

University of Minnesota Official Transcript

Name : Haw,Alexander John
Student ID : 5243209
Birthdate : 3 - 17

Print Date: 12/18/2022

TERM GPA : 2.860 TERM TOTALS : 19.00 19.00 19.00 54.336

MOST RECENT PROGRAMS

Campus : University of Minnesota, Duluth
Program : UMD-Sci & Eng. Swenson Coll of
Plan : Electrical Engineering B S E E
Degree Sought : Bachelor of Science in Electrical Engineering
Advisor : Kwon,Taek Mu
Plan : Computer Engineering Minor

Fall Semester 2018
University of Minnesota, Duluth
UMD-Sci & Eng. Swenson Coll of
Electrical Engineering Major

Course	Description	Attempted	Earned	Grade	Points
EE 2006	Electrical Circuit Analysis	4.00	4.00	A	16.000
EE 2325	Microprocessor Systems	4.00	4.00	A	16.000
MATH 3280	Differential Equations	4.00	4.00	A-	14.668
PHYS 2015	General Physics II	4.00	4.00	B+	13.332
PHYS 2016	General Physics Lab II	1.00	1.00	A-	3.667
TERM GPA :	3.745	TERM TOTALS :	17.00	17.00	17.00

Term Honor: Dean's List

- - - - University of Minnesota Degrees and Certificates Awarded - - - -

Degree: Bachelor of Science in Electrical Engineering
Confer Date: 05/07/2021
Degree GPA: 3.366
Acad Program: UMD-Sci & Eng. Swenson Coll of
Plan: Electrical Engineering B S E E
Plan: Computer Engineering Minor

Transfer Credits
Transfer Credit from Anoka-Ramsey Community College
Semester Transfer Totals: 35.000

Transfer Credit from St Cloud State University
Semester Transfer Totals: 6.000

Test Credits

Test Credits Applied

Test Trans GPA: 0.000

Test Totals: 5.000 5.000 0.000

Attempted	Earned	Points
5.000	5.000	0.000

* * * * * Beginning of Undergraduate Record * * * * *

Fall Semester 2017

University of Minnesota, Duluth
UMD-Sci & Eng. Swenson Coll of
Electrical Engineering Major

Course	Description	Attempted	Earned	Grade	Points
AIR 1000	AFROTC GMC Lead Lab	0.00	0.00	W	0.000
AIR 1101	Foundations of USAF	0.00	0.00	W	0.000
CS 1511	Computer Science I	5.00	5.00	A-	18.335
ECON 1023	Principles of Econ: Micro	3.00	3.00	B+	9.999
EE 1001	Introduction to EE	2.00	2.00	A	8.000
MATH 1296	Calculus I	5.00	5.00	B	15.000
TERM GPA :	3.422	TERM TOTALS :	15.00	15.00	15.00

Spring Semester 2018

University of Minnesota, Duluth
UMD-Sci & Eng. Swenson Coll of
Electrical Engineering Major

Course	Description	Attempted	Earned	Grade	Points
CS 1521	Computer Science II	5.00	5.00	B	15.000
EE 1315	Digital Logic	4.00	4.00	B-	10.668
MATH 1297	Calculus II	5.00	5.00	B-	13.335
PHYS 2013	General Physics I	4.00	4.00	B	12.000
PHYS 2014	General Physics Lab I	1.00	1.00	B+	3.333

Spring Semester 2019

University of Minnesota, Duluth
UMD-Sci & Eng. Swenson Coll of
Electrical Engineering Major

Course	Description	Attempted	Earned	Grade	Points
EE 2111	Linear System, Signal Analysis	4.00	4.00	A	16.000
EE 2212	Electronics I	4.00	4.00	A	16.000
MATH 3298	Calculus III	4.00	4.00	B+	13.332
WRIT 3130	Adv Writ: Engineering	3.00	3.00	A-	11.001
TERM GPA :	3.756	TERM TOTALS :	15.00	15.00	15.00

Term Honor: Dean's List

Fall Semester 2019

University of Minnesota, Duluth
UMD-Sci & Eng. Swenson Coll of
Electrical Engineering B S E E

