THE UNIVERSITY OF UTAH

PREPARED: 01/26/15 - 14:26 00823138
LI,ZHIMIN

PROGRAM CODE: CPSCBS CATALOG YEAR:2013-2014

UNIVERSITY OF UTAH
COMPUTER SCIENCE
BACHELOR OF SCIENCE

Open All Sections Close All Sections

*** 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 University and major 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 Department and University approval.

Inquiries concerning University general requirements should be directed to a University College Advisor (581-8146). Inquiries about specific major requirements should be directed to the department offering the major.

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

Color Code:
Green (OK) = Requirement completed
Light Green (IP) = Requirement using in progress courses
Blue (PL) = Requirement using planned courses
Red (NO) = Requirement not completed

AT LEAST ONE REQUIREMENT HAS NOT BEEN SATISFIED

GENERAL EDUCATION AND BACHELOR'S DEGREE REQUIREMENTS
REFER TO THE UNDERGRADUATE STUDIES BULLETIN FOR SELECTION OF COURSES

MINIMUM U OF U GPA REQUIREMENT

EARNED: 3.816 GPA

TOTAL HOUR REQUIREMENT

IP EARNED:203.50 HOURS
IN PROG: 12.00 HOURS

U OF U COURSE CREDIT HOURS THAT WERE COUNTED TOWARDS
THE 122 TOTAL HOURS REQUIRED.
85.00 HOURS EARNED
IP --> 12.00 HOURS

TRANSFER COURSE CREDIT HOURS COUNTED TOWARDS
THE 122 TOTAL HOURS REQUIRED.
118.50 HOURS EARNED

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

IP UPPER DIVISION HOURS

IP EARNED: 57.00 HOURS
IN PROG: 9.00 HOURS

SP13	CS	3200		3.0	A	Intro Sci Comp
SP13	CS	4150	QI	3.0	A	Algorithms
SP13	MATH	3170		1.0	A	R Lab I
SU13	FCS	3600	BF	3.0	B	Consumer & Community
SU13	GEOG	3670	IR	3.0	A	Latin America
FA13	CS	3100	QI	3.0	A-	Models Of Computation
FA13	CS	3500		4.0	A	Software Practice
FA13	CS	4400	QI	4.0	A	Computer Systems
FA13	MATH	4400	QR	3.0	A	Intr To Number Theory
SP14	CS	3505		3.0	A-	Software Practice II
SP14	CS	4940		3.0	A	Undergraduate Research
SP14	CS	4950		3.0	A	Independent Study
SU14	MATH	3160		2.0	A	Appl Compl Var
SU14	MATH	5010	QRQI	3.0	A	Intro To Probability
SU14	WRTG	3014	CW	3.0	A-	Scientific Writing
FA14	CS	4010		1.0	A	CS Internship
FA14	CS	4962		3.0	A-	Mobile Apps: Android
FA14	CS	5630		3.0	A	Visualization
FA14	CS	6150		3.0	B-	Advanced Algorithms
FA14	MATH	5080	QRQI	3.0	A	Stat'l Inference I
SP15	CS	5350		3.0	IP	Machine Learning
SP15	CS	6300		3.0	IP	Artificial Intelligence
SP15	MATH	5090	QRQI	3.0	IP	Stat'l Inference II

IP RESIDENCE HOUR REQUIREMENT

****
** THIS REQUIREMENT IS ONLY RELEVANT WITHIN THE LAST **
** 30 HOURS PRIOR TO GRADUATION **
****

THIS REQUIREMENT DOES NOT CLASSIFY RESIDENCY STATUS FOR TUITION PURPOSES.

