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ANTICP GRAD DATE:05/22/15

PROGRAM CODE: BS CPSC

CATALOG YEAR: FA2009

BACHELOR OF SCIENCE
COMPUTER SCIENCE

*****AT LEAST ONE REQUIREMENT HAS NOT BEEN SATISFIED*****

>>>IMPORTANT INFORMATION<<<

Regarding Final Evaluation and/or Grad Checkout Status

+ **FINAL EVALUATION STATUS: COMPLETE

(For Transfer Students Only)

A review of the units that you earned from other colleges, universities, or the Advanced Placement Tests has been completed.

**DEGREE CHECKOUT STATUS: APPROVED

Your major department has approved your grad check, (ie,reviewed the major courses on your TDA), but you have not paid your \$115 graduation fee. Pay this fee immediately at Student Financial Services (UH-180) to avoid potential delays to your graduation. (This is a one-time fee)

NEW/REALIGNED GENERAL EDUCATION INFORMATION

To see how General Education Categories I-V are now represented by Areas A-E, please go to:

http://distance-ed.fullerton.edu/bbpresentations/Academic_Advisement/New_GE_TDA_intro/player.html

All GE requirements remain exactly the same and no classes have been removed.

This TITAN Degree Audit (TDA) is provided to help you keep track of your progress toward a degree. Although efforts have been made to ensure its accuracy, you must carefully review it and report any errors to the Evaluations Unit (657-278-2396) or TDA Staff (tda@fullerton.edu). You are responsible for consulting a major adviser to verify the status of major requirements. If you have a Final Evaluation & Summary of Units, please use it together with this TDA. Final verification for graduation is based on your Graduation Check.

>>COMMENCEMENT INFORMATION:

If you are a graduation candidate, please access the commencement website at www.fullerton.edu/commencement for the specific dates of your graduation ceremony.

***** *L E G E N D* *****

NO =Req't Not Complete	RP =Duplicate/Retaken Course
OK =Req't Completed	>R =Repeatable Course
- =Sub-Req Not Complete	>D =Grades Averaged
+ =Sub-Req Completed	(R)=Required Course/Requirement
IP =In Progress Course	>S =Credit Reduced
>- =Credit Reduction May	

Be Required

****PLACEMENT EXAMINATIONS****

- + REQUIREMENT MET/EXEMPT FROM ENGLISH PLACEMENT TEST
- + PASS/EXEMPT FROM ENTRY LEVEL MATHEMATICS EXAM

GENERAL EDUCATION PROGRAM

UNIT REQUIREMENTS: Limited to either 9 units or 3 courses from a single department, excluding courses in G.E. Category A, Core Competencies.

COURSES IN YOUR MAJOR:

Courses offered by the department of the student's major may not be used to fulfill the unit requirements of Area B, C, D, E or Z, with the exception of areas offering choices from only one department. For more information visit the Academic Advisement Center (UH-123B).

>>TRANSFER STUDENTS: Transfer coursework is not held to the "9-unit/3-course limit from a single department" but no additional CSUF coursework from that department can be applied to G.E. The TDA system has a limitation in that it may incorrectly continue to apply courses exceeding the 9-unit/3-course limit from a single department. Please be sure to check with your evaluator for any additional CSUF courses that may have exceeded the limit.

OK A. CORE COMPETENCIES (NEEDS C OR BETTER) - 9 UNITS [GE-A]

- + A.1 ORAL COMMUNICATION - CSU CERTIFIED (3 UNITS)
[A1 CSU CERT]
SP95 A1 CSU CERT 3.0 B FUN INTPS CM
Cerritos: SPCH 12
- + A.2 WRITTEN COMMUNICATION (3 UNITS) [WRITTEN COMM]
FA91 ENGL-101 3.0 B FRESH COMP
Cerritos: ENGL 1
- + A.3 CRITICAL THINKING (3 UNITS) [CRIT THINKING]
SP93 PHIL-200 3.0 A INTRO LOGIC
Cerritos: PHIL 12

OK B. SCIENTIFIC INQUIRY AND QUANTITATIVE REASONING (12 UNITS MINIMUM) [GEB-CPSC]

