MICHIGAN STATE UNIVERSITY
OFFICIAL ACADEMIC TRANSCRIPT
ISSUED TO STUDENT

CAI, XIANGBO

PRINTED: 10/28/2025
PAGE: 01 OF 01
ACADEMIC CAREER: 01 OF 02

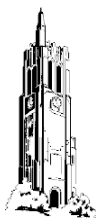**UIC: 6929422754**
STUDENT ID: 181378250

COURSE	TITLE	CRS	GRD	I EH	COURSE	TITLE	CRS	GRD	I EH

UNDERGRADUATE RECORD

TRANSFER CREDITS

TRANSFER CREDIT FROM MICHIGAN STATE UNIVERSITY
TRANSFER TOTALS: 3.00

TRANSFER CREDIT FROM WASHTENAW COMMUNITY COLLEGE
TRANSFER TOTALS: 11.00

ACADEMIC PROGRAM
PROGRAM: COLLEGE OF ENGINEERING
08/22/2025   ACTIVE IN PROGRAM
                  ELECTRICAL ENGINEERING
                  HONORS COLLEGE
                  COMPUTER ENGINEERING

FALL SEMESTER 2023

08/28/2023 - 12/15/2023

COURSE		TITLE	CRS	GRD	I EH
CEM	141	GENERAL CHEMISTRY	4.00	4.0	
CEM	161	CHEMISTRY LABORATORY I	1.00	4.0	
EGR	100	INTRO TO ENGINEERING DESIGN	2.00	4.0	
MTH	133	CALCULUS II	4.00	4.0	
WRA	101	WRITING AS INQUIRY	4.00	4.0	
	TERM TOTALS	15.00	TERM GPA	4.000	
	CUM TOTALS	18.00	CUM GPA	3.666	

TERM HONOR: DEAN'S LIST

SPRING SEMESTER 2024

01/08/2024 - 04/26/2024

COURSE		TITLE	CRS	GRD	I EH
CSE	231	INTRODUCTION TO PROGRAMMING I	4.00	4.0	
ECE	230	DIGITAL LOGIC FUNDAMENTALS	3.00	4.0	H
ISB	202	APPL ENVIR & ORGANISMAL BIO	3.00	4.0	
MTH	234	MULTIVARIABLE CALCULUS	4.00	4.0	
PHY	183	PHYS SCIENTISTS & ENGINEERS I	4.00	4.0	
	TERM TOTALS	18.00	TERM GPA	4.000	
	CUM TOTALS	36.00	CUM GPA	3.833	

TERM HONOR: DEAN'S LIST

SUMMER SEMESTER 2024

05/13/2024 - 08/15/2024

COURSE		TITLE	CRS	GRD	I EH
EGR	193	INTRO TO EXPERIENTIAL ED	1.00	P	
	TERM TOTALS	1.00	TERM GPA	N/A	
	CUM TOTALS	42.00	CUM GPA	3.833	

FALL SEMESTER 2024

08/26/2024 - 12/13/2024

COURSE		TITLE	CRS	GRD	I EH
CSE	232	INTRODUCTION TO PROGRAMMING II	4.00	4.0	
CSE	260	DISCRETE STRUCTURES COMP SCI	4.00	4.0	H
ECE	201	CIRCUITS AND SYSTEMS I	3.00	4.0	H
ECE	280	ELECTRICAL ENGR ANALYSIS	3.00	4.0	
LIN	401	INTRODUCTION TO LINGUISTICS	4.00	4.0	
	TERM TOTALS	18.00	TERM GPA	4.000	
	CUM TOTALS	60.00	CUM GPA	3.888	

TERM HONOR: DEAN'S LIST

SPRING SEMESTER 2025

01/13/2025 - 05/02/2025

COURSE		TITLE	CRS	GRD	I EH
CSE	331	ALGORITHMS AND DATA STRUCTURES	3.00	4.0	
ECE	202	CIRCUITS AND SYSTEMS II	3.00	4.0	H
ECE	203	CIRCUITS LAB	1.00	4.0	
ECE	331	MICROPROCESSORS & DIGITAL SYS	4.00	4.0	H
ECE	390	ETHICS & PROF & CONT ISSUES	1.00	4.0	
MTH	235	DIFFERENTIAL EQUATIONS	3.00	4.0	H
SOC	161	INTERNTL DEVEL & CHANGE	3.00	4.0	
	TERM TOTALS	18.00	TERM GPA	4.000	
	CUM TOTALS	81.00	CUM GPA	3.916	

