WALPOLE, HAYDEN J
Computer Engineering
University of Utah - Degree Audit

Prepared On	04/05/2024 02:58 PM	**Program Code**	MJ-CPEN	**Catalog Year**	Fall 2023
Student ID	01210998	**Job ID**	2409614585149538		

⊟ **Open All Sections**   ⊞ **Close All Sections**

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** WARNING: FEDERAL LAW PROHIBITS TRANSMITTAL TO A THIRD PARTY **

******************************************************************
**      This report is NOT an Official Transcript of Grades      **
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This  report has  been  designed to  assist you  with  planning
courses  to complete  all University degree requirements.  Every
effort has been  made to insure its accuracy; however, you have
the  responsibility  to  determine  whether  or  not  you  have
completed all degree requirements. Final confirmation of degree
requirements is subject to University approval.

Codes assigned to REPEATED Courses:
>R = Repeatable Course, Credit/GPA retained
>D = Course not repeatable for credit, Repeat currently in
     progress, No credit awarded, GPA retained
>X = No Credit/GPA awarded, Course not repeatable for credit

Term values for courses:    FA = Fall
                            SP = Spring
                            SU = Summer
                            WI = Winter
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AT LEAST ONE REQUIREMENT HAS NOT BEEN SATISFIED

Inquiries concerning University general requirements should be directed to the Academic Advising Center (801-581-8146). Inquiries about specific major requirements should be directed to the department offering the major.

✔   **MINIMUM U OF U GPA REQUIREMENT**
EARNED: *3.266 GPA*

⋯   **TOTAL HOUR REQUIREMENT**
IP   EARNED: 105.00 HOURS
    IN PROG: 22.00 HOURS

   ⋯   U OF U COURSE CREDIT HOURS THAT WERE COUNTED TOWARDS
         THE 122 TOTAL HOURS REQUIRED.

            66.00 HOURS EARNED
         IP -->   22.00 HOURS

   ✔   ACCEPTED TEST CREDIT COUNTED TOWARDS REQUIRED HOURS

            39.00 HOURS EARNED

***** REPEATED COURSES AND/OR COURSES WITH CR GRADES *****
***** TAKEN AT THE UNIVERSITY OF UTAH *****

   REPEATED COURSES

   SP22   MATH 2250 QR   0.0   C+   >X   Diff Equ & Lin Algebra

   COURSES WITH CR GRADES

   FA21   BME 1010   1.0   CR   Careers in BME

✖   **UPPER DIVISION HOURS**
      MINIMUM OF 40 UPPER DIVISION HOURS REQUIRED
      (3000 Level or Higher at U of U)

      *** If upper division transfer courses are not applying here and should be, contact the Registrar's Office at

EARNED:	9.00	HOURS
IN PROG:	11.00	HOURS
NEEDS:	20.00	HOURS

•••	FA22	PHIL 3520 HF	3.0	A	Bioethics
	SP23	ECE 3530 QI	3.0	B	Eng Prob Stats
	SP23	PHIL 3640 IRHF	3.0	A	World Religions
					PROCESSED AS: PHIL 2640 IRHF
	SP24	ECE 3700 QI	4.0	IP	Digital System Design
	SP24	ECE 3810 QI	4.0	IP	Computer Organization
	FA24	ECE 3710	3.0	IP	Computer Design Lab

••• **RESIDENCE HOUR REQUIREMENT**

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** This requirement is only relevant within the last **

** 30 hours prior to graduation **

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This requirement does not classify residency status for tuition purposes.

••• COMPLETED MINIMUM OF 30 HOURS OF COURSE WORK TAKEN IN RESIDENCE AT THE UNIVERSITY OF UTAH.

(66.00 HRS COMPLETED)

IP --> 22.00 HOURS

••• A minimum of 20 out of the last 30 hours must be taken in residence at the University.

No more than 10 out of the last 30 hours may be taken as transfer, test, special credit, correspondence, or challenge credit.