IP

\+ *COMPLETED MINIMUM OF 30 HOURS OF COURSE WORK TAKEN IN RESIDENCE AT THE UNIVERSITY OF UTAH.*
(31.00 HRS COMPLETED)

\+ 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.
(19.00 HRS COMPLETED)

IP --> 12.00 HOURS

```
SP15 MATH 5090 QRQI  3.0 IP   Stat'l Inference  II
SP15 ESL  1060 WR2   3.0 IP   Expository Wrtg for ESL
SP15 CS   6300       3.0 IP   Artificial Intelligence
SP15 CS   5350       3.0 IP   Machine Learning
FA14 MATH 5080 QRQI  3.0 A    Stat'l Inference I
FA14 CS   6150       3.0 B-   Advanced Algorithms
FA14 CS   5630       3.0 A    Visualization
FA14 CS   4962       3.0 A-   Mobile Apps: Android
FA14 CS   4010       1.0 A    CS Internship
SU14 WRTG 3014 CW    3.0 A-   Scientific Writing
SU14 MATH 5600 QRQI  0.0 W    Surv-Numerical Analysis
SU14 MATH 5010 QRQI  3.0 A    Intro To Probability
```

GENERAL EDUCATION REQUIREMENTS

AMERICAN INSTITUTIONS (AI)
COURSE MUST BE COMPLETED WITH A GRADE OF D- OR BETTER

- *(AI) COMPLETE ONE AMERICAN INSTITUTIONS COURSE*
  SELECT FROM: ECON 1740 OR HIST 1700 OR POLS 1100

WRITING REQUIREMENT (WR2)

IP

\+ *COMPLETED REQUIREMENT*

```
SP15 ESL  1060 WR2   3.0 IP   Expository Wrtg for ESL
```

QUANTITATIVE REASONING REQUIREMENT (QA,QB)

\+ *QA - COMPLETED REQUIREMENT*

```
FA09 XATH 001        5.0 A    ADVANCED MATHEMATICS B
                              I0045108: MATH 001
                              >>MATCHED AS: QUAN1 COURSE
                              MEETS REQUIREMENT
```

\+ *QB - COMPLETED REQUIREMENT*

```
FA09 XATH 001        5.0 A    ADVANCED MATHEMATICS B
                              I0045108: MATH 001
                              >>MATCHED AS: QUAN2 COURSE
                              MEETS REQUIREMENT
```

Intellectual Exploration Requirement
Complete 2 Courses In Each Area

FINE ARTS IE AREA (FF)

\+ *COMPLETED REQUIREMENT*
6.00 HOURS EARNED 2 COURSES TAKEN

```
FA12 MUSC 1010 FF    3.0 A    Introduction to Music
FA12 THEA 1033 FF    3.0 A    Acting I for Non Majors
```

HUMANITIES IE AREA (HF)

+ *COMPLETED REQUIREMENT*
6.00 HOURS EARNED 2 COURSES TAKEN

FA12	LING	1200	HF	3.0 A	Intro Study Language
SP14	ESL	1600	DVHF	3.0 A	Tch & Lrn Across Lang

✔ SOCIAL SCIENCE IE AREA (BF)

+ *COMPLETED REQUIREMENT*
6.00 HOURS EARNED 2 COURSES TAKEN

SU13	FCS	3600	BF	3.0 B	Consumer & Community
SU13	GEOG	1400	BF	3.0 A	Human Geography

UNIVERSITY BACHELOR DEGREE REQUIREMENTS

✔ COMMUNICATION/UPPER DIVISION WRITING REQUIREMENT (CW)

+ *COMPLETED REQUIREMENT*

SU14	WRTG	3014	CW	3.0 A-	Scientific Writing

✔ DIVERSITY REQUIREMENT (DV)

+ *COMPLETED REQUIREMENT*

SP14	ESL	1600	DVHF	3.0 A	Tch & Lrn Across Lang

✔ INTERNATIONAL REQUIREMENT (IR)

+ *COMPLETED REQUIREMENT*

SU13	GEOG	3670	IR	3.0 A	Latin America

✔ B.S. DEGREE - QUANTITATIVE INTENSIVE REQUIREMENT (QI)