- + B.1 PHYSICAL SCIENCE (3 UNITS MINIMUM) [PHY SCI]
SP92 B1 CSU CERT 3.0 B PHYS SCIENCE
Cerritos: PS 20
SP11 PHYS-115 4.0 A ELEMENTARY PHYSICS
Cerritos: PHYS 100
SP12 PHYS-225 3.0 A ENGINEERING PHYSICS
Cerritos: PHYS 201
SP12 PHYS-225L 1.0 A ENGINEERING PHYSICS
Cerritos: PHYS 201
- + B.2 LIFE SCIENCE (3 UNITS MINIMUM) [BIOLOGY]

FA91 BIOL-101	3.0 A	INTR BIO SCI	
		Cerritos: BIOL	10
FA91 BIOL-101L	1.0 A	INTR BIO SCI	
		Cerritos: BIOL	10

+ B.3 LABORATORY EXPERIENCE SATISFIED [LAB]

+ B.4 MATHEMATICS QUANTITATIVE REASONING(3 UNITS MINIMUM)
NEEDS 'C' OR BETTER [MATH]

SP93 B4 CSU CERT	4.0 A	FINITE MATH	
		Cerritos: MATH	15
FA95 B4 CSU CERT	4.0 C	COLL ALGEBRA	
		Cerritos: MATH	17
SP11 MATH-125	7.0 A	PRECALCULUS MATH	++
		Cerritos: MATH	150, 140
FA11 MATH-150A	4.0 A	ANALYTIC GEOM & CALC I	
		Cerritos: MATH	170
SP12 MATH-150B	4.0 A	ANALYTIC GEOM & CALC II	
		Cerritos: MATH	190

B.5 IMPLICATIONS AND EXPLORATIONS IN MATH AND NAT SCI
[ALTER]

FA12 PHYS-226	3.0 C	ENGINEERING PHYSICS	
		Cerritos: PHYS	202
FA12 PHYS-226L	1.0 C	ENGINEERING PHYSICS	
		Cerritos: PHYS	202
FA13 MATH-338	4.0 B+	STAT APPL TO NATURAL SCI	

OK C. ARTS AND HUMANITIES (12 UNITS MINIMUM)
[GE-C]

+ C.1 INTRODUCTION TO ARTS (3 UNITS) [ARTS]

SP93 ART -201A	3.0 D	APPREC&HIST	
		Cerritos: ART	1

+ C.2 INTRODUCTION TO HUMANITIES (3 UNITS) [HUMS]

FA92 PHIL-100	3.0 B	INTRO-PHIL	
		Cerritos: PHIL	5
FA93 C2 CSU CERT	5.0 B	ELM JAPN	
		Cerritos: JAPN	1

+ C.3 EXPLORATIONS IN THE ARTS OR HUMANITIES (3 UNITS)
[EXPA]

FA13 PHIL-350	3.0 C+	ASIAN PHILOSOPHY	
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+ C.4 ORIGINS OF WORLD CIVILIZATION (3 UNITS) [CIVIL1]
WORLD CIV WAIVED--[CSU GE CERTIFICATION]

OK D. SOCIAL SCIENCES (12 UNITS MINIMUM)
[GE-D]

+ D.1 INTRODUCTION TO THE SOCIAL SCIENCES (3 UNITS)
[SOC SCI]

SP92 PSYC-101	3.0 A	GEN INT PSYC	
		Cerritos: PSYC	1
FA92 D9 CSU CERT	3.0 A	DEVEL PSYC	
		Cerritos: PSYC	11
SP93 ANTH-101	3.0 B	HUM EVOL/VAR	

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*****MAJOR REQUIREMENTS*****
A C- OR BETTER IS REQUIRED IN ALL PREREQUISITE COURSES AND IN
COURSES APPLIED TO THE MAJOR. A 2.0 GPA MUST BE MAINTAINED IN
ALL ATTEMPTED COMPUTER SCIENCE COURSES (INCLUDING ENGLISH 101).
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* BE AWARE THAT DUE TO CHANGES IN DEPARTMENT CURRICULA, THERE *
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* MAY BE OTHER COURSE REQUIREMENTS. PLEASE SEE AN ADVISER. *

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NO COMPUTER SCIENCE CORE COURSES

+ 1) LOWER DIVISION COURSES (18 UNITS) [CPSCLD]

A C- OR BETTER GRADE IS REQUIRED IN THESE COURSES.

