NAME		BACHELOR OF SCIENCE DEGREE PROGRAM (2013-2014 CATA	LOG	;)		
ADVISOR		COMPUTER SCIENCE (7071)	1			
COMMENTS COURSE COURSE DESCRIPTIONS CR. YEAR GRAI						
COUNSET COURSE DESCRIPTIONS	ADDRESS	TELEPHONE NO.:				
COUNSET COURSE DESCRIPTIONS	ADMICOD	EMAH				
COURSE # COURSE DESCRIPTIONS CR. YEAR GRAFRESHMAN YEAR - FALL SEMESTER						
FRESHMAN YEAR – FALL SEMESTER COM 1101 University Experience COM 1101 Composition and Rhetoric (Requirements: Passing grade on placement exam or prerequisite course). Prerequisite: COM 0100 or COM 0110. CSE 1001 Fundamentals of Software Development I (Requirements: Passing score on Calculus Placement Test or prerequisite course). (CL) Prerequisite: MTH 1000 [MIST PASS WITH "C" OR BETTER] CSE 1101 Computing Disciplines and Careers 1 Applied Discrete Mathematics (Requirements: Passing score on the Calculus Readiness 1 test, or prerequisite course). Prerequisite: MTH 1000. Social Science Elective TOTAL 15 FRESHMAN YEAR – SPRING SEMESTER COM 1102 Writing about Literature (Prerequisite: COM 1101) Fundamentals of Software Development 2 (CL) (Prerequisite: CSE 1001) [MIST PASS WITH A "C" OR BETTER] MTH 1001 Calculus I (Requirements: High school algebra and trigonometry, and a passing score on the placement test, or prerequisite course). Prerequisite: SE 1001. [MUST PASS WITH A "C" OR BETTER] SOPHOMORE YEAR – FALL SEMESTER COM 2012 Research Sources and Systems (Prerequisite: CSE 1001) [02] 1 SOPHOMORE YEAR – FALL SEMESTER COM 2022 Research Sources and Systems (Prerequisite: CSE 1002, CSE 1400 or MTH 2051, 4 [MUST PASS WITH A "C" OR BETTER] TOTAL 17 SOPHOMORE YEAR – FALL SEMESTER COM 2012 Research Sources and Systems (Prerequisite: CSE 1002, CSE 1400 or MTH 2051, 4 [MUST PASS WITH A "C" OR BETTER] WITH 1001 Calculus 2 (Prerequisite: WITH 1001) 4 [MUST PASS WITH A "C" OR BETTER] TOTAL 17 SOPHOMORE YEAR – FALL SEMESTER COM 2012 Research Sources and Systems (Prerequisite: CSE 1002, CSE 1400 or MTH 2051, 4 [MUST PASS WITH A "C" OR BETTER] WITH 1002 Calculus 2 (Prerequisite: WITH 1001) 4 [MUST PASS WITH A "C" OR BETTER] TOTAL 16 SOPHOMORE YEAR – SPRING SEMESTER CSE 2010 Algorithms and Data Structures (Prerequisite: CSE 1002, CSE 1400 or MTH 2051, 4 [MUST PASS WITH A "C" OR BETTER] WITH 1002 Calculus 2 (Prerequisite: WITH 1001) A [MIST PASS WITH A "C" OR BETTER] OF CHOOSE OXE sequence Biology, Chem			1	CD	VEAD	CDADE
ASC 1000 University Experience COM 1101 Composition and Rhetoric (Requirements: Passing grade on placement exam or prerequisite course). Prerequisite: COM 0100 or COM 0110. CSE 1001 Fundamentals of Software Development 1 (Requirements: Passing score on Calculus Placement Test or prerequisite course). (C.1 Perequisite: MTH 1000 [MUST PASS WTH "C" OR BETTER] CSE 1101 Computing Disciplines and Careers 1				CK.	YEAK	GRADE
COM 1101 Composition and Rhetoric (Requirements: Passing grade on placement exam or prerequisite course). Prerequisite: COM 0100 or COM 0110. CSE 1001 Fundamentals of Software Development 1 (Requirements: Passing score on Calculus Placement Test or prerequisite course). (CL) Prerequisite: MTH 1000 [MUST PASS WITH 1"C" OR BETTER] CSE 1101 CSE 1400 Applied Discrete Mathematics (Requirements: Passing score on the Calculus Readiness Test, or prerequisite course). Prerequisite: MTH 1000. Social Science Elective TOTAL 15 FRESHMAN YEAR – SPRING SEMESTER COM 1102 CSE 1002 CSE 1003 CSE 1002 CSE 1003 CSE 1003 CSE 1003 CSE 1004 CSE 1005 CSE 1005 CSE 1005 CSE 1005 CSE 1005 CSE 1005 CSE 1006 CSE 1007 CSE 1007 CSE 1007 CSE 1007 CSE 1007 CSE 1008 CSE			I	1		
Prerequisite course, Prerequisite: COM 0100 or COM 0110.				2		
CSE 1001 Pundamentals of Software Development I (Requirements: Passing score on Calculus Placement Test or prerequisite course). (CL) Prerequisite: MTH 1000 MUST PASS WITH "C" OR BETTER] CSE 1101 Computing Disciplines and Careers 1 1 1 1 1 1 1 1 1	COM 1101			3		