(11.00 HRS COMPLETED)

IP --> 22.00 HOURS

FA24	ECE 3710	3.0	IP	Computer Design Lab
SU24	CS 2420	4.0	IP	Intro Alg & Data Struct
SP24	MATH 2200	3.0	IP	Discrete Mathematics
SP24	ECE 3810 QI	4.0	IP	Computer Organization
SP24	ECE 3700 QI	4.0	IP	Digital System Design
SP24	ECE 2245	1.0	IP	Circuits&Sys Lab:Linear
SP24	ECE 2240	3.0	IP	Circuits&Systems:Linear
FA23	FCS 1500 BF	3.0	B+	Lifespan Human Develop
FA23	ECE 1245	0.5	A	Circuits&Sys Lab: Intro
FA23	ECE 1240	3.0	B	Circuits&Systems: Intro
FA23	ECE 1050	0.5	A	Matlab for ECE Design
FA23	CS 1410	4.0	B+	Object-Oriented Prog

GENERAL EDUCATION CORE REQUIREMENTS

✔ **AMERICAN INSTITUTIONS (AI)**

✔ COMPLETED REQUIREMENT

FA21	POLS 1100 AI	3.0	A-	US National Govt

✔ **WRITING REQUIREMENT (WR2)**

✔ COMPLETED REQUIREMENT

SP19	WRTG 1010 WR2	3.0	AP	AP CR: AP0004LANGCWR2

✔ **QUANTITATIVE REASONING REQUIREMENT (QA)**

✔ QA - COMPLETED REQUIREMENT

FA21	MATH 1321 QR	4.0	B-	Accel Eng Calc II

✔ **QUANTITATIVE REASONING REQUIREMENT (QB)**

✔ QB - COMPLETED REQUIREMENT

SP18	MATH 1070 QB	3.0	AP	AP CR: AP0005STAT QB

INTELLECTUAL EXPLORATION REQUIREMENT
COMPLETE 2 COURSES IN EACH AREA

✖ **FINE ARTS IE AREA (FF)**
COURSE MUST BE COMPLETED WITH A GRADE OF D- OR BETTER

    ✖   (FF) Complete two Fine Arts courses

        3.00 HOURS EARNED   1 COURSE TAKEN

SP22	MUSC 1236 DVFF	3.0	A	Survey Of Jazz

    NEEDS: 1 COURSE

SELECT FROM: ARCH 1615,2630 ART 1010,1015,1020,1030,1050,1070,1080,2060 ARTH 1010,2500 BALLE1140 DANC 1010,1013,1015,1023 DES 2615,2630 EAS 3400(THROUGH SU24) ENGL 2250,2510 FILM 1110,1600,2110,2115 GERON5240 HONOR2010,2400,2850,2870, HONOR2890,3180,3418,3818,3820,5240 LEAP 1270 MUSC 1010,1015,1236, MUSC 1250(FA24 OR AFTER) OR 3600(THROUGH SU24),1460,2100 THEA 1013,1033,1040, THEA 1770,4010 UGS 2220,2237

✔ **HUMANITIES IE AREA (HF)**

FA22	PHIL 3520 HF	3.0	A	Bioethics
SP23	PHIL 3640 IRHF	3.0	A	World Religions

                                   PROCESSED AS: PHIL 2640 IRHF
                                   >>MATCHED AS: RELS 2640

✔ **SOCIAL SCIENCE IE AREA (BF)**

FA23	ANTH 1030 BF	3.0	A	Prehistoric Archaeology
FA23	FCS 1500 BF	3.0	B+	Lifespan Human Develop

UNIVERSITY BACHELOR DEGREE REQUIREMENTS

✖ **COMMUNICATION/UPPER DIVISION WRITING REQUIREMENT (CW)**
COURSE MUST BE COMPLETED WITH A GRADE OF C- OR BETTER

**This requirement may be fulfilled by taking an approved
upper-division writing/communication intensive course
identified by the student's major department. See the
Undergraduate Studies Bulletin for the approved courses.**