TERM HONOR: DEAN'S LIST

FALL SEMESTER 2025

08/25/2025 - 12/12/2025

COURSE		TITLE	CRS	GRD	I EH
ECE	302	ELECTRONIC CIRCUITS	3.00	***	
ECE	303	ELECTRONICS LABORATORY	1.00	***	
ECE	313	CONTROL SYSTEMS	3.00	***	
ECE	366	INTRO TO SIGNAL PROCESSING	3.00	***	
ECE	377	PRINCIPLES OF ELECTRONIC DE	3.00	***	
ECE	830	EMBEDDED CYBER-PHYSICAL SYSTM	3.00	***	
KIN	108A	BASKETBALL I	1.00	***	
	TERM TOTALS	N/A	TERM GPA	N/A	
	CUM TOTALS	84.00	CUM GPA	3.916	

SPRING SEMESTER 2026

01/12/2026 - 05/01/2026

COURSE		TITLE	CRS	GRD	I EH
ECE	305	ELECTROMAG FIELDS & WAVES I	4.00	***	
ECE	320	ENERGY CONVER & POWER ELECTRON	3.00	***	
ECE	417	ROBOTICS	4.00	***	
ECE	456	COMPUTER AND COMM SECURITY	3.00	***	
ECE	457	COMMUNICATION SYSTEMS	3.00	***	
ECE	458	COMMUNICATION SYSTEMS LAB	1.00	***	
	TERM TOTALS	N/A	TERM GPA	N/A	
	CUM TOTALS	84.00	CUM GPA	3.916	

END OF UNDERGRADUATE RECORD
NON DEGREE RECORD BEGINS ON NEXT PAGE
------------------------------ NO ENTRIES BELOW THIS LINE------------------------

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Provided Solely For:

Xiangbo Cai

William S. Carrell
University Registrar

MICHIGAN STATE UNIVERSITY

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UIC: 6929422754
STUDENT ID: 181378250

COURSE	TITLE	CRS GRD	I EH	COURSE	TITLE	CRS GRD	I EH

NON DEGREE RECORD

ACADEMIC PROGRAM

PROGRAM: **NON DEGREE UNDERGRADUATE**
08/22/2023   **DISCONTINUED**
      LIFELONG EDUCATION

SUMMER SEMESTER 2023

07/05/2023 - 08/18/2023

Course	Title		CRS	GRD
MTH 132	CALCULUS I		3.00	2.0
TERM TOTALS	3.00	TERM GPA	2.000	
CUM TOTALS	3.00	CUM GPA	2.000	

END OF NON DEGREE RECORD

-------------------------------- **NO ENTRIES BELOW THIS LINE**------------------------

Provided Solely For:

Xiangbo Cai

William S. Carrell
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University Registrar

Accreditation

Michigan State University is a member of the Association of Public and Land-grant Universities, Association of American Universities, American Council on Education, American Council of Learned Societies, Association of Graduate Schools, Council of Graduate Schools, Committee on Institutional Cooperation, and International Association of Universities. The University has been accredited by the Higher Learning Commission, 230 South LaSalle Street, Suite 7-500, Chicago, IL 60604, (312)263-0456, hlcommission.org. Some individual programs, schools, and colleges have been recognized by the accrediting agencies in their respective fields. For a list, visit https://opb.msu.edu/functions/planning/agencies-accredit-msu.html.

Transcript Validation and Authenticity

A transcript is official when it bears the signature of the University Registrar and the University seal in black ink, is obtained directly from the Office of the Registrar at Michigan State University and is received by the person for whom it is intended. All paper-copy transcripts will be printed with black ink on paper with a green background which repeats "MICHIGAN STATE UNIVERSITY" over the entire page.

Calendar

The University offers instruction throughout the year during the fall semester, spring semester and summer sessions. Academic calendars are available at www.reg.msu.edu.

Credits

One credit is equivalent to one instructor-student contact hour per week per semester plus two hours of study per contact hour; OR two hours of laboratory contact hours per week per semester, plus one additional hour spent in report writing and study; or other combinations of contact and study hours which constitute an equivalent of these experiences. All quarter credits were converted to semester credits from Fall Quarter 1968 to Summer Quarter 1992.

Course Numbering System

001-099 – Non-Credit and Institute of Agricultural Technology Courses
100-299 – Undergraduate Courses
300-499 – Advanced Undergraduate Courses 500-599 – Graduate
Courses prior to 1960 500-699 – Graduate – Professional Courses
800-899 – Graduate Courses
900-999 – Advanced Graduate Courses

Honors

An "H" in the Honors column indicates an honors course, honors section of a course, or the student took a non-honors course as honors. The latter indicates additional work was completed beyond normal requirements.

Grading System

The minimum cumulative grade-point average required for graduation is a 2.0 for undergraduate students and 3.0 for graduate students.