Course	Description	Attempted	Earned	Grade	Points
EE 3151	Control Systems	4.00	4.00	B	12.000
EE 3235	Electronics II	4.00	4.00	C	8.000
EE 3445	Electromagnetic Fields	3.00	3.00	A-	11.001
STAT 3611	Intro Probability, Statistics	4.00	4.00	B	12.000
TERM GPA :	2.867	TERM TOTALS :	15.00	15.00	15.00

Spring Semester 2020

University of Minnesota, Duluth
UMD-Sci & Eng. Swenson Coll of
Electrical Engineering B S E E

Course	Description	Attempted	Earned	Grade	Points
AMIN 2605	Survey of Amer Indian Art	3.00	3.00	A	12.000
CS 3111	Computer Ethics	4.00	4.00	B	12.000
EE 4611	Intro Solid State Semiconduct	3.00	3.00	A-	11.001
EE 5351	General Robotics	3.00	3.00	A	12.000
EE 5533	Grid	3.00	3.00	A-	11.001

Due to the COVID-19 pandemic, Satisfactory/Not Satisfactory grading permitted for many classes and degree requirements.

TERM GPA : 3.625 TERM TOTALS : 16.00 16.00 16.00 58.002

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Fall Semester 2020

University of Minnesota, Duluth
UMD-Sci & Eng. Swenson Coll of
Electrical Engineering B S E E
Computer Engineering Minor

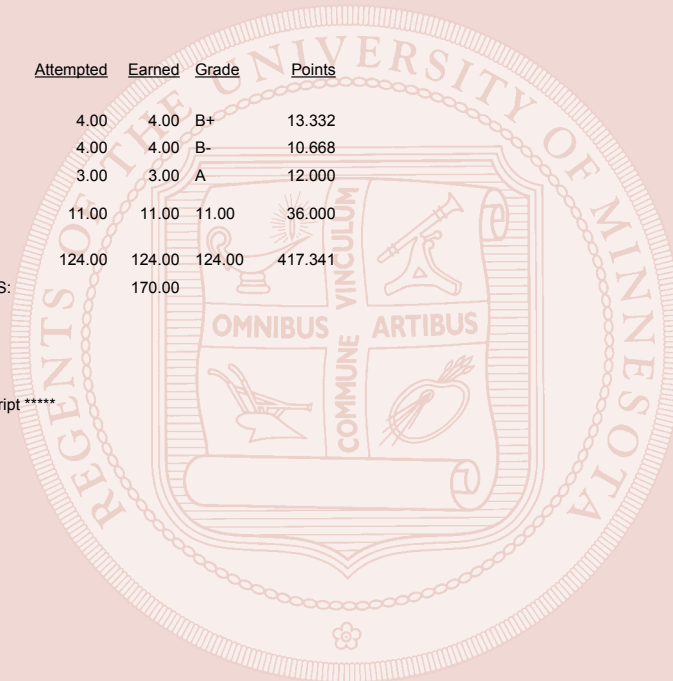
Course	Description	Attempted	Earned	Grade	Points
EE 4305	Computer Architecture	4.00	4.00	B-	10.668
EE 4501	Power Systems	4.00	4.00	B	12.000
EE 4899	Senior Design Project I	1.00	1.00	A	4.000
EE 5765	Modern Communication	4.00	4.00	A	16.000
ME 2105	Intro Material Science Engr	3.00	3.00	A	12.000
TERM GPA :	3.417	TERM TOTALS :	16.00	16.00	54.668

Spring Semester 2021

University of Minnesota, Duluth
UMD-Sci & Eng. Swenson Coll of
Electrical Engineering B S E E
Computer Engineering Minor

Course	Description	Attempted	Earned	Grade	Points
ANTH 1080	Understanding Global Cultures	4.00	4.00	B+	13.332
CS 2511	Software Analysis and Design	4.00	4.00	B-	10.668
EE 4999	Senior Design Project II	3.00	3.00	A	12.000
TERM GPA :	3.273	TERM TOTALS :	11.00	11.00	36.000
Undergraduate Career Totals					
CUM GPA:	3.366	UM TOTALS:	124.00	124.00	417.341
		UM + TRANSFER TOTALS:	170.00		

***** End of Transcript *****



Stacey Tidball
Stacey Tidball
Associate Vice Provost & University Registrar
University of Minnesota, Twin Cities

Transcript Key

Academic calendar

The semester system started Fall 1999 for all University of Minnesota campuses. Prior to Fall 1999 the University used a quarter system with these exceptions: Law school started on semesters Fall 1981, and some College of Continuing Education courses were taught on a semester calendar but the credits reported as quarter credits.