    ✖   (CW) Complete one upper division Writing/Communication
        intensive course

SELECT FROM: ARCH 4270 ART 3530 ARTH 4000 ARTX 3600 BALLE4815 BME 4992 CH EN3700,4905 CHIN 4610 CMP 4260 COMM 3030,3555,3700,4590 CSD 4700 CVEEN3100 DANC 4571 ECE 3030,3031 ECON 5470 ECS 4111 ED PS3565,5005,5315 ENGL 5650 ETHNC5910 FCS 3200,3420,5370 FILM 4350,4820,4850 FRNCH4600 GEO 4500 GEOG 3270(THROUGH SU24),3400(THROUGH SU24),5270(THROUGH SU24),5400(THROUGH SU24) GNDR 3100,5670 H EDU4210,5300 HIST 4990 HNKLY3910 HONOR3200,3210,3850,3955 HPSCI3950 KINES3750(FA24 OR AFTER) LEAP 3701 LING 3510,4011(FA24 OR AFTER), LING 4021(FA24 OR AFTER),5170 MATH 3010 ME EN3400 MG EN5090,5120 MGT 3750, MGT 3810,3815 MSE 5090 MUSC 4010 NURS 4150,4605 PHIL 3350,4010 POLS 3910, POLS 5810 PRT 5610 PSY 3010 RUSS 4710 SOC 3111 THEA 4630 WRTG 3011, WRTG 3012,3014,3015,3016,3019,3020,3025,3420,3510,3830,4010,4030,4060,4200,4830, WRTG 4905

✔ **DIVERSITY REQUIREMENT (DV)**

    ✔   COMPLETED REQUIREMENT

SP22	MUSC 1236 DVFF	3.0	A	Survey Of Jazz

✔ **INTERNATIONAL REQUIREMENT (IR)**

    ✔   COMPLETED REQUIREMENT

SP23	PHIL 3640 IRHF	3.0	A	World Religions

                                     PROCESSED AS: PHIL 2640 IRHF
                                   >>MATCHED AS: RELS 2640

••• **B.S. DEGREE - QUANTITATIVE INTENSIVE REQUIREMENT (QI)**

•••

COMPLETED REQUIREMENT

				2 COURSES TAKEN	
SP23	ECE 3530 QI	3.0	B	Eng Prob Stats	
				>>MATCHED AS: CS 3130	
SP24	ECE 3700 QI	4.0	IP	Digital System Design	

MAJOR REQUIREMENTS
COLLEGE OF ENGINEERING
COMPUTER ENGINEERING
CATALOG YEAR: FA2023 - SU2024

Electrical & Computer Engineering and School of Computing
www.ce.utah.edu
Merrill Engineering Building 3280
801-581-4657
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··· **MINIMUM CUMULATIVE GPA REQUIREMENTS COMPLETE**

··· MINIMUM CUMULATIVE GPA OF 2.50 COMPLETED

3.266 GPA

✔ **MINIMUM CUMULATIVE GPA REQUIREMENTS COMPLETE**

✔ MINIMUM GPA OF 2.50 FROM COMPUTER SCIENCE AND
ELECTRICAL ENGR. COURSES COMPLETED

11.00 HOURS EARNED   3.200 GPA

FA23	CS 1410	4.0	B+	Object-Oriented Prog
FA23	ECE 1050	0.5	A	Matlab for ECE Design
FA23	ECE 1240	3.0	B	Circuits&Systems: Intro
FA23	ECE 1245	0.5	A	Circuits&Sys Lab: Intro
SP23	ECE 3530 QI	3.0	B	Eng Prob Stats
				>>MATCHED AS: CS 3130

··· **Pre-Major Requirements**

12.00 ATTEMPTED HOURS   41.00 POINTS   3.417 GPA

FA23	ECE 1050	0.5	A	Matlab for ECE Design
FA23	ECE 1240	3.0	B	Circuits&Systems: Intro
FA23	ECE 1245	0.5	A	Circuits&Sys Lab: Intro

··· Electrical and Computer Engineering Courses
Must be completed with grade C- or better.