+ *COMPLETED REQUIREMENT*
2 COURSES TAKEN

SP13	CS	4150	QI	3.0 A	Algorithms
FA13	CS	3100	QI	3.0 A-	Models Of Computation

MAJOR REQUIREMENTS
COLLEGE OF ENGINEERING
COMPUTER SCIENCE

IP ✔ MINIMUM CUMULATIVE GPA REQUIREMENTS COMPLETE

IP

+ *MINIMUM CUMULATIVE GPA OF 2.50 COMPLETED*
3.816 GPA

+ *MINIMUM GPA OF 2.50 FROM COMPUTER SCIENCE COURSES COMPLETED*
3.817 GPA

SP13	CS	3200		3.0 A	Intro Sci Comp
SP13	CS	4150	QI	3.0 A	Algorithms
FA13	CS	3100	QI	3.0 A-	Models Of Computation
FA13	CS	3500		4.0 A	Software Practice
FA13	CS	4400	QI	4.0 A	Computer Systems
SP14	CS	3505		3.0 A-	Software Practice II
SP14	CS	4940		3.0 A	Undergraduate Research
SP14	CS	4950		3.0 A	Independent Study

```
FA14 CS   4010       1.0 A    CS Internship
FA14 CS   4962       3.0 A-   Mobile Apps: Android
FA14 CS   5630       3.0 A    Visualization
FA14 CS   6150       3.0 B-   Advanced Algorithms
SP15 CS   5350       3.0 IP   Machine Learning
SP15 CS   6300       3.0 IP   Artificial Intelligence
```

✔ PRE-MAJOR REQUIREMENTS
A MINIMUM CUMULATIVE GPA OF 3.00 MUST BE MAINTAINED IN ALL PRE-MAJOR COURSES

EARNED: 4.000 GPA

\+ *PRE-MAJOR COMPUTER SCIENCE COURSES COMPLETE*
2 COURSES TAKEN

```
FA09 XS   001        1.5 A    INTRODUCTION TO COMPUTER
                                I0045108: CS   001
SP10 XS   002        3.5 A    ADVANCED LANGUAGE PROGRAMMING
                                I0045108: CS   002
```

\+ *INTRODUCTION TO COMPUTER SCIENCE SEQUENCE COMPLETE*
2 COURSES TAKEN

```
SP10 XS   003        1.5 A    C LANGUAGE PROGRAMMING (INTEG
                                I0045108: CS   003
SP11 XS   004        5.0 A    ALGORITHM AND DATA STRUCTURE
                                I0045108: CS   004
```

\+ *CALCULUS I COMPLETE*
1 COURSE TAKEN

```
FA09 XATH 001        5.0 A    ADVANCED MATHEMATICS B
                                I0045108: MATH 001
                                MEETS REQUIREMENT
```

✔ UPPER DIVISION WRITING REQUIREMENT
(MUST BE COMPLETED WITH A GRADE OF C- OR BETTER)

\+ 1 COURSE TAKEN

```
SU14 WRTG 3014 CW    3.0 A-   Scientific Writing
```

✔ MATH/SCIENCE ELECTIVES

\+ 1 COURSE TAKEN

```
SP10 XHYS 001  SF    3.0 A    COLLEGE PHYSICS A
                                I0045108: PHYS 001
```

\+
1 GROUP COMPLETED

```
SP10 XATH 003  QA    5.0 A    ADVANCED MATHEMATICS B
                                I0045108: MATH 003
```

\+
1 COURSE TAKEN

```
FA09 XATH 002        2.0 A    LINEAR ALGEBRA
                                I0045108: MATH 002
```

\+
2 COURSES TAKEN

```
FA10 XHYS 003  SF    3.5 A    COLLEGE PHYSICS B
                                I0045108: PHYS 003
SP13 MATH 2280 QR    4.0 A    Intro De's
```

MAJOR REQUIREMENTS

\+ *COMPLETED REQUIRED COURSES*
NOTE: RS - + XS 006
6 COURSES TAKEN

FA10	XATH	004	4.5 B	DISCRETE MATHEMEMATICS A
				I0045108: MATH 004
SP11	XS	005	2.0 B	ASSEMBLY LANGUAGE PROGRAMMING
				I0045108: CS 005
SP13	CS	4150 QI	3.0 A	Algorithms
FA13	CS	3500	4.0 A	Software Practice
FA13	CS	4400 QI	4.0 A	Computer Systems
SP14	CS	3505	3.0 A-	Software Practice II

THEORY RESTRICTED ELECTIVE

\+ 1 COURSE TAKEN

SP13	CS	3200	3.0 A	Intro Sci Comp

CAPSTONE REQUIREMENT

\- 0 GROUPS COMPLETED

SP14	CS	4940	3.0 A	Undergraduate Research

NEEDS: *1 SET*
SELECT FROM: CS 4000 & 4500,4940 & 4970

COMPUTER SCIENCE ELECTIVES

IP

\+ UPPER DIVISION COMPUTER SCIENCE ELECTIVE COURSES
COURSES MUST BE THREE OR MORE CREDIT HOURS EACH
18.00 HOURS EARNED 6 COURSES TAKEN