Placement Test or prerequisite course), (CL) Prerequisite: MTH 1000 MUST PASS WITH "C" OR BETTER] 1 1 1 1 1 1 1 1 1	CSE 1001		c	1		
IMUST PASS WITH "C" OR BETTER	CSE 1001		.8	4		
CSE 1101 Computing Disciplines and Careers 1 CSE 1400 Applied Discrete Mathematics (Requirements: Passing score on the Calculus Readiness 3 Test, or prerequisite course). Prerequisite: MTH 1000. Social Science Elective TOTAL 15 FRESHMAN YEAR – SPRING SEMESTER COM 1102 Writing about Literature (Prerequisite: COM 1101) CSE 1002 Fundamentals of Software Development 2 (CL) (Prerequisite: CSE 1001) (MUST PASS WITH A "C" OR BETTER) CSE 2120 Computer Organization (Prerequisite: CSE 1001). [MUST PASS WITH A "C" OR BETTER) MTH 1001 Calculus 1 (Requirements: High school algebra and trigonometry, and a passing score on the placement test, or prerequisite course). Prerequisites: MTH 1000. Restricted Elective (Science) TOTAL 17 SOPHOMORE YEAR – FALL SEMESTER COM 2012 Research Sources and Systems (Prerequisite: COM 1102) CSE 2010 Algorithms and Data Structures (Prerequisite: CSE 1002, CSE 1400 or MTH 2051. [MUST PASS WITH A "C" OR BETTER] MTH 1002 Calculus 2 (Prerequisite: MTH 1001) Calculus 2 (Prerequisite: MTH 1001) TOHOSE ONE sequence Biology, Chemistry, or Physics BIO 1010 Biological Discovery 1 (Requirement: High School biology and chemistry.) General Chemistry 1 Physics 1 (Prerequisite: MTH 1001, MTH 1002. Co-requisite: MTH 1002 and PHY 2091 (Co-requisite: PHY 1001 or PHY 1999) [One credit maybe applied toward Restricted Science Elective] TOTAL 16 SOPHOMORE YEAR – SPRING SEMESTER CSE 2050 Programming in a Second Language (Requirement: Instructor approval or prerequisite course). Prerequisite: CSE 1502 or CSE 2120. SOPHOMORE YEAR – SPRING SEMESTER CSE 2050 Civilization 1: Ancient Through Medieval (Prerequisite: CSM 1102) 3 HUM 2510 Logic (Prerequisite: COM 1101) 3 COMPLETE sequence Biology, Chemistry, or Physics BiO 1020 Physics 2 (Prerequisite: COM 1101) 3 COMPLETE sequence Biology Chemistry, or Physics BiO 1020 Physics 2 (Prerequisite: COM 1101) 6 COMPLETE sequence Biology Chemistry, or Physics BiO 1020 Physics 2 (Prerequisite: COM 1101) Physics 2 (Prerequisite: COM 1101) 6 Complete						
CSE 1400 Applied Discrete Mathematics (Requirements: Passing score on the Calculus Readiness Test, or prerequisite course). Prerequisite: MTH 1000. Social Science Elective TOTAL 15 FRESHMAN YEAR - SPRING SEMESTER COM 1102 Writing about Literature (Prerequisite: COM 1101) 3 CSE 1002 Fundamentals of Software Development 2 (CL) (Prerequisite: CSE 1001) 4 (MUST PASS WITH A "C" OR BETTER) CSE 2120 Computer Organization (Prerequisite: CSE 1001). [MUST PASS WITH A "C" OR BETTER) MTH 1001 Calculus 1 (Requirements: High school algebra and trigonometry, and a passing score on the placement test, or prerequisite course). Prerequisites: MTH 1000. Restricted Elective (Science) TOTAL 17 SOPHOMORE YEAR - FALL SEMESTER COM 2012 Research Sources and Systems (Prerequisite: COM 1102) 3 CSE 2010 Algorithms and Data Structures (Prerequisite: COM 1102) 3 CSE 2010 Algorithms and Data Structures (Prerequisite: CSE 1002, CSE 1400 or MTH 2051. 4 [MUST PASS WITH A "C" OR BETTER] MTH 1001) 4 CHOOSE ONE sequence Biology, Chemistry, or Physics Biological Discovery 1 (Requirement: High School biology and chemistry.) CHM 1101 General Chemistry 1 Phy 1001 Physics 1 (Prerequisite: MTH 1001, MTH 1002, Co-requisite: MTH 1002) and PHY 2091 (Co-requisite: PHY 1001 or PHY 1999) (One credit maybe applied toward Restricted Science Elective) TOTAL 16 SOPHOMORE YEAR - SPRING SEMESTER CSE 2050 Programming in a Second Language (Requirement: Instructor approval or prerequisite course). Prerequisite: CSE 1502 or CSE 2120. 110 (Control 100) and PHY 2091 (Co-requisite: CSE 1502 or CSE 2120. 110 (COMPLE) and PHY 2002 (Corequisite: COM 1102) and PHY 2002 (Corequisite: CSE 1502 or CSE 2120. 110 (COMPLE) and PHY 2002 (Prerequisite: CSE 1502 or CSE 2120. 110 (Prerequisite: CSE 2050 and Prerequisite: CSE 2050 and PHY 2002 (Prerequisite: CSE 2050 and PHY 2002 (Prere	CSF 1101			1		