BCIS 39 MEETS CPSC 254

FA96 CPSC-253U	3.0 C	UNIX	
		Cerritos: BCIS	39
FA09 CPSC-120	3.0 A	PROGRAMMING IN C/C++	
		Cerritos: CIS	180
FA09 CPSC-223J	3.5 A	JAVA PROGRAMMING	
		Cerritos: CIS	182
SP10 CPSC-131	3.0 B	DATA STRUCTURES	
		Cerritos: CIS	292
FA13 CPSC-121	3.0 A	PROGRAMMING CONCEPTS	
FA14 CPSC-240	3.0 A-	COMP ORG & ASSEMBLY LANG	

- 2) UPPER DIVISION COURSES (28 UNITS) [CPSCUD]

A C- OR BETTER GRADE IS REQUIRED IN THESE COURSES.

* Students must take and pass the Examination *
* in Programming Proficiency(EPP) before taking *
* upper-division Computer Science courses. *
* Students who do not pass the EPP will be *
* required to take Computer Science 301 *
* Programming Lab Practicum. *

SP14 CPSC-311	3.0 A	TECH WRITING FOR COMP SCI	
FA14 CPSC-315	1.0 A	SOCIAL AND ETHICAL ISSUES	
SP15 CPSC-323	0.0	IP PROG LANGUAGE & TRANS	
SP15 CPSC-335	0.0	IP ALGORITHM ENGINEERING	
SP15 CPSC-362	0.0	IP SOFTWARE ENGINEERING	
SP15 CPSC-440	0.0	IP COMP SYST ARCHITECTURE	
TAKE==> CPSC 323,332,335,351,362,440,			
CPSC 471(FA06 or after),481			

SCIENCE AND MATHEMATICS (30 UNITS)

+ 3) MATHEMATICS (18 UNITS) [CPSCMATH]

FA11 MATH-150A	4.0 A	ANALYTIC GEOM & CALC I	
		Cerritos: MATH	170
SP12 MATH-150B	4.0 A	ANALYTIC GEOM & CALC II	
		Cerritos: MATH	190
FA13 MATH-338	4.0 B+	STAT APPL TO NATURAL SCI	
SP14 MATH-270A	3.0 B	MATHEMATICAL STRUCTURES I	
FA14 MATH-270B	3.0 B-	MATHEMATICAL STRUCTURE II	

+ 4) PHYSICAL SCIENCE (8 UNITS) [CPSCPHYSSCI]

SP12 PHYS-225	3.0 A	ENGINEERING PHYSICS	
		Cerritos: PHYS	201
SP12 PHYS-225L	1.0 A	ENGINEERING PHYSICS	
		Cerritos: PHYS	201
FA12 PHYS-226	3.0 C	ENGINEERING PHYSICS	
		Cerritos: PHYS	202
FA12 PHYS-226L	1.0 C	ENGINEERING PHYSICS	

- + 5) BIOLOGICAL SCIENCE (4 UNITS)[CPSCBIOLSCI|CPSCBIOLAB]
 FA91 BIOL-101 3.0 A INTR BIO SCI
 Cerritos: BIOL 10
 FA91 BIOL-101L 1.0 A INTR BIO SCI
 Cerritos: BIOL 10

MULTIMEDIA & DIGITAL GAME TECHNOLOGIES (15 UNITS)

- REQUIRED ELECTIVES (15 UNITS) [CPSC-MG-ELECT]
 TAKE==> CPSC 386,484,486,487,489

OR INTERNET & ENTERPRISE COMPUTING TECHNOLOGIES (15 UNITS)

- REQUIRED ELECTIVES (15 UNITS) [CPSC-IE-ELECT]
 Take the following courses plus 3 units of
 adviser approved 300/400 level course in
 Computer Science.
 TAKE==> CPSC 431,473,474,476

OR SOFTWARE ENGINEERING (15 UNITS)

- REQUIRED ELECTIVES (15 UNITS) [CPSC-SE-ELECT]
 Take the following courses plus 3 units of
 adviser approved 300/400 level course in
 Computer Science.
 TAKE==> CPSC 462,463,464,466

OR CUSTOMIZED TRACK (15 UNITS)