FA13	CS	3100 QI	3.0 A-	Models Of Computation
SP14	CS	4950	3.0 A	Independent Study
FA14	CS	4962	3.0 A-	Mobile Apps: Android
FA14	CS	5630	3.0 A	Visualization
FA14	CS	6150	3.0 B-	Advanced Algorithms
SP15	CS	6300	3.0 IP	Artificial Intelligence

\+ ONE ADDITIONAL CS ELECTIVE FOR 3 CREDITS OR ANY COMBINATION OF CS 3011, 3020, 4190, 5040, AND SENIOR CAPSTONE DESIGN
3.00 HOURS EARNED

SP15	CS	5350	3.0 IP	Machine Learning

BREADTH & DEPTH REQUIREMENT

\+ *UPPER DIVISION*
2 COURSES TAKEN

SU13	FCS	3600 BF	3.0 B	Consumer & Community
SU13	GEOG	3670 IR	3.0 A	Latin America

***** IN PROGRESS COURSES *****
****

* *U OF U CURRENT REGISTRATION*

.00 HOURS EARNED
IP --> 12.00 HOURS

SP15	CS	5350		3.0 IP	Machine Learning
SP15	CS	6300		3.0 IP	Artificial Intelligence
SP15	ESL	1060	WR2	3.0 IP	Expository Wrtg for ESL
SP15	MATH	5090	QRQI	3.0 IP	Stat'l Inference II

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

FA09	XIST	001		1.5 A	OUTLINE OF MODERN CHINESE HIS
					I0045108: HIST 001
FA09	XS	001		1.5 A	INTRODUCTION TO COMPUTER
					I0045108: CS 001
FA09	XSS	001		1.0 A	PHYSICAL EDUCATION A
					I0045108: ESS 001
SP10	XEDU	001		1.0 A	PSYCHOLOGICAL HEALTH EDUCATIO
					I0045108: HEDU 001
SP10	XHIL	001		1.5 B	CHINESE PHILOSOPHY
					I0045108: PHIL 001
SP10	XHYS	002		1.5 B	COLLEGE PHYSICS A (EXPERIMENT
					I0045108: PHYS 002
SP10	XIT	001		2.5 A	INTRODUCTORY READINGS OF CLAS
					I0045108: LIT 001
SP10	XNGG	001		5.0 A	CIRCUITRY AND ELECTRONICS
					I0045108: ENGG 001
SP10	XNGG	002		1.5 A	ELECTRONIC CIRCUIT (INTEGRATE
					I0045108: ENGG 002
SP10	XS	002		3.5 A	ADVANCED LANGUAGE PROGRAMMING
					I0045108: CS 002
SP10	XSS	002		1.0 A	PHYSICAL EDUCATION B
					I0045108: ESS 002
FA10	XC	001		1.5 A	CAREER PLANNING AND EMPLOYMEN
					I0045108: UC 001
FA10	XCON	001		1.5 B	BASIS OF ECONOMICS
					I0045108: ECON 001
FA10	XHYS	004		1.0 B	COLLEGE PHYSICS (EXPERIMENT)
					I0045108: PHYS 004
FA10	XNGG	003		3.0 A	DIGITAL CIRCUITRY AND LOGIC
					I0045108: ENGG 003
FA10	XNGG	004		2.0 A	DIGITAL LOGIC CIRCUITRY DESIG
					I0045108: ENGG 004
FA10	XOLS	001		1.0 B	SITUATION AND POLICY A
					I0045108: POLS 001
FA10	XSS	003		1.0 A	PHYSICAL EDUCATION C
					I0045108: ESS 003
SP11	XOLS	002		1.0 A	SITUATION AND POLICY B
					I0045108: POLS 002
SP11	XOLS	003		2.0 A	POLITICS (PRACTICE)
					I0045108: POLS 003
SP11	XS	003		4.0 A	COMPUTER ORGANIZATION PRINCIP
					I0045108: CS 003
SP11	XS	006		1.5 A	COMPUTER ORGANIZATION PRINCIP
					I0045108: CS 006
SP11	XSS	004		1.0 A	PHYSICAL EDUCATION D
					I0045108: ESS 004
FA11	XATH	005	QB	3.0 A	PROBABILITY & STATISTICS
					I0045108: MATH 005
FA11	XNGG	006		2.0 A	ELECTRICAL ENGINEERING (PRACT
					I0045108: ENGG 006
FA11	XS	007		3.0 A	COMPILING METHOD
					I0045108: CS 007