Test, or prerequisite course). Prerequisite: MTH 1000. Social Science Elective TOTAL 15 FRESHMAN YEAR – SPRING SEMESTER COM 1102 Writing about Literature (Prerequisite: COM 1101) CSE 1002 Fundamentals of Software Development 2 (CL) (Prerequisite: CSE 1001) (MUST PASS WITH A "C" OR BETTER) CSE 2120 Computer Organization (Prerequisite: CSE 1001). [MUST PASS WITH A "C" OR BETTER) MTH 1001 Calculus 1 (Requirements: High school algebra and trigonometry, and a passing score on the placement test, or prerequisite course). Prerequisites: MTH 1000. Restricted Elective (Science) SOPHOMORE YEAR – FALL SEMESTER COM 2012 Research Sources and Systems (Prerequisite: COM 1102) Algorithms and Data Structures (Prerequisite: CSE 1002, CSE 1400 or MTH 2051. 4 [MUST PASS WITH A "C" OR BETTER] MTH 1002 Algorithms and Data Structures (Prerequisite: CSE 1002, CSE 1400 or MTH 2051. 4 [MUST PASS WITH A "C" OR BETTER] MTH 1002 Calculus 2 (Prerequisite: MTH 1001) CHOOSE ONE sequence Biology, Chemistry, or Physics Biol 1010 General Chemistry 1 Physics 1 (Prerequisite: MTH 1001, MTH 1002, Co-requisite: MTH 1002) and PHY 2091 (Co-requisite: PHY 1001 or PHY 1999) [One credit maybe applied toward Restricted Science Elective] TOTAL 16 SOPHOMORE YEAR – SPRING SEMESTER CSE 2010 Programming in a Second Language (Requirement: Instructor approval or prerequisite course). Prerequisite: CSE 1502 or CSE 2120. CSE 2410 Introduction to Software Engineering (Prerequisite: CSE 2010 or ECE 2552) 3 HUM 2510 Logic (Prerequisite: COM 1101) 3 COMPLETE sequence Biology, Chemistry, or Physics BIO 1020 Complete Sequence Biology, Chemistry, or Physics BIO 1020 Edicate Physics 2 (Prerequisite: CM 1101) 3 COMPLETE sequence Biology, Chemistry, or Physics BIO 1020 Physics 2 (Prerequisite: CHM 1101) Physics 2 (Prerequisite: COM 1102) 4 Physics 2 (Prerequisite: CHM 1101) Physi						
Social Science Elective	CSE 1400		1035	3		
FRESHMAN YEAR – SPRING SEMESTER COM 1102 Writing about Literature (Prerequisite: COM 1101) 3 CSE 1002 Fundamentals of Software Development 2 (CL) (Prerequisite: CSE 1001) 4 (MUST PASS WITH A "C" OR BETTER) CSE 2120 Computer Organization (Prerequisite: CSE 1001). [MUST PASS WITH A "C" OR BETTER) MTH 1001 Calculus 1 (Requirements: High school algebra and trigonometry, and a passing score on the placement test, or prerequisite course). Prerequisites: MTH 1000. Restricted Elective (Science) 3 SOPHOMORE YEAR – FALL SEMESTER COM 2012 Research Sources and Systems (Prerequisite: COM 1102) 1 CSE 2010 Algorithms and Data Structures (Prerequisite: CSE 1002, CSE 1400 or MTH 2051. 4 (MUST PASS WITH A "C" OR BETTER] MTH 1002 Calculus 2 (Prerequisite: MTH 1001) 4 CHOOSE ONE sequence Biology, Chemistry, or Physics Biological Discovery 1 (Requirement: High School biology and chemistry.) General Chemistry 1 Physics 1 (Prerequisite: MTH 1001, MTH 1002, Co-requisite: MTH 1002) and PHY 2091 (Co-requisite: PHY 1001 or PHY 1999) [One credit maybe applied toward Restricted Science Elective] SOPHOMORE YEAR – SPRING SEMESTER CSE 2050 Programming in a Second Language (Requirement: Instructor approval or prerequisite course). Prerequisite: CSE 1502 or CSE 2120. CSE 2410 Introduction to Software Engineering (Prerequisite: CSE 2010 or ECE 2552) 3 HUM 2051 Civilization 1: Ancient Through Medieval (Prerequisite: COM 1102) 3 HUM 2051 Civilization 2 (Requirement: High School biology and chemistry) General Chemistry 2 (Prerequisite: CSE 1502 or CSE 2120. COMPLETE sequence Biology, Chemistry, or Physics 4 BIO 1020 Biological Discovery 2 (Requirement: High School biology and chemistry) General Chemistry 2 (Prerequisite: CMH 1101) Physics 2 (Prerequisite: CMH 1001) Complete Physics 2 (Prerequisite: CMH 1001) Physics 2 (Prerequisite: CMH 1001) Re				3		