3 COURSES TAKEN

SP23	CS 1400	4.0	A-	Intro Comp Programming
FA23	CS 1410	4.0	B+	Object-Oriented Prog
SU24	CS 2420	4.0	IP	Intro Alg & Data Struct

✔ Physics
Must be completed with a grade C- or better.

1 COURSE TAKEN

SP19	TRNSF1XXX SF	3.0	AP	AP0005PHYME
				AP CR: AP0005PHYMESF
				>>MATCHED AS: AP0005PHYME

✔ Writing
Must be completed with a passing grade.

1 COURSE TAKEN

SP19	WRTG 1010 WR2	3.0	AP	AP CR: AP0004LANGCWR2
				>>MATCHED AS: AP0004LANGC

✔ Calculus I & II cleared with AP CALC BC

SP19	MATH 1210 QR	4.0	AP	AP CR: AP0004MCBC QR
				>>MATCHED AS: AP0004MCBC

✖ **Upper-Division Writing Requirement**

✖ Must be completed with a grade of C- or better.
*HONOR 3200 must be completed with a grade of C or
better.

NEEDS: 1 SET

SELECT FROM: ECE 3030 HONOR3200 ECE 3031 WRTG 3015 & COMM 1020

✖ **Additional Math/Science Classes**
   Must be completed with a grade C- or better. All math
   classes must be completed with a grade C or better.

   ✖ Section 1

                                  3 GROUPS COMPLETED

SP23	ECE 3530 QI	3.0	B	Eng Prob Stats
SP23	MATH 2250 QR	4.0	B+	Diff Equ & Lin Algebra
FA21	PHYS 2220 SF	4.0	B-	Phyc For Scien & Eng II

   NEEDS: 1 SET

   SELECT FROM: CS 2100

   ✔ If students take Math 1310/1311 and Math 1320/1321,
      then complete one courses below:

                                  1 COURSE TAKEN

   | SP18 | CHEM 1210 SF | 4.0 | AP | AP CR: AP0004CH SF |

   SELECT FROM: MATH 5600 OR 3140

✖   **Major Requirements**

   ✔ Must be completed with a grade of CR or C or better:

                  NOTE: RS - REQUIREMENT MET FROM BME BS

                                  1 COURSE TAKEN

   | FA21 | BME 1010 | 1.0 | CR | Careers in BME |

   ✔ ETHICS

                                  1 COURSE TAKEN

   | FA22 | PHIL 3520 HF | 3.0 | A | Bioethics |

   ✖ Core Courses
      Must be completed with grade C- or better.

                                  4 COURSES TAKEN

SP24	ECE 2240	3.0	IP	Circuits&Systems:Linear
SP24	ECE 3700 QI	4.0	IP	Digital System Design
				>>MATCHED AS: CS 3700
FA24	ECE 3710	3.0	IP	Computer Design Lab
				>>MATCHED AS: CS 3710
SP24	ECE 3810 QI	4.0	IP	Computer Organization
				>>MATCHED AS: CS 3810

   NEEDS: 6 COURSES

   SELECT FROM: ECE 2280 CS 4400,3500,5780 OR ECE 5780 CS 3991 OR ECE 3991 CS 3992
                       OR ECE 3992

✖   **Capstone Experience**
     Complete 1 section.
     Must be completed with grade C- or better.

   ✖ Section 1

      NEEDS: 1 COURSE
      SELECT FROM: CS 4710 ECE 4710

   ✖ OR) Section 2

      NEEDS: 2 COURSES
      SELECT FROM: CS 4991 OR ECE 4991 CS 4992 OR ECE 4992

   ✖ OR) Section 3

      NEEDS: 2 COURSES
      SELECT FROM: ECE 4900 OR 4998,4910 OR 4999

✖   **Technical Electives**
     Must be completed with grade C- or better.