FA11	XS	008		4.0 A	COMPUTER OPERATION SYSTEM
					I0045108: CS 008
FA11	XS	009		3.5 A	DATA COMM & COMPUTER NETWORK
					I0045108: CS 009
FA11	XS	010		2.0 A	COMPUTATIONAL METHOD
					I0045108: CS 010
FA11	XS	011		1.5 A	LINUX OPERATIONA SYSTEM DESIG
					I0045108: CS 011
SP12	XS	012		2.0 A	ARTIFICIAL INTELLIGENCE
					I0045108: CS 012
SP12	XS	013		3.0 A	PRINCIPLES OF DATABASE SYSTEM
					I0045108: CS 013
SP12	XS	014		2.0 B	SOFTWARE SYSTEM & STRUCTURE
					I0045108: CS 014
SP12	XS	015		2.0 A	MULTIMEDIA TECH & APPL
					I0045108: CS 015
SP12	XS	016		1.0 A	PROGRAMMING PRACTICE
					I0045108: CS 016
SP12	XS	017		1.0 A	MULTIMEDIA (INTEGRATED PRACT)
					I0045108: CS 017
SP12	XS	018		1.5 B	SOFTWARE ENGINEERING PRACT
					I0045108: CS 018
SP12	XS	019		1.5 A	INTELLIGENT SYSTEM (INTEGRATE
					I0045108: CS 019
SU12	XS	020		2.0 A	SOFTWARE PROJECT MANAGEMENT
					I0045108: CS 020
SU12	XS	021		2.0 A	DISPUTED DATABASE A
					I0045108: CS 021
SU12	XS	022		2.0 A	CRYPTOGRAPHIC THEORY
					I0045108: CS 022
SU12	XS	023		2.0 A	NEXT-GENERATION INTERNET TECH
					I0045108: CS 023
SU12	XS	024		1.0 A	WAN TECHNOLOGY
					I0045108: CS 024
SU12	XS	025		1.5 A	EMBEDDED SYSTEM PRACT
					I0045108: CS 025
SU12	XS	026		1.5 A	INFORMATION SYSTEM DESIGN
					I0045108: CS 026
FA12	ESL	1040		3.0 C+	Grammar & Editing Nns
FA12	ESL	1100		3.0 A	Integrt Lang Skills ESL
SP13	ESL	1050		3.0 A	Composition For Nns
SP13	MATH	3170		1.0 A	R Lab I
FA13	MATH	4400	QR	3.0 A	Intr To Number Theory
SU14	MATH	3160		2.0 A	Appl Compl Var
SU14	MATH	5010	QRQI	3.0 A	Intro To Probability
FA14	CS	4010		1.0 A	CS Internship
FA14	MATH	5080	QRQI	3.0 A	Stat'l Inference I
SP15	MATH	5090	QRQI	3.0 IP	Stat'l Inference II

- *ATTEMPTED COURSES WITHOUT CREDIT*

SP14	CS	5961		0.0 W	Scripting Language Design
SU14	MATH	5600	QRQI	0.0 W	Surv-Numerical Analysis