FRESHMAN YEAR – SPRING SEMESTER COM 1102 Writing about Literature (Prerequisite: COM 1101) CSE 1002 Fundamentals of Software Development 2 (CL) (Prerequisite: CSE 1001) (MUST PASS WITH A "C" OR BETTER) CSE 2120 Computer Organization (Prerequisite: CSE 1001). [MUST PASS WITH A "C" OR 3 BETTER) MTH 1001 Calculus 1 (Requirements: High school algebra and trigonometry, and a passing score on the placement test, or prerequisite course). Prerequisites: MTH 1000. Restricted Elective (Science) TOTAL 17 SOPHOMORE YEAR – FALL SEMESTER COM 2012 Research Sources and Systems (Prerequisite: COM 1102) 1 COM 2223 Scientific and Technical Communications (Prerequisite: COM 1102) 3 Algorithms and Data Structures (Prerequisite: CSE 1002, CSE 1400 or MTH 2051. 4 [MUST PASS WITH A "C" OR BETTER] MTH 1002 Calculus 2 (Prerequisite: MTH 1001) CHOOSE ONE sequence Biology, Chemistry, or Physics BIO 1010 Biological Discovery 1 (Requirement: High School biology and chemistry.) General Chemistry 1 Physics 1 (Prerequisite: MTH 1001, MTH 1002. Co-requisite: MTH 1002) and PHY 2091 (Co-requisite: MTH 1001 or PHY 1999) [One credit maybe applied toward Restricted Science Elective] SOPHOMORE YEAR – SPRING SEMESTER CSE 2050 Programming in a Second Language (Requirement: Instructor approval or prerequisite course). Prerequisite: CSE 1002 or CSE 2120. CSE 2410 Introduction to Software Engineering (Prerequisite: CSE 2010 or ECE 2552) 3 HUM 2051 Civilization 1: Ancient Through Medieval (Prerequisite: COM 1102) 4 COMPLET Sequence Biology, Chemistry, or Physics BIO 1020 Giogical Discovery 2 (Requirement: High School biology and chemistry) General Chemistry 2 (Prerequisite: CHM 1101) Physics 2 (Prerequisite: PHY 1001) and PHY 2092 (Corequisite: PHY 2002) [One credit maybe applied toward Restricted Science Elective]			ΓΔΙ			
COM 1102 Writing about Literature (Prerequisite: COM 1101) CSE 1002 Fundamentals of Software Development 2 (CL) (Prerequisite: CSE 1001) (MUST PASS WITH A "C" OR BETTER) CSE 2120 Computer Organization (Prerequisite: CSE 1001). [MUST PASS WITH A "C" OR BETTER) MTH 1001 Calculus 1 (Requirements: High school algebra and trigonometry, and a passing score on the placement test, or prerequisite course). Prerequisites: MTH 1000. Restricted Elective (Science) TOTAL 17 SOPHOMORE YEAR – FALL SEMESTER COM 2012 Research Sources and Systems (Prerequisite: COM 1102) COM 2223 Scientific and Technical Communications (Prerequisite: COM 1102) Algorithms and Data Structures (Prerequisite: CSE 1002, CSE 1400 or MTH 2051. (HOUST PASS WITH A "C" OR BETTER] MTH 1002 Calculus 2 (Prerequisite: MTH 1001) CHOOSE ONE sequence Biology, Chemistry, or Physics Biological Discovery 1 (Requirement: High School biology and chemistry.) General Chemistry 1 Physics 1 (Prerequisite: MTH 1001, MTH 1002, Co-requisite: MTH 1002) and PHY 2091 (Co-requisite: PHY 1001 or PHY 1999) [One credit maybe applied toward Restricted Science Elective] TOTAL 16 SOPHOMORE YEAR – SPRING SEMESTER CSE 2050 Programming in a Second Language (Requirement: Instructor approval or prerequisite course). Prerequisite: CSE 1502 or CSE 2120. CSE 2410 Introduction to Software Engineering (Prerequisites: CSE 2010 or ECE 2552) 3 HUM 2051 Civilization 1: Ancient Through Medieval (Prerequisite: COM 1102) 4 COMPLETE sequence Biology, Chemistry, or Physics COMPLETE sequence Biology, Chemistry, or Physics BIO 1020 General Chemistry 2 (Prerequisite: CHM 1101) Physics 2 (Prerequisite: PHY 1001) and PHY 2092 (Corequisite: PHY 2002) [One credit maybe applied toward Restricted Science Elective]	FRESHMAN		IAL	13	<u>l</u>	
