KAIST
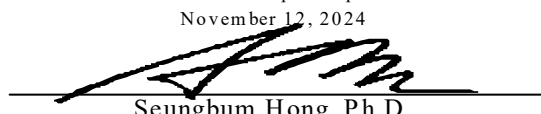**KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY**

291 Daehak-ro, Yuseong-gu, Daejeon 34141, Republic of Korea

ACADEMIC TRANSCRIPT
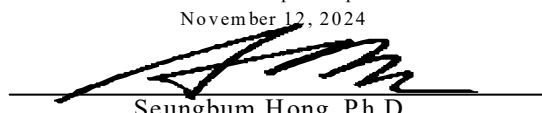
Student Number	: 20200844	Degree Program : Bachelor	
Name in Full	: Abbas Mammadov	Date of Birth : July 17, 2002	
Major	: School of Computing		

Double Major	: Department of Mathematical Sciences

Date of Admission	: August 31, 2020	Degree	:
Degree Conferred	:	Diploma No.	:

Code	Title	Credit	Grade	Code	Title	Credit	Grade
< Credits transferred >				**< Summer 2022 >**			
HSS023	Advanced English Listening	1.0	S	*INT485	National Internship Program III (Graduation Research)	3.0	S
HSS024	Advanced English Writing	1.0	S				
	Term Earned 2.0 Term GPA - (-)				Term Earned 3.0 Term GPA - (-)		
				< Fall 2022 >			
< Fall 2020 >				*CS459	Introduction to Services Computing	3.0	A-
*BS120	General Biology	3.0	B+	*CS492	Special Topics in Computer Science<Machine learning for computer vision>	3.0	A+
*CH101	General Chemistry I	3.0	S				
CH102	General Chemistry Experiment I	1.0	S	*CS492	Special Topics in Computer Science<Introduction to Deep Learning>	3.0	A+
*MAS101	Calculus 1	3.0	A+				
*PH141	General Physics I	3.0	S	*CS492	Special Topics in Computer Science<Foundations of AI, VR, MMORPG>	3.0	S
*PH151	General Physics Lab. I	1.0	A-				
*HSS025	Advanced English Reading	1.0	A+	*HSS361	Special Lecture on English Literature<English Literature in Postcolonial Period>	3.0	A0
HSS091	Exciting College Life	1AU	S				
	Term Earned 15.0 Term GPA 3.85 (95.50/100)				Term Earned 15.0 Term GPA 4.07 (97.70/100)		
< Spring 2021 >				**< Spring 2023 >**			
*CS101	Introduction to Programming	3.0	A-	*CS230	System Programming	3.0	A+
*MAS102	Calculus II	3.0	S	*CS447	Web Security Attack Laboratary	3.0	A0
*PH142	General Physics II	3.0	S	*MAS212	Linear Algebra	3.0	A+
*MAS109	Introduction to Linear Algebra	3.0	A+	*MAS241	Analysis 1	4.0	A+
*MAS201	Differential Equations and Applications	3.0	A-	AI495	Individual Study	1.0	S
*HSS022	English Presentation & Discussion	1.0	B+				
*HSS062	Humanity/Leadership III<Rock 101>	1AU	S		Term Earned 14.0 Term GPA 4.23 (99.30/100)		
*HSS090	Happy College Life	1AU	S	**< Fall 2023 >**			
*HSS159	Introduction to Economics	3.0	A0	*CS311	Computer Organization	3.0	A+
				*MAS477	Introduction to Graph Theory	3.0	A+
	Term Earned 19.0 Term GPA 3.87 (95.70/100)			*HSS328	Philosophy of Mathematics	3.0	A+
< Fall 2021 >				*HSS310	Special Topics in Economics<Modern Macroeocnomic Theory and Dynamic Programming>	3.0	A+
*MAS250	Probability and Statistics	3.0	A0				
*CS204	Discrete Mathematics	3.0	S	AI495	Individual Study	1.0	S
*CS206	Data Structure	3.0	A0				
*CS300	Introduction to Algorithms	3.0	S		Term Earned 13.0 Term GPA 4.30 (100.00/100)		
*MAS473	Introduction to Artificial Intelligence with Mathematics	3.0	A+	**< Spring 2024 >**			
HSS151	Korean3 for International Students	3.0	S	*CS320	Programming Language	3.0	A0
				*MAS311	Modern Algebra I	4.0	A0
	Term Earned 18.0 Term GPA 4.10 (98.00/100)			*MAS331	Topology	4.0	A-
< Spring 2022 >				*HSS405	Logic and Artificial Intelligence	3.0	A+
*CS348	Introduction to Information Security	3.0	B+				
*CS350	Introduction to Software Engineering	3.0	A0		Term Earned 14.0 Term GPA 3.97 (96.70/100)		
*CS376	Machine Learning	3.0	A-				
*CS470	Introduction to Artificial Intelligence	3.0	A+	Honor(Dean's List)			
MAS210	Introduction to Number Theory	3.0	A0	2023 Spring			
*MAS350	Elementary Probability Theory	3.0	A0				
*MAS478	Discrete Geometry	3.0	A+		– End of Record –		
*HSS060	Humanity/Leadership I<7H Leadership>	1AU	S				
	Term Earned 21.0 Term GPA 3.94 (96.40/100)						