SUMMARY OF TRANSFER CREDIT

EARNED:118.50 HOURS 3.861 GPA

- *TRANSFER COURSES*

118.50 HOURS EARNED

FA09	XATH	001		5.0 A	ADVANCED MATHEMATICS B
					I0045108: MATH 001
					MEETS REQUIREMENT

FA09	XATH	002		2.0	A	LINEAR ALGEBRA
						I0045108: MATH 002
SP10	XATH	003	QA	5.0	A	ADVANCED MATHEMATICS B
						I0045108: MATH 003
FA10	XATH	004		4.5	B	DISCRETE MATHEMEMATICS A
						I0045108: MATH 004
FA11	XATH	005	QB	3.0	A	PROBABILITY & STATISTICS
						I0045108: MATH 005
FA10	XC	001		1.5	A	CAREER PLANNING AND EMPLOYMEN
						I0045108: UC 001
FA10	XCON	001		1.5	B	BASIS OF ECONOMICS
						I0045108: ECON 001
SP10	XEDU	001		1.0	A	PSYCHOLOGICAL HEALTH EDUCATIO
						I0045108: HEDU 001
SP10	XHIL	001		1.5	B	CHINESE PHILOSOPHY
						I0045108: PHIL 001
SP10	XHYS	001	SF	3.0	A	COLLEGE PHYSICS A
						I0045108: PHYS 001
SP10	XHYS	002		1.5	B	COLLEGE PHYSICS A (EXPERIMENT
						I0045108: PHYS 002
FA10	XHYS	003	SF	3.5	A	COLLEGE PHYSICS B
						I0045108: PHYS 003
FA10	XHYS	004		1.0	B	COLLEGE PHYSICS (EXPERIMENT)
						I0045108: PHYS 004
FA09	XIST	001		1.5	A	OUTLINE OF MODERN CHINESE HIS
						I0045108: HIST 001
SP10	XIT	001		2.5	A	INTRODUCTORY READINGS OF CLAS
						I0045108: LIT 001
SP10	XNGG	001		5.0	A	CIRCUITRY AND ELECTRONICS
						I0045108: ENGG 001
SP10	XNGG	002		1.5	A	ELECTRONIC CIRCUIT (INTEGRATE
						I0045108: ENGG 002
FA10	XNGG	003		3.0	A	DIGITAL CIRCUITRY AND LOGIC
						I0045108: ENGG 003
FA10	XNGG	004		2.0	A	DIGITAL LOGIC CIRCUITRY DESIG
						I0045108: ENGG 004
FA11	XNGG	006		2.0	A	ELECTRICAL ENGINEERING (PRACT
						I0045108: ENGG 006
FA10	XOLS	001		1.0	B	SITUATION AND POLICY A
						I0045108: POLS 001
SP11	XOLS	002		1.0	A	SITUATION AND POLICY B
						I0045108: POLS 002
SP11	XOLS	003		2.0	A	POLITICS (PRACTICE)
						I0045108: POLS 003
FA09	XS	001		1.5	A	INTRODUCTION TO COMPUTER
						I0045108: CS 001
SP10	XS	002		3.5	A	ADVANCED LANGUAGE PROGRAMMING
						I0045108: CS 002
SP10	XS	003		1.5	A	C LANGUAGE PROGRAMMING (INTEG
						I0045108: CS 003
SP11	XS	003		4.0	A	COMPUTER ORGANIZATION PRINCIP
						I0045108: CS 003
SP11	XS	004		5.0	A	ALGORITHM AND DATA STRUCTURE
						I0045108: CS 004
SP11	XS	005		2.0	B	ASSEMBLY LANGUAGE PROGRAMMING
						I0045108: CS 005
SP11	XS	006		1.5	A	COMPUTER ORGANIZATION PRINCIP
						I0045108: CS 006
FA11	XS	007		3.0	A	COMPILING METHOD
						I0045108: CS 007
FA11	XS	008		4.0	A	COMPUTER OPERATION SYSTEM
						I0045108: CS 008
FA11	XS	009		3.5	A	DATA COMM & COMPUTER NETWORK
						I0045108: CS 009
FA11	XS	010		2.0	A	COMPUTATIONAL METHOD