- REQUIRED ELECTIVES (15 UNITS) [CPSC-CT-ELECT]
 Any adviser approved combination of 15 units courses
 selected from any elective track or from the following
 course list. At least 9 units must be 400-level,
 and no more than 3 units from 490-499 courses.
 TAKE==> CPSC 303,322L,353,376,411,433,459,483,485,
 CPSC 491T OR 495 OR 499 EGCP 447

OR SCIENTIFIC COMPUTING (17 UNITS)

- REQUIRED ELECTIVES (17 UNITS) [CPSC-SC-ELECT]
 Take the following courses plus 3 units of adviser
 approved 300/400 level course in Computer Science.
 **Effective Spring 2011: The adviser-approved course
 must be 400-level**
 FA12 MATH-250A 4.0 B ANALYTIC GEOM & CALC III
 Cerritos: MATH 220
 TAKE==> MATH 250B,340 ,370

OK UPPER-DIVISION BACCALAUREATE WRITING REQUIREMENT

- + COURSE REQUIREMENT
 SP14 CPSC-311 3.0 A TECH WRITING FOR COMP SCI

GRADE POINT AVERAGE REQUIREMENTS FOR COMPUTER SCIENCE
 INCLUDING ALL OTHER COURSES APPLIED TOWARD THE MAJOR

+ G.P.A. OF ALL COURSES ATTEMPTED IN COMPUTER SCIENCE
 (INCLUDING ENGL-101 OR ITS EQUIVALENT AND NON-CPSC
 COURSES USED IN THE MAJOR)
 68.5 UNITS ATTEMPTED 243.4 POINTS 3.55 GPA

COURSES NOT SPECIFICALLY APPLIED TO ABOVE REQUIREMENTS

GENERAL ELECTIVES--THE CREDITS FROM THESE COURSES COUNT
 TOWARDS THE BACCALAUREATE DEGREE.

SS93 ACCTT3292	3.0 A	INTRO ACTG	
		Cerritos: BUSA	10
FA93 TRSFR3295	3.0 A	INT/ACTG-IBM	
		Cerritos: BUSA	31
FA94 CPSC-103	3.0 A	MICROCOMP	
		Cerritos: BCIS	15
SP96 E CSU CERT	3.0 A	PERS/SOC ADJ	
		Cerritos: PSYC	33
FA96 TRSFR3291	0.0 F	INTERNET	
		Cerritos: BCIS	82
SS09 CPSCT3316	3.5 A	COMPUTER PROGRAMMING LOGIC	
		Cerritos: CIS	103
FA10 CPSCT3322	3.5 A	ADVANCED JAVA PROGRAMMING	
		Cerritos: CIS	282
SP11 CPSCT3320	3.0 A	OBJECT-ORIENTD PRGRAMG C++	
		Cerritos: CIS	280
SP14 CPSC-301	2.0 CR	PROGRAMMING LAB PRACTICUM	

REMEDIAL/NONBACCALAUREATE COURSEWORK (NO DEGREE CREDIT)

FA91 NONBA3313	4.0 A	EL ALGEBRA	
		Cerritos: MATH	30
FA92 NONBA3304	4.0 B	INT ALGEBRA	
		Cerritos: MATH	23

U N I T / G P A A D J U S T M E N T S

>>GRADE FORGIVENESS:

GRADE FORGIVENESS HAS BEEN APPLIED TO THE FOLLOWING
 COURSES. THE GRADES AND UNITS HAVE BEEN REMOVED FROM
 THE GRADE POINT AVERAGE AND EARNED UNIT CALCULATIONS.

3.0 UNITS ATTEMPTED	.0 POINTS	0.00 GPA	
FA94 A1 CSU CERT	0.0 F	FUN INTPS CM	
		Cerritos: SPCH	12
SP95 ART -201A	0.0 F	APPREC&HIST	
		Cerritos: ART	1
FA95 E CSU CERT	0.0 F	PERS/SOC ADJ	
		Cerritos: PSYC	33
FA96 TRSFR3290	3.0 F	COMP-PRO-LOG	
		Cerritos: BCIS	56

ACADEMIC RENEWAL--THE GRADES AND UNITS OF THE FOLLOWING
 COURSES HAVE BEEN REMOVED FROM THE GRADE POINT AVERAGE
 CALCULATION AND CUMULATIVE EARNED UNITS.

