cum GPA:	Cum Earned	End of Official Transcript
3.844	46.000	36.000

THE OFFICIAL SIGNATURE IS WHITE AND IS IMPOSED UPON THE INSTITUTIONAL SEAL

Jihyeon Je

Frank Blalark, University Registrar

THE NAME OF THE UNIVERSITY APPEARS IN WHITE ON THE FACE OF THIS 8 1/2 X 11 DOCUMENT

A BLACK AND WHITE DOCUMENT IS NOT OFFICIAL

# DUKE UNIVERSITY TRANSCRIPT GUIDE

**CREDIT, ALL SCHOOLS:** The Graduate and Professional Schools, except for the Divinity School, list credit in semester hours. Prior to 1969, credit for Trinity College of Arts & Sciences, the Pratt School of Engineering, and the Divinity School was recorded in semester hours. A semester-hour unit represents one lecture or recitation period of 50 minutes per week for a fifteen-week semester or its equivalent. Beginning Fall 1969, credit for Trinity, Pratt, and the Divinity School has been listed in semester-courses.

**NOTE: One semester-course credit unit is equivalent to four semester hours.**

**UNDERGRADUATE LOAD AND COURSE NUMBERING SYSTEM:** Since 1969, the normal undergraduate load has been four semester-course credits per semester. Full-time status requires three or more semester-course credits. For undergraduate matriculants from Fall 1969-Summer 1988, the graduation requirement was 32 semester-course credits; for matriculants in Fall 1988 and after, it is 34. From 1930-2012, introductory-level courses are numbered below 100; advanced-level courses are numbered 100 and above. Courses numbered 1-49 were primarily for first-year students; courses numbered 200-299 were primarily for seniors and graduate students. Effective Fall 2012, undergraduate (Trinity and Pratt), Graduate School, Nicholas School of the Environment, Sanford School of Public Policy, Divinity School and Fuqua School of Business courses were renumbered. In the new numbering scheme, courses numbered at the 100 level and below are introductory courses; 200- and 300-level courses are above introductory; 400-level courses are advanced undergraduate, capstone-type courses typically taken by seniors; 500- and 600-level courses are graduate courses open to advanced undergraduates; courses numbered 700 and above are for graduate students only. A more detailed description of the course numbering scheme and process can be found at the following website: <http://admin.trinity.duke.edu/course-renumbering>.

**DUKE KUNSHAN UNIVERSITY:** Beginning Summer 2014 Duke University began offering graduate and professional degree programs and undergraduate semester programs at Duke Kunshan University, in Kunshan, China. Credits and degrees are awarded through Duke University and are displayed as such on Duke University transcripts, with a notation indicating the coursework was taken through Duke Kunshan University.

## GRADING SYSTEMS

*Spring 2020: COVID-19 required changes to enrollment patterns and grading.*

### UNDERGRADUATE

*Trinity College of Arts & Sciences, Pratt School of Engineering, the School of Nursing, and the Woman's College:*

1967-present				1930-1955		Quality Points per semester hour
A+	4.0	C+	2.3	A	Exceptional	3
A	4.0	C	2.0	B	Superior	2
A-	3.7	C-	1.7	C	Satisfactory	1
B+	3.3	D+	1.3	D	Low Pass	0
B	3.0	D	1.0	F	Failure	
B-	2.7	D-	1.0	(1955-1967, quality points per semester hour carried one more point per semester hour.)		
		F	0.0			

In 1972, Trinity College and the Woman's College merged into the coeducational Trinity College of Arts & Sciences.

### GRADUATE AND PROFESSIONAL

*The Graduate School, Pratt School of Engineering, Nicholas School of the Environment, and Sanford School of Public Policy:*

Summer 2004-present				Through Spring 2004	
A+	4.0	B-	2.7	E	Excellent
A	4.0	C+	2.3	G	Good
A-	3.7	C	2.0	S	Satisfactory
B+	3.3	C-	1.7	F	Failure
B	3.0	F	0.0	P	Passing (Pass/Fail Course)

From Fall 1967, plus and minus signs have been possible. Through Spring 2004, the undergraduate grading system applies when a graduate student takes a course at the 100 level. All students admitted to The Graduate School, the Engineering Management program, and Sanford School of Public Policy in Summer 2004 and later will have a grade point average calculated, based on the scale noted above. No GPA is calculated for students admitted to those schools prior to Summer 2004. The Nicholas School of the Environment does not calculate a GPA.

*The Fuqua School of Business:*

Sept. 1980-present			Sept. 1977-Sept. 1980	
SP	4.0	Superior	A	Excellent
HP	3.5	High Pass	B	Superior
P	3.0	Pass	C	Average
LP	2.5	Low Pass	D	Low Pass
F	0.0	Failure	F	Failure

Prior to September 1977, the School of Business Administration used the same grading system as the Graduate School.

*The Divinity School:*

Fall 1971-present: the Divinity School has employed the same grading scale as the undergraduate schools.

1951-Fall 1971		Before 1951	
A	Excellent	E	95-100
B	Superior	G	85-94
C	Average	S	70-84
D	Inferior	F	69 & below
F	Failure		

*The School of Nursing:*

Spring 1993-present

A	4.0	C+	2.3
A-	3.7	C	2.0
B+	3.3	C-	1.7
B	3.0	F	0.0
B-	2.7		

From 1974-1992, plus and minus signs were not used.

*The Law School:*

Fall 2013-present

4.1-4.3	Exceptional (< = 5% of any course with 40 or more students)
2.0-4.0	Passing in ascending order of proficiency
1.5	Failing

Fall 2004-2013      Fall 1989-2004

4.1-4.3	4.1-4.5	Exceptional (< = 5% of any course with 40 or more students)
1.6-4.0	1.6-4.0	Passing in ascending order of proficiency
1.1-1.5	1.1-1.5	Failing

Fall 1971-Fall 1989

3.5-4.0	H	Honors
2.7-3.4	HP	High Pass
1.8-2.6	P	Pass
1.3-1.7	LP	Low Pass
1.0-1.2	F	Failure

### OTHER SYMBOLS (all schools):

—	Completed
*	No Credit
AD	Audited
AP	Advanced Placement Program Credit
CR	Credit Only
I	Incomplete
IPC	International Placement Credit
N	No grade reported at this time from instructor
NC	No Credit
P	Pass - in Pass/Fail course (after 1966)
S	Satisfactory - in Satisfactory/Unsatisfactory course (for undergraduates beginning Fall 2010)
TR	Transfer Credit
U	Failure - in Pass/Fail course (after 1966); Unsatisfactory - in Satisfactory/Unsatisfactory course (for undergraduates beginning Fall 2010)
W	Withdrew from course
WA	Withdrew from an Audited course
WE	Withdrew, Student Registration Error
WF	Withdrew, Failing (after 1974)
WI	Withdrew, Illness
WP	Withdrew, Passing (after 1974)
X	Absent from Examination (with excuse)
Z	Year-long course, grade given next semester

**ACCREDITATION:** Duke University is accredited by the Southern Association of Colleges and Schools, Atlanta, GA 30365.

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