					I0045108: CS 010
FA11	XS	011	1.5	A	LINUX OPERATIONA SYSTEM DESIG
					I0045108: CS 011
SP12	XS	012	2.0	A	ARTIFICIAL INTELLIGENCE
					I0045108: CS 012
SP12	XS	013	3.0	A	PRINCIPLES OF DATABASE SYSTEM
					I0045108: CS 013
SP12	XS	014	2.0	B	SOFTWARE SYSTEM & STRUCTURE
					I0045108: CS 014
SP12	XS	015	2.0	A	MULTIMEDIA TECH & APPL
					I0045108: CS 015
SP12	XS	016	1.0	A	PROGRAMMING PRACTICE
					I0045108: CS 016
SP12	XS	017	1.0	A	MULTIMEDIA (INTEGRATED PRACT)
					I0045108: CS 017
SP12	XS	018	1.5	B	SOFTWARE ENGINEERING PRACT
					I0045108: CS 018
SP12	XS	019	1.5	A	INTELLIGENT SYSTEM (INTEGRATE
					I0045108: CS 019
SU12	XS	020	2.0	A	SOFTWARE PROJECT MANAGEMENT
					I0045108: CS 020
SU12	XS	021	2.0	A	DISPUTED DATABASE A
					I0045108: CS 021
SU12	XS	022	2.0	A	CRYPTOGRAPHIC THEORY
					I0045108: CS 022
SU12	XS	023	2.0	A	NEXT-GENERATION INTERNET TECH
					I0045108: CS 023
SU12	XS	024	1.0	A	WAN TECHNOLOGY
					I0045108: CS 024
SU12	XS	025	1.5	A	EMBEDDED SYSTEM PRACT
					I0045108: CS 025
SU12	XS	026	1.5	A	INFORMATION SYSTEM DESIGN
					I0045108: CS 026
FA09	XSS	001	1.0	A	PHYSICAL EDUCATION A
					I0045108: ESS 001
SP10	XSS	002	1.0	A	PHYSICAL EDUCATION B
					I0045108: ESS 002
FA10	XSS	003	1.0	A	PHYSICAL EDUCATION C
					I0045108: ESS 003
SP11	XSS	004	1.0	A	PHYSICAL EDUCATION D
					I0045108: ESS 004

SUMMARY OF COURSES TAKEN AT THE UNIVERSITY OF UTAH

- *ALL UNDERGRADUATE U OF U COURSES*

97.00 HOURS EARNED

FA13	CS	3100	QI	3.0	A- Models Of Computation
SP13	CS	3200		3.0	A Intro Sci Comp
FA13	CS	3500		4.0	A Software Practice
SP14	CS	3505		3.0	A- Software Practice II
FA14	CS	4010		1.0	A CS Internship
SP13	CS	4150	QI	3.0	A Algorithms
FA13	CS	4400	QI	4.0	A Computer Systems
SP14	CS	4940		3.0	A Undergraduate Research
SP14	CS	4950		3.0	A Independent Study
FA14	CS	4962		3.0	A- Mobile Apps: Android
SP15	CS	5350		3.0	IP Machine Learning
FA14	CS	5630		3.0	A Visualization
SP14	CS	5961		0.0	W Scripting Language Design
FA14	CS	6150		3.0	B- Advanced Algorithms
SP15	CS	6300		3.0	IP Artificial Intelligence

FA12	ESL	1040		3.0	C+ Grammar & Editing Nns
SP13	ESL	1050		3.0	A Composition For Nns
SP15	ESL	1060	WR2	3.0	IP Expository Wrtg for ESL
FA12	ESL	1100		3.0	A Integrt Lang Skills ESL
SP14	ESL	1600	DVHF	3.0	A Tch & Lrn Across Lang
SU13	FCS	3600	BF	3.0	B Consumer & Community
SU13	GEOG	1400	BF	3.0	A Human Geography
SU13	GEOG	3670	IR	3.0	A Latin America
FA12	LING	1200	HF	3.0	A Intro Study Language
SP13	MATH	2280	QR	4.0	A Intro De's
SU14	MATH	3160		2.0	A Appl Compl Var
SP13	MATH	3170		1.0	A R Lab I
FA13	MATH	4400	QR	3.0	A Intr To Number Theory
SU14	MATH	5010	QRQI	3.0	A Intro To Probability
FA14	MATH	5080	QRQI	3.0	A Stat'l Inference I
SP15	MATH	5090	QRQI	3.0	IP Stat'l Inference II
SU14	MATH	5600	QRQI	0.0	W Surv-Numerical Analysis
FA12	MUSC	1010	FF	3.0	A Introduction to Music
FA12	THEA	1033	FF	3.0	A Acting I for Non Majors
SU14	WRTG	3014	CW	3.0	A- Scientific Writing