16.0 UNITS EARNED			
SP94 ACCT-201A	7.0 F	FUND-ACTG I	++
		Cerritos: BUSA	11, 33

FA95 TRSFR3308	3.0 F	ABNORML PSYC	
		Cerritos: PSYC	14
SP96 C2 CSU CERT	3.0 F	FR COMP/LIT	
		Cerritos: ENGL	2
FA96 TRSFR3289	3.0 F	DES/DESK PUB	
		Cerritos: ART	48.1

S U M M A R Y O F U N I T S

NO UNIT REQUIREMENTS

- UNITS EARNED AT CSUF (30 UNITS MINIMUM)
(Extended Education units are excluded from this total)
25.0 UNITS EARNED
- + CSUF GRADE POINT AVERAGE (2.00 MINIMUM REQUIRED)
23.0 UNITS ATTEMPTED 76.3 POINTS 3.32 GPA
- UPPER DIVISION UNITS EARNED (40 UNITS MINIMUM)
13.0 UNITS EARNED
- RESIDENCE UPPER DIVISION UNITS (24 UNITS MINIMUM)
13.0 UNITS EARNED
- MAJOR Residence UPPER DIVISION UNITS (12 UNITS)
10.0 UNITS EARNED 3.65 GPA

OK TRANSFER INSTITUTION TOTALS

70.0 UNITS EARNED
126.0 UNITS ATTEMPTED 419.0 POINTS 3.33 GPA

NO CUMULATIVE NUMBER OF UNITS APPLIED TOWARD THE DEGREE
THIS DEGREE REQUIRES A MINIMUM OF 124 UNITS.
EARNED: 95.0 UNITS

OK CUMULATIVE GRADE POINT AVERAGE OF ALL ATTEMPTED UNITS
(2.00 MINIMUM REQUIRED)

149.0 UNITS ATTEMPTED 495.3 POINTS 3.32 GPA

COURSEWORK FROM FA1991 to SP2015

***Excludes the following:

1. Remedial/Non-baccalaureate level courses
2. Repeated courses that have been removed from GPA
and earned unit calculations(Grade Forgiveness)
3. Academic Renewal courses

Transfer Courses

124.5 UNITS EARNED 3.33 GPA

FA91 BIOL-101	3.0 A	INTR BIO SCI	
		Cerritos: BIOL	10
FA91 BIOL-101L	1.0 A	INTR BIO SCI	
		Cerritos: BIOL	10
FA91 ENGL-101	3.0 B	FRESH COMP	
		Cerritos: ENGL	1
SP92 B1 CSU CERT	3.0 B	PHYS SCIENCE	
		Cerritos: PS	20
SP92 PSYC-101	3.0 A	GEN INT PSYC	
		Cerritos: PSYC	1
FA92 D9 CSU CERT	3.0 A	DEVEL PSYC	