CSE 1002 Fundamentals of Software Development 2 (CL) (Prerequisite: CSE 1001) 4 (MUST PASS WITH A "C" OR BETTER) CSE 2120 Computer Organization (Prerequisite: CSE 1001). [MUST PASS WITH A "C" OR BETTER) MTH 1001 Calculus 1 (Requirements: High school algebra and trigonometry, and a passing score on the placement test, or prerequisite course). Prerequisites: MTH 1000. Restricted Elective (Science) 3 SOPHOMORE YEAR – FALL SEMESTER COM 2012 Research Sources and Systems (Prerequisite: COM 1102) 1 COM 2223 Scientific and Technical Communications (Prerequisite: COM 1102) 3 CSE 2010 Algorithms and Data Structures (Prerequisite: CSE 1002, CSE 1400 or MTH 2051. 4 [MUST PASS WITH A "C" OR BETTER] MTH 1002 Calculus 2 (Prerequisite: MTH 1001) 4 CHOOSE ONE sequence Biology, Chemistry, or Physics Biological Discovery 1 (Requirement: High School biology and chemistry.) General Chemistry 1 Phy 1001 Physics 1 (Prerequisite: MTH 1001, MTH 1002. Co-requisite: MTH 1002) and PHY 2091 (Co-requisite: PHY 1001 or PHY 1999) [One credit maybe applied toward Restricted Science Elective] TOTAL 16 SOPHOMORE YEAR – SPRING SEMESTER CSE 2050 Programming in a Second Language (Requirement: Instructor approval or prerequisite course). Prerequisite: CSE 1502 or CSE 2120. CSE 2410 Introduction to Software Engineering (Prerequisites: CSE 2010 or ECE 2552) 3 HUM 2510 Logic (Prerequisite: COM 1101) 3 HUM 2510 Logic (Prerequisite: COM 1101) 3 COMPLETE sequence Biology, Chemistry, or Physics Biological Discovery 2 (Requirement: High School biology and chemistry) General Chemistry 2 (Prerequisite: CHM 1101) Physics 2 (Prerequisite: PHY 1001) and PHY 2092 (Corequisite: PHY 2002) [One credit maybe applied toward Restricted Science Elective]				3		
CSE 2120 Computer Organization (Prerequisite: CSE 1001), [MUST PASS WITH A "C" OR BETTER)						
CSE 2120 Computer Organization (Prerequisite: CSE 1001). [MUST PASS WITH A "C" OR BETTER) MTH 1001 Calculus 1 (Requirements: High school algebra and trigonometry, and a passing score on the placement test, or prerequisite course). Prerequisites: MTH 1000. Restricted Elective (Science) SOPHOMORE YEAR – FALL SEMESTER COM 2012 Research Sources and Systems (Prerequisite: COM 1102) COM 2223 Scientific and Technical Communications (Prerequisite: CSE 1002, CSE 1400 or MTH 2051. [MUST PASS WITH A "C" OR BETTER] MTH 1002 Calculus 2 (Prerequisite: MTH 1001) CHOOSE ONE sequence Biology, Chemistry, or Physics Biological Discovery 1 (Requirement: High School biology and chemistry.) General Chemistry 1 Physics 1 (Prerequisite: MTH 1001, MTH 1002, Co-requisite: MTH 1002) and PHY 2091 (Co-requisite: PHY 1001 or PHY 1999) [One credit maybe applied toward Restricted Science Elective] SOPHOMORE YEAR – SPRING SEMESTER CSE 2050 Programming in a Second Language (Requirement: Instructor approval or prerequisite course). Prerequisite: CSE 1502 or CSE 2120. CSE 2410 Introduction to Software Engineering (Prerequisites: CSE 2010 or ECE 2552) 3 HUM 2510 Civilization 1: Ancient Through Medieval (Prerequisite: COM 1102) Biological Discovery 2 (Requirement: High School biology and chemistry) General Chemistry 2 (Prerequisite: COM 1101) COMPLETE sequence Biology, Chemistry, or Physics Biological Discovery 2 (Requirement: High School biology and chemistry) General Chemistry 2 (Prerequisite: CHM 1101) Physics 2 (Prerequisite: PHY 1001) and PHY 2092 (Corequisite: PHY 2002) [One credit maybe applied toward Restricted Science Elective]	CSE 1002			4		
MTH 1001 Calculus 1 (Requirements: High school algebra and trigonometry, and a passing score on the placement test, or prerequisite course). Prerequisites: MTH 1000. Restricted Elective (Science) 3 TOTAL 17 SOPHOMORE YEAR – FALL SEMESTER COM 2012 Research Sources and Systems (Prerequisite: COM 1102) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CSE 2120	Computer Organization (Prerequisite: CSE 1001) [MIIST PASS WITH A "C" OR		3		