   ✖ Complete at least 18 credit hours. Seminars CS 3011, CS
      3020, and ECE 3030 do not count towards CE/ECE
      technical electives.

      These technical electives are chosen from CS/ECE 3000

level or above. ENGIN 5020, 5030, 5790, and 5791 are
also accepted.

NEEDS: 18.00 HOURS

SELECT FROM: <u>CS 3***,4***,5***</u> <u>ECE 3***,4***,5***</u> <u>ENGIN5020,5030,5790,5791</u>

***** IN PROGRESS COURSES *****
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···   U OF U CURRENT REGISTRATION

        0.00 HOURS EARNED

IP -->   22.00 HOURS

SP24	ECE 2240	3.0	IP		Circuits&Systems:Linear
SP24	ECE 2245	1.0	IP		Circuits&Sys Lab:Linear
SP24	ECE 3700 QI	4.0	IP		Digital System Design
SP24	ECE 3810 QI	4.0	IP		Computer Organization
SP24	MATH 2200	3.0	IP		Discrete Mathematics
SU24	CS 2420	4.0	IP		Intro Alg & Data Struct
FA24	ECE 3710	3.0	IP		Computer Design Lab

GENERAL ELECTIVES
**** COURSES NOT USED IN GENERAL EDUCATION, ****
**** BACHELOR'S DEGREE REQUIREMENTS, OR MAJOR ****

SP18	CHEM 1XXX	2.0	AP		AP CR: AP0004CH SF
SP19	ENGL 1XXX	3.0	AP		AP CR: AP0004LANGCWR2
SP19	ENGL 2XXX	6.0	AP		AP CR: AP0003CMPW WR1
SP19	MATH 1210 QR	4.0	AP		AP CR: AP0004MCAB QR
SP19	MATH 1XXX	2.0	AP		AP CR: AP0004MCAB QR
SP19	MATH 1XXX	2.0	AP		AP CR: AP0004MCBC QR
FA21	CHEM 1215	1.0	A		General Chemistry Lab I
FA21	MATH 1321 QR	4.0	B-		Accel Eng Calc II
FA21	PHYS 2215	1.0	A-		Physics Lab I for S & E
SP22	BME 1020	3.0	C+		Funds. of BME I
SP22	CHEM 1220 SF	4.0	C		General Chemistry II
SP22	CHEM 1225	1.0	A		General Chem Lab II
FA22	BIOL 2020	3.0	C-		Princ of Cell Biology
FA22	BME 2100	4.0	A-		Funds of BME II
FA22	ME EN2010	3.0	A		Statics
SP24	ECE 2245	1.0	IP		Circuits&Sys Lab:Linear
SP24	MATH 2200	3.0	IP		Discrete Mathematics

ATTEMPTED COURSES WITHOUT CREDIT

SP22	MATH 2250 QR	0.0	C+	>X	Diff Equ & Lin Algebra

SUMMARY OF ALL AP, CLEP, SPECIAL CREDIT
AND PLACEMENT SCORES

AP, IB, CLEP & SPECIAL CREDIT

        39.00 HOURS EARNED

SP18	CHEM 1210 SF	4.0	AP		AP CR: AP0004CH SF
SP18	CHEM 1XXX	2.0	AP		AP CR: AP0004CH SF
SP18	MATH 1070 QB	3.0	AP		AP CR: AP0005STAT QB
SP19	ENGL 1XXX	3.0	AP		AP CR: AP0004LANGCWR2
SP19	ENGL 2XXX	6.0	AP		AP CR: AP0003CMPW WR1
SP19	MATH 1210 QR	4.0	AP		AP CR: AP0004MCAB QR
SP19	MATH 1210 QR	4.0	AP		AP CR: AP0004MCBC QR
SP19	MATH 1XXX	2.0	AP		AP CR: AP0004MCAB QR
SP19	MATH 1XXX	2.0	AP		AP CR: AP0004MCBC QR
SP19	TRNSF1XXX SF	3.0	AP		AP0005PHYME
					AP CR: AP0005PHYMESF
SP19	WRTG 1010 WR2	3.0	AP		AP CR: AP0004LANGCWR2
FA19	MATH QA	3.0	SC		MATH INT: MATH QA