The Numerical System: 4.0, 3.5, 3.0, 2.5, 2.0, 1.5, 1.0, 0.0 – Credit is awarded for the following minimum levels – 1.0 for undergraduate students and 2.0 for graduate students. However, all grades are counted in the calculation of the grade-point average.
S-Satisfactory – Credit granted represents a level of performance equivalent to 1.0 and higher for undergraduate students and 2.0 and higher for graduate students. NS-Not Satisfactory – No credit granted represents a level of performance below 1.0 for undergraduate students and below 2.0 for graduate students except for the College of Veterinary Medicine Doctor of Veterinary Medicine (DVM) students where NS represents performance below 1.0.
The Credit-No Credit System: CR-CREDIT – Credit was granted and represents a level of performance equivalent to or above the grade-point average required for graduation. NC-NO CREDIT – No credit was granted and represents a level of performance below the grade-point average required for graduation.
The Pass-No Grade System: P-PASS – Credit was granted and the student achieved a level of performance judged to

be satisfactory by the instructor. N-NO GRADE – No credit was granted and the student did not achieve a level of performance judged satisfactory by the instructor.

Other Symbols Used: W-WITHDREW; V-VISITOR; U–UNFINISHED, I-INCOMPLETE; DF- DEFERRED; ET-EXTENSION; NGR-NO GRADE REPORTED; CP-CONDITIONAL PASS; & LDR-LATE DROP.

Grading Systems prior to Fall 1988: Please visit www.reg.msu.edu/transcripts.

Grade Point Average (GPA)

To compute the grade-point average for a semester, multiply the numerical grade by the number of credits for the course to obtain the total grade points. Then divide the total grade points for the semester by the total credits for the semester.

The minimum grade-point average required for graduation is 2.0 for undergraduate students and 3.0 for graduate students.

Courses in which P, I, N, DF, W, ET, CP, CR, NC, U, S, NS or V have been received do not affect the grade-point average.

Grade Point systems prior to Summer 1972: Please visit www.reg.msu.edu/transcripts.

Repeated Courses

A course repeated is indicated in two ways:
1. By an E (Exclude) to the right column of the repeated course and
2. by an I (Include) in the right column of the repeated course.

Term credit and grade-point average (GPA) totals are adjusted for repeats in the affected terms The summary totals for the level of the student are adjusted to include only the last entry.

Withdrawal

A withdrawal from the University occurs when a student drops all courses within a semester. A student may voluntarily withdraw from the University prior to the end of the twelfth week of a semester or within the first 6/7 of the duration of the student's enrollment in a non-standard term of instruction (calculated in weekdays). Withdrawal is not permitted after these deadlines.

Courses in which the student is enrolled are deleted from the official record if the official voluntary withdrawal is before the middle of the term of instruction. If the official voluntary withdrawal is after the middle of the term of instruction, symbols are assigned by instructors to courses in which the student was enrolled as follows: W (no grade) to indicate passing or no basis for grade regardless of the grading system under which the student is enrolled, N to indicate failing in a course authorized for P-N grading, or 0.0 to indicate failing in a course authorized for numeric grading.

College of Law Grading System

The grades A, B, C, D, and F represent excellent, very good, good, inadequate but passing, and failure respectively. The grade "I" represents incomplete. The grade "W" indicates that the student withdrew. The grade "P" represents pass and the grade "F" represents fail. The grade "CR" signifies credit earned. The grade "NC" signifies no credit earned. The notation "Au" signifies audit.

As of fall 2017 the letter grades A+ and D- were added. Beginning in fall 2017 honor points are assigned as follows: A+ = 4.33 A= 4.00, A- = 3.67, B+ = 3.33, B = 3.00, 8- = 2.67, C+ = 2.33, C = 2.00, C- = 1.67, D+ = 1.33, D = 1.00, D- = .67, and F = 0. No credits are attached to "I", "W", "F" or "Au". A student earning the grade of "F" has failed to satisfy the requirements of the course.

College of Law Repeated Courses

A student earning a grade of "F" in any semester in any course required for graduation must repeat and successfully complete the required course with a passing grade of "C" or above within two (2) semesters. A repeated course may be counted only once toward credit for graduation. However, both grades will appear on the student's transcript and will be included in the calculation of the student's grade point average.

Jurisprudence Achievement Award (JP Award)

In recognition of student achievement in the study of law, Michigan State University College of Law will award the Jurisprudence Achievement Award (JP Award) to students who meet the criteria found in the MSU Law Student Handbook.

NOTE: Faculty are not required to grant a Jurisprudence Achievement Award for every course they instruct.

For current and historical grading systems, please visit law.msu.edu/registrar/transcript.html

Revised 11/2021