MTH 1001 Calculus I (Requirements: High school algebra and trigonometry, and a passing score on the placement test, or prerequisite course). Prerequisites: MTH 1000. Restricted Elective (Science) 3 TOTAL 17 SOPHOMORE YEAR – FALL SEMESTER COM 2012 Research Sources and Systems (Prerequisite: COM 1102) 1 COM 2223 Scientific and Technical Communications (Prerequisite: COM 1102) 3 CSE 2010 Algorithms and Data Structures (Prerequisite: CSE 1002, CSE 1400 or MTH 2051. 4 [MUST PASS WITH A "C" OR BETTER] 4 MTH 1002 Calculus 2 (Prerequisite: MTH 1001) 4 CHOOSE ONE sequence Biology, Chemistry, or Physics Biological Discovery 1 (Requirement: High School biology and chemistry.) General Chemistry 1 Physics 1 (Prerequisite: MTH 1001, MTH 1002. Co-requisite: MTH 1002) and PHY 2091 (Co-requisite: PHY 1001 or PHY 1999) [One credit maybe applied toward Restricted Science Elective] 7 SOPHOMORE YEAR – SPRING SEMESTER CSE 2050 Programming in a Second Language (Requirement: Instructor approval or prerequisite course). Prerequisite: CSE 1502 or CSE 2120. CSE 2410 Introduction to Software Engineering (Prerequisites: CSE 2010 or ECE 2552) 3 HUM 2510 Logic (Prerequisite: COM 1101) 3 COMPLETE sequence Biology, Chemistry, or Physics BIO 1020 General Chemistry 2 (Prerequisite: CHM 1101) Physics 2 (Prerequisite: PHY 1001) and PHY 2092 (Corequisite: PHY 2002) [One credit maybe applied toward Restricted Science Elective]	CDL 2120			3		
on the placement test, or prerequisite course). Prerequisites: MTH 1000. Restricted Elective (Science) 3 TOTAL 17 SOPHOMORE YEAR – FALL SEMESTER COM 2012 Research Sources and Systems (Prerequisite: COM 1102) 1 COM 2223 Scientific and Technical Communications (Prerequisite: COM 1102) 3 Algorithms and Data Structures (Prerequisite: CSE 1002, CSE 1400 or MTH 2051. 4 [MUST PASS WITH A "C" OR BETTER] MTH 1002 Calculus 2 (Prerequisite: MTH 1001) 4 CHOOSE ONE sequence Biology, Chemistry, or Physics 4 BIO 1010 Biological Discovery 1 (Requirement: High School biology and chemistry.) General Chemistry 1 Physics 1 (Prerequisite: MTH 1001, MTH 1002. Co-requisite: MTH 1002) and PHY 2091 (Co-requisite: PHY 1001 or PHY 1999) [One credit maybe applied toward Restricted Science Elective] SOPHOMORE YEAR – SPRING SEMESTER CSE 2050 Programming in a Second Language (Requirement: Instructor approval or prerequisite ocurse). Prerequisite: CSE 1502 or CSE 2120. CSE 2410 Introduction to Software Engineering (Prerequisites: CSE 2010 or ECE 2552) 3 HUM 2510 Logic (Prerequisite: COM 1101) 3 HUM 2510 Logic (Prerequisite: COM 1101) 3 HUM 2510 Logic (Prerequisite: COM 1101) 4 BIO 1020 General Chemistry 2 (Prerequisite: High School biology and chemistry) General Chemistry 2 (Prerequisite: PHY 1001) and PHY 2092 (Corequisite: PHY 2002) [One credit maybe applied toward Restricted Science Elective]	MTH 1001	,	re	4		
Restricted Elective (Science) 3 TOTAL 17 SOPHOMORE YEAR – FALL SEMESTER COM 2012 Research Sources and Systems (Prerequisite: COM 1102) 1 COM 2223 Scientific and Technical Communications (Prerequisite: COM 1102) 3 CSE 2010 Algorithms and Data Structures (Prerequisite: CSE 1002, CSE 1400 or MTH 2051. 4 [MUST PASS WITH A "C" OR BETTER] MTH 1002 Calculus 2 (Prerequisite: MTH 1001) 4 CHOOSE ONE sequence Biology, Chemistry, or Physics Biological Discovery 1 (Requirement: High School biology and chemistry.) General Chemistry 1 Physics 1 (Prerequisite: MTH 1001, MTH 1002, Co-requisite: MTH 1002) and PHY 2091 (Co-requisite: PHY 1001 or PHY 1999) [One credit maybe applied toward Restricted Science Elective] TOTAL 16 SOPHOMORE YEAR – SPRING SEMESTER CSE 2050 Programming in a Second Language (Requirement: Instructor approval or prerequisite course). Prerequisite: CSE 1502 or CSE 2120. CSE 2410 Introduction to Software Engineering (Prerequisites: CSE 2010 or ECE 2552) 3 HUM 2510 Logic (Prerequisite: COM 1101) 3 HUM 2510 Logic (Prerequisite: COM 1101) 3 COMPLETE sequence Biology, Chemistry, or Physics Biological Discovery 2 (Requirement: High School biology and chemistry) General Chemistry 2 (Prerequisite: CHM 1101) PHY 2002 Physics 2 (Prerequisite: PHY 1001) and PHY 2092 (Corequisite: PHY 2002) [One credit maybe applied toward Restricted Science Elective]	1411111001		10			