PLACEMENT SCORES

FA17	ACT 0002CTEXT	0.0	AT		ACT SCR: ACT 0002CTEXT
FA17	ACT 0027ENGL	0.0	AT		ACT SCR: ACT 0027ENGL
FA17	ACT 0032COMP	0.0	AT		ACT SCR: ACT 0032COMP
FA17	ACT 0032READ	0.0	AT		ACT SCR: ACT 0032READ
FA17	ACT 0034MATH	0.0	AT		ACT SCR: ACT 0034MATH
FA17	ACT 0035SCIRE	0.0	AT		ACT SCR: ACT 0035SCIRE
FA17	ACT 0035STEM	0.0	AT		ACT SCR: ACT 0035STEM

FA18	UWP 0002SCORE	0.0	IX	>D	UWP SCR: UWP 0002SCORE
SP19	UWP 0003ESSAY	0.0	IX		UWP SCR: UWP 0003ESSAY
SU21	UWP 0002ESSAY	0.0	IX		UWP SCR: UWP 0002ESSAY

SUMMARY OF COURSES TAKEN AT THE UNIVERSITY OF UTAH

ALL UNDERGRADUATE U OF U COURSES

66.00 HOURS EARNED

IP --> 22.00 HOURS

FA23	ANTH 1030 BF	3.0	A		Prehistoric Archaeology
FA22	BIOL 2020	3.0	C-		Princ of Cell Biology
FA21	BME 1010	1.0	CR		Careers in BME
SP22	BME 1020	3.0	C+		Funds. of BME I
FA22	BME 2100	4.0	A-		Funds of BME II
FA21	CHEM 1215	1.0	A		General Chemistry Lab I
SP22	CHEM 1220 SF	4.0	C		General Chemistry II
SP22	CHEM 1225	1.0	A		General Chem Lab II
SP23	CS 1400	4.0	A-		Intro Comp Programming
FA23	CS 1410	4.0	B+		Object-Oriented Prog
SU24	CS 2420	4.0	IP		Intro Alg & Data Struct
FA23	ECE 1050	0.5	A		Matlab for ECE Design
FA23	ECE 1240	3.0	B		Circuits&Systems: Intro
FA23	ECE 1245	0.5	A		Circuits&Sys Lab: Intro
SP24	ECE 2240	3.0	IP		Circuits&Systems:Linear
SP24	ECE 2245	1.0	IP		Circuits&Sys Lab:Linear
SP23	ECE 3530 QI	3.0	B		Eng Prob Stats
SP24	ECE 3700 QI	4.0	IP		Digital System Design
FA24	ECE 3710	3.0	IP		Computer Design Lab
SP24	ECE 3810 QI	4.0	IP		Computer Organization
FA23	FCS 1500 BF	3.0	B+		Lifespan Human Develop
FA21	MATH 1321 QR	4.0	B-		Accel Eng Calc II
SP24	MATH 2200	3.0	IP		Discrete Mathematics
SP22	MATH 2250 QR	0.0	C+	>X	Diff Equ & Lin Algebra
SP23	MATH 2250 QR	4.0	B+		Diff Equ & Lin Algebra
FA22	ME EN2010	3.0	A		Statics
SP22	MUSC 1236 DVFF	3.0	A		Survey Of Jazz
SP23	PHIL 3640 IRHF	3.0	A		World Religions
					PROCESSED AS: PHIL 2640 IRHF
FA22	PHIL 3520 HF	3.0	A		Bioethics
FA21	PHYS 2215	1.0	A-		Physics Lab I for S & E
FA21	PHYS 2220 SF	4.0	B-		Phyc For Scien & Eng II
FA21	POLS 1100 AI	3.0	A-		US National Govt

************************ END OF ANALYSIS *********************