Accreditation

The University of Minnesota is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools.

Course (class) numbering system (from Fall 1999)

- 0000 to 0999 remedial courses
- 1000 to 1999 primarily for undergraduates in first year
- 2000 to 2999 primarily for undergraduates in second year
- 3000 to 3999 primarily for undergraduates in third year
- 4000 to 4999 primarily for undergraduates in fourth year, may be applied to a Graduate School degree with approval by the student’s major field and if taught by a member of the graduate faculty or an individual authorized by the program to teach at the graduate level
- 5000 to 5999 primarily for graduate students but third and fourth year undergraduates may enroll
- 6000 to 7999 for post-baccalaureate professional degree students
- 8000 to 9999 for graduate students

Prior course numbering systems

For Fall 1970 through Summer 1999 (course numbering prior to 1970 is noted in parentheses):

- 0000 to 0999 noncredit courses
- 1000 to 1999 (01 - 49) introductory courses primarily for freshmen and sophomores
- 3000 to 3999 (50 - 99) intermediate courses primarily for juniors and seniors
- 5000 to 5999 (100 - 199) advanced courses for juniors, seniors, and graduate students
- 8000 to 8999 (200 and higher) for graduate and professional school students

Credit

Starting Fall 1999 – units are semester credit
Prior to Fall 1999 – units generally are quarter credit (see calendar for exceptions)
Thesis credit – an asterisk (*) will appear following the course title of courses numbered 8777, 8888, or 8999 if the degree award is shown
An asterisk (*) indicates graduate credit taken though College of Continuing Education (Continuing Education and Extension prior to Fall 1999)

Grading policy (complete)

Available online at policy.umn.edu/Policies/Education/Education/GRADINGTRANSCRIPTS.html

Grading definitions

- A – achievement that is outstanding relative to the level necessary to meet course requirements
- B – achievement that is significantly above the level necessary to meet course requirements
- C – achievement that meets the course requirements in every respect
- D – achievement that is worthy of credit even though it fails to meet fully the course requirements
- E – achievement that is significantly greater than the level required to meet the basic course requirements but not judged to be outstanding
- F (or N) – represents failure (or no credit) and signifies that the work was either (1) completed but at a level of achievement that is not worthy of credit or (2) was not completed and there was no agreement between the instructor and the student that the student would be awarded an I (see also I)
- H – Honors (used by Law School and Medical School only)
- I – (Incomplete) assigned at the discretion of the instructor when, due to extraordinary circumstances, e.g., hospitalization, a student is prevented from completing the work of the course on time. Requires a written agreement between instructor and student
- K – assigned by an instructor to indicate the course is still in progress and that a grade cannot be assigned at the present time
- LP - low pass (used by Law School only)
- NG – no grade required
- NR - grade not reported
- O – represents outstanding achievement for Doctor of Medicine and Doctor of Veterinary Medicine programs
- P – achievement designating passing work
- Q – achievement designating passing work
- R – a course related registration symbol
- S – achievement that is satisfactory, which is equivalent to a C- or better for undergraduate students (C or better on the Duluth campus). Graduate and professional programs may establish higher standards for earning a grade of S.
- T – test credit
- V – registration as an auditor or visitor (a non-grade non-credit registration)
- W – entered by the registrar’s office when the student officially withdraws from a course after the second week
- X – reported by the instructor for a student in a sequence course where the grade cannot be determined until the sequence is complete – the instructor is to submit a grade for each X when the sequence is complete
- Y – assigned from Fall 1929 to Summer 1959 to indicate the student canceled while doing passing work
- Z – assigned from Fall 1929 to Summer 1959 to indicate the student canceled while doing failing work

On the Twin Cities campus from Fall 1972 through Summer 1977 and on the Morris campus from Fall 1972 through Summer 1985, the official University transcript included only positive academic achievements. Courses in which the student received a grade of N or a registration symbol of I or W did not appear on the transcript.