			Cerritos: PSYC	11
FA92 HIST-170A	0.0 W		POL-SOC HIST	
			Cerritos: HIST	7.1
FA92 PHIL-100	3.0 B		INTRO-PHIL	
			Cerritos: PHIL	5
SP93 ANTH-101	3.0 B		HUM EVOL/VAR	
			Cerritos: ANTH	1
SP93 ART -201A	3.0 D		APPREC&HIST	
			Cerritos: ART	1
SP93 B4 CSU CERT	4.0 A		FINITE MATH	
			Cerritos: MATH	15
SP93 PHIL-200	3.0 A		INTRO LOGIC	
			Cerritos: PHIL	12
SS93 ACCTT3292	3.0 A		INTRO ACTG	
			Cerritos: BUSA	10
FA93 C2 CSU CERT	5.0 B		ELM JAPN	
			Cerritos: JAPN	1
FA93 MATH-135	0.0 W		CALC-MGR-BIO	
			Cerritos: MATH	16
FA93 POSC-100	3.0 C		AM POL-INST	
			Cerritos: POL	5
FA93 TRSFR3295	3.0 A		INT/ACTG-IBM	
			Cerritos: BUSA	31
SP94 C2 CSU CERT	0.0 W		ELM JAPN	
			Cerritos: JAPN	2
SP94 D9 CSU CERT	3.0 C		SOCIAL PSYC	
			Cerritos: PSYC	13
FA94 B4 CSU CERT	0.0 W		TRIGONOMETRY	
			Cerritos: MATH	21
FA94 CPSC-103	3.0 A		MICROCOMP	
			Cerritos: BCIS	15
FA94 TRSFR3294	0.0 W		FUND-ACTG I	
			Cerritos: BUSA	11
SP95 A1 CSU CERT	3.0 B		FUN INTPS CM	
			Cerritos: SPCH	12
SP95 B4 CSU CERT	0.0 W		TRIGONOMETRY	
			Cerritos: MATH	21
FA95 B4 CSU CERT	4.0 C		COLL ALGEBRA	
			Cerritos: MATH	17
FA95 HIST-170B	3.0 B		POL-SOC HIST	
			Cerritos: HIST	7.2
SP96 E CSU CERT	3.0 A		PERS/SOC ADJ	
			Cerritos: PSYC	33
SP96 ECON-201	3.0 C		PRINCIPLES	
			Cerritos: ECON	1.1
SP96 HESC-101	3.0 A		CONT HLTH PR	
			Cerritos: HED	8
FA96 ART -223A	0.0 W		LETTERING	
			Cerritos: ART	42
FA96 CPSC-253U	3.0 C		UNIX	
			Cerritos: BCIS	39
FA96 TRSFR3291	0.0 F		INTERNET	
			Cerritos: BCIS	82
SS09 CPSCT3316	3.5 A		COMPUTER PROGRAMMING LOGIC	
			Cerritos: CIS	103
FA09 CPSC-120	3.0 A		PROGRAMMING IN C/C++	
			Cerritos: CIS	180
FA09 CPSC-223J	3.5 A		JAVA PROGRAMMING	

SP10 CPSC-131	3.0 B	Cerritos: CIS 182 DATA STRUCTURES
FA10 CPSCT3322	3.5 A	Cerritos: CIS 292 ADVANCED JAVA PROGRAMMING
SP11 CPSCT3320	3.0 A	Cerritos: CIS 282 OBJECT-ORIENTED PROGRAM C++
SP11 MATH-125	7.0 A	Cerritos: CIS 280 PRECALCULUS MATH ++
SP11 PHYS-115	4.0 A	Cerritos: MATH 150, 140 ELEMENTARY PHYSICS
FA11 MATH-150A	4.0 A	Cerritos: PHYS 100 ANALYTIC GEOM & CALC I
SP12 MATH-150B	4.0 A	Cerritos: MATH 170 ANALYTIC GEOM & CALC II
SP12 PHYS-225	3.0 A	Cerritos: MATH 190 ENGINEERING PHYSICS
SP12 PHYS-225L	1.0 A	Cerritos: PHYS 201 ENGINEERING PHYSICS
FA12 MATH-250A	4.0 B	Cerritos: PHYS 201 ANALYTIC GEOM & CALC III
FA12 PHYS-226	3.0 C	Cerritos: MATH 220 ENGINEERING PHYSICS
FA12 PHYS-226L	1.0 C	Cerritos: PHYS 202 ENGINEERING PHYSICS

FA2013

10.0 UNITS EARNED	3.21 GPA
FA13 CPSC-121	3.0 A PROGRAMMING CONCEPTS
FA13 MATH-338	4.0 B+ STAT APPL TO NATURAL SCI
FA13 PHIL-350	3.0 C+ ASIAN PHILOSOPHY

SP2014

8.0 UNITS EARNED	3.50 GPA
SP14 CPSC-301	2.0 CR PROGRAMMING LAB PRACTICUM
SP14 CPSC-311	3.0 A TECH WRITING FOR COMP SCI
SP14 MATH-270A	3.0 B MATHEMATICAL STRUCTURES I

FA2014

7.0 UNITS EARNED	3.31 GPA
FA14 CPSC-240	3.0 A- COMP ORG & ASSEMBLY LANG
FA14 CPSC-315	1.0 A SOCIAL AND ETHICAL ISSUES
FA14 MATH-270B	3.0 B- MATHEMATICAL STRUCTURE II

SP2015

SP15 CPSC-323	0.0 IP PROG LANGUAGE & TRANS
SP15 CPSC-335	0.0 IP ALGORITHM ENGINEERING
SP15 CPSC-362	0.0 IP SOFTWARE ENGINEERING
SP15 CPSC-440	0.0 IP COMP SYST ARCHITECTURE

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