Earned(Bachelor)	**134.0 credits**	**GPA(Bachelor)**	**4.04/4.3**	**Convert into a percentage(Bachelor)**	**97.40/100**

This official transcript was produced on
November 12, 2024

Seungbum Hong, Ph.D.
Vice President of Academic Affairs, KAIST

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TRANSCRIPT GUIDELINE

I. ACADEMIC CALENDAR

The Korea Advanced Institute of Science and Technology(KAIST) operates on an academic calender of 2 sixteen-week
semesters and 2 eight-week sessions(Summer and Winter).

II. CREDIT

The unit of credit is the semester hour. Each semester hour is equivalent to one class period (one hour in length) per week for sixteen weeks.
(two class periods per week the during 2 eight-week sessions)
Generally, a 3-credit course represents three class contact hours or equivalent per week during a sixteen-week semester.
Variations may occur as dictated by course requirements and workload, and as approved by the Curriculum Review Committee.

III. COURSE NUMBERING SYSTEM

000 - 99	Courses without credit
100 - 499	Bachelor's Courses
400 - 599	Courses accepted for credit as either Bachelor's or Master's courses
500 - 699	Master's Courses
700 - 899	Doctoral Courses

IV. GRADING SYSTEM

1. Grades Included in the Calculation of Grade Point Averages,

Grade	Explanation	Grade Point Per Credit
A+ , A0, A-	Outstanding Performance	4.3, 4.0, 3.7
B+ , B0, B-	Superior Performance	3.3, 3.0, 2.7
C+ , C0, C-	Satisfactory Performance	2.3, 2.0, 1.7
D+ , D0, D-	Minimal Pass	1.3, 1.0, 0.7

2. Grades Not Included in the Calculation of Grade Point Averages

W	Withdrawal
R	Retake
S	Satisfactory
U	Unsatisfactory
P	Pass

3. Grade Interpretation

A+ , A0, A- : OUTSTANDING PERFORMANCE
- Through exceptional performance on examinations and through accurate execution of all graded homework to the highest professional standard, the student has demonstrated exceptionally

deep understanding of the subject matter and the ability to use it accurately, quickly and confidently in new and unanticipated situations
with access only to essential reference material.

B+ , B0, B- : SUPERIOR PERFORMANCE - Through good performance on examinations and graded homework completed accurately to high professional standards, the student has demonstrated solid understanding of the course

material and the ability to apply it in routine situations quickly and without excessive access to reference material, and has shown the capability
of applying it in new and unanticipated circumstances, given sufficient time and reference material.

C+ , C0, C- : SATISFACTORY PERFORMANCE
- Through exams and graded homework, the student has demonstrated a basic understanding of the course material and the ability to apply
it in routine situations, given sufficient time and access to reference material.

D+ , D0, D- : MINIMAL PASS
- The student has not demonstrated sufficient competence to qualify for a grade of C- or better but does appear to have sufficient understanding and the ability to work with the subject matter in the most simple
situations fairly accurately, given sufficient time and access to similar examples and appropriate reference material.

F : NO CREDIT
- The student has failed to demonstrate sufficient competence to qualify for any of the above grades.

V. GRADUATION REQUIREMENTS

All undergraduate students must complete a minimum of 130/136 credits(students who admitted before 2015/after 2016) and achieve a minimum cumulative grade point average of 2.0.

All Master's students must complete a minimum of 33 credits.

All Ph.D students must complete a minimum of 60 credits.

All graduate students must achieve a minimum cumulative grade point average of 2.5.