Grade/Numeric Point Average formula

Effective Fall 1997, grade point values were standardized for the University. All units except Law use: A = 4.000, A- = 3.667, B+ = 3.333, B = 3.000, B- = 2.667, C+ = 2.333, C = 2.000, C- = 1.667, D+ = 1.333, D = 1.000, F = 0.000, I = 0.000, K = 0.000, X = 0.000. Effective Fall 2004, the Twin Cities campus Law School uses University standard grading, with the addition of A+ = 4.333 and excluding D+. Before 1997, most units did not use +/- . But the Duluth campus and the School of Management used: A = 4.0, A- = 3.6, B+ = 3.3, B = 3.0, B- = 2.6, C+ = 2.3, C = 2.0, C- = 1.6, D+ = 1.3, D = 1.0, F = 0.0 and the Twin Cities General College used A = 4.0, A- = 3.6, B = 3.2, B- = 2.8, C+ = 2.4, C = 2.0, C- = 1.6, D = 1.2, D- = 0.8, F = 0.0. Prior to Fall 2004, the Twin Cities campus Law School used a numeric rather than a grade point average for the *juris doctor (J.D.)* degree program. Grades ranged from 4-16 points based on the following: 14-16: Excellent/Outstanding; 11-13: Substantially better than average; 8-10: Minimally acceptable; 5-7: Inadequate (credits count towards degree completion, and NPA); 4: Failing; 0: Non-performance. Classes for which a 0 grade was earned are not included in NPA calculation. Grades earned in the *LL.M.* (Master of Laws) program were: A=4.00, B=3.00, C=2.00, D=1.00, F=0.00. No +/- distinctions are given.

Symbols following course numbers

- C – certificate credit
- E – on Duluth campus, registration in Continuing Education, or on Twin Cities campus, an MBA course
- G – honors course for extra credit
- H – honors course
- J – evening MBA course for extra credit
- K – evening MBA course by independent study
- L – honors course by independent study
- M – extra credit by independent study
- Q – evening MBA extra credit by independent study
- R – honors extra credit by independent study
- S – semester registration (pre-1999)
- T – semester honors course (pre-1999)
- U – special term course taken for extra credit
- V – honors and writing intensive
- W – writing intensive
- X – extra credit
- Y – independent study
- Z – special term registration

Additional notations

Canceled means that all course registration was canceled (i.e., dropped) before the end of the second week of the term.

Degree with distinction indicates graduation with high GPA; **degree with honors** (laude) indicates completion of honors program.

Second Language Proficiency means demonstrated intermediate proficiency in reading, writing, listening, and speaking.

For more information, visit www.umn.edu

Campus Records office locations:

University of Minnesota, Crookston 9 Hill Hall Crookston, MN 56716-5001 218-281-8548 Dept of Educ Inst cd: 004069	University of Minnesota, Duluth 184 Darland Administration Building Duluth, MN 55812-3011 218-726-8000 Dept of Educ Inst cd: 002388	University of Minnesota, Morris 212 Behmler Hall Morris, MN 56267-2132 320-589-6030 Dept of Educ Inst cd: 002389	University of Minnesota, Twin Cities			333 Bruininks Hall Minneapolis, MN 55455 612-624-1111 Dept of Educ Inst cd: 003969	or	130 Coffey Hall St. Paul, MN 55108 612-624-1111	or	130 West Bank Skyway Minneapolis, MN 55455 612-624-1111	University of Minnesota, Rochester 111 South Broadway Rochester, MN 55904 507-258-8457 Dept of Educ Inst cd: 003969	The University of Minnesota, Waseca campus closed in 1992. For information on Waseca student transcripts, contact a Twin Cities office.
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