SOPHOMORE YEAR – FALL SEMESTER COM 2012 Research Sources and Systems (Prerequisite: COM 1102) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				3		
SOPHOMORE YEAR – FALL SEMESTER COM 2012 Research Sources and Systems (Prerequisite: COM 1102) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
COM 2012 Research Sources and Systems (Prerequisite: COM 1102) COM 2223 Scientific and Technical Communications (Prerequisite: COM 1102) 3 CSE 2010 Algorithms and Data Structures (Prerequisite: CSE 1002, CSE 1400 or MTH 2051. [MUST PASS WITH A "C" OR BETTER] MTH 1002 Calculus 2 (Prerequisite: MTH 1001) CHOOSE ONE sequence Biology, Chemistry, or Physics Biological Discovery 1 (Requirement: High School biology and chemistry.) General Chemistry 1 PHY 1001 Physics 1 (Prerequisite: MTH 1001, MTH 1002, Co-requisite: MTH 1002) and PHY 2091 (Co-requisite: PHY 1001 or PHY 1999) [One credit maybe applied toward Restricted Science Elective] TOTAL 16 SOPHOMORE YEAR – SPRING SEMESTER CSE 2050 Programming in a Second Language (Requirement: Instructor approval or prerequisite course). Prerequisite: CSE 1502 or CSE 2120. CSE 2410 Introduction to Software Engineering (Prerequisites: CSE 2010 or ECE 2552) 3 HUM 2051 Civilization 1: Ancient Through Medieval (Prerequisite: COM 1102) 3 HUM 2510 Logic (Prerequisite: COM 1101) 3 COMPLETE sequence Biology, Chemistry, or Physics BIO 1020 General Chemistry 2 (Prerequisite: CHM 1101) PHY 2002 Physics 2 (Prerequisite: PHY 1001) and PHY 2092 (Corequisite: PHY 2002) [One credit maybe applied toward Restricted Science Elective]	SOPHOMO				I	I
COM 2223 Scientific and Technical Communications (Prerequisite: COM 1102) 3 CSE 2010 Algorithms and Data Structures (Prerequisite: CSE 1002, CSE 1400 or MTH 2051. 4 [MUST PASS WITH A "C" OR BETTER] 4 MTH 1002 Calculus 2 (Prerequisite: MTH 1001) 4 BIO 1010 CHOOSE ONE sequence Biology, Chemistry, or Physics Biological Discovery 1 (Requirement: High School biology and chemistry.) General Chemistry 1 PHY 1001 Physics 1 (Prerequisite: MTH 1001, MTH 1002. Co-requisite: MTH 1002) and PHY 2091 (Co-requisite: PHY 1001 or PHY 1999) [One credit maybe applied toward Restricted Science Elective] TOTAL 16 SOPHOMORE YEAR - SPRING SEMESTER CSE 2050 Programming in a Second Language (Requirement: Instructor approval or prerequisite course). Prerequisite: CSE 1502 or CSE 2120. CSE 2410 Introduction to Software Engineering (Prerequisites: CSE 2010 or ECE 2552) 3 HUM 2051 Civilization 1: Ancient Through Medieval (Prerequisite: COM 1102) 3 HUM 2510 Logic (Prerequisite: COM 1101) 3 COMPLETE sequence Biology, Chemistry, or Physics Biological Discovery 2 (Requirement: High School biology and chemistry) CHM 1102 General Chemistry 2 (Prerequisite: CHM 1101) Physics 2 (Prerequisite: PHY 1001) and PHY 2092 (Corequisite: PHY 2002) [One credit maybe applied toward Restricted Science Elective]				1		
Algorithms and Data Structures (Prerequisite: CSE 1002, CSE 1400 or MTH 2051. [MUST PASS WITH A "C" OR BETTER] MTH 1002 Calculus 2 (Prerequisite: MTH 1001) CHOOSE ONE sequence Biology, Chemistry, or Physics Biological Discovery 1 (Requirement: High School biology and chemistry.) General Chemistry 1 PHY 1001 Physics 1 (Prerequisite: MTH 1001, MTH 1002. Co-requisite: MTH 1002) and PHY 2091 (Co-requisite: PHY 1001 or PHY 1999) [One credit maybe applied toward Restricted Science Elective] TOTAL 16 SOPHOMORE YEAR – SPRING SEMESTER CSE 2050 Programming in a Second Language (Requirement: Instructor approval or prerequisite course). Prerequisite: CSE 1502 or CSE 2120. CSE 2410 Introduction to Software Engineering (Prerequisites: CSE 2010 or ECE 2552) HUM 2051 Civilization 1: Ancient Through Medieval (Prerequisite: COM 1102) 3 HUM 2510 Logic (Prerequisite: COM 1101) COMPLETE sequence Biology, Chemistry, or Physics Biological Discovery 2 (Requirement: High School biology and chemistry) General Chemistry 2 (Prerequisite: CHM 1101) PHY 2002 Physics 2 (Prerequisite: PHY 1001) and PHY 2092 (Corequisite: PHY 2002) [One credit maybe applied toward Restricted Science Elective]						
IMUST PASS WITH A "C" OR BETTER]						
MTH 1002 Calculus 2 (Prerequisite: MTH 1001) CHOOSE ONE sequence Biology, Chemistry, or Physics Biological Discovery 1 (Requirement: High School biology and chemistry.) CHM 1101 General Chemistry 1 Physics 1 (Prerequisite: MTH 1001, MTH 1002. Co-requisite: MTH 1002) and PHY 2091 (Co-requisite: PHY 1001 or PHY 1999) [One credit maybe applied toward Restricted Science Elective] SOPHOMORE YEAR – SPRING SEMESTER CSE 2050 Programming in a Second Language (Requirement: Instructor approval or prerequisite course). Prerequisite: CSE 1502 or CSE 2120. CSE 2410 Introduction to Software Engineering (Prerequisites: CSE 2010 or ECE 2552) HUM 2051 Civilization 1: Ancient Through Medieval (Prerequisite: COM 1102) HUM 2510 Logic (Prerequisite: COM 1101) COMPLETE sequence Biology, Chemistry, or Physics Biological Discovery 2 (Requirement: High School biology and chemistry) CHM 1102 General Chemistry 2 (Prerequisite: CHM 1101) Physics 2 (Prerequisite: PHY 1001) and PHY 2092 (Corequisite: PHY 2002) [One credit maybe applied toward Restricted Science Elective]	052 2 010			-		
CHOOSE ONE sequence Biology, Chemistry, or Physics Biological Discovery 1 (Requirement: High School biology and chemistry.) General Chemistry 1 Phy 1001 Physics 1 (Prerequisite: MTH 1001, MTH 1002. Co-requisite: MTH 1002) and PHY 2091 (Co-requisite: PHY 1001 or PHY 1999) [One credit maybe applied toward Restricted Science Elective] SOPHOMORE YEAR – SPRING SEMESTER CSE 2050 Programming in a Second Language (Requirement: Instructor approval or prerequisite course). Prerequisite: CSE 1502 or CSE 2120. CSE 2410 Introduction to Software Engineering (Prerequisites: CSE 2010 or ECE 2552) HUM 2051 Civilization 1: Ancient Through Medieval (Prerequisite: COM 1102) HUM 2510 Logic (Prerequisite: COM 1101) COMPLETE sequence Biology, Chemistry, or Physics Biological Discovery 2 (Requirement: High School biology and chemistry) General Chemistry 2 (Prerequisite: CHM 1101) Physics 2 (Prerequisite: PHY 1001) and PHY 2092 (Corequisite: PHY 2002) [One credit maybe applied toward Restricted Science Elective]	MTH 1002			4		
BIO 1010 CHM 1101 PHY 1001 Biological Discovery 1 (Requirement: High School biology and chemistry.) General Chemistry 1 Physics 1 (Prerequisite: MTH 1001, MTH 1002. Co-requisite: MTH 1002) and PHY 2091 (Co-requisite: PHY 1001 or PHY 1999) [One credit maybe applied toward Restricted Science Elective] TOTAL 16 SOPHOMORE YEAR – SPRING SEMESTER CSE 2050 Programming in a Second Language (Requirement: Instructor approval or prerequisite course). Prerequisite: CSE 1502 or CSE 2120. CSE 2410 Introduction to Software Engineering (Prerequisites: CSE 2010 or ECE 2552) HUM 2051 Civilization 1: Ancient Through Medieval (Prerequisite: COM 1102) 3 HUM 2510 Logic (Prerequisite: COM 1101) COMPLETE sequence Biology, Chemistry, or Physics BIO 1020 Biological Discovery 2 (Requirement: High School biology and chemistry) CHM 1102 General Chemistry 2 (Prerequisite: CHM 1101) Physics 2 (Prerequisite: PHY 1001) and PHY 2092 (Corequisite: PHY 2002) [One credit maybe applied toward Restricted Science Elective]						
CHM 1101 General Chemistry 1 PHY 1001 Physics 1 (Prerequisite: MTH 1001, MTH 1002. Co-requisite: MTH 1002) and PHY 2091 (Co-requisite: PHY 1001 or PHY 1999) [One credit maybe applied toward Restricted Science Elective] TOTAL 16 SOPHOMORE YEAR – SPRING SEMESTER CSE 2050 Programming in a Second Language (Requirement: Instructor approval or prerequisite course). Prerequisite: CSE 1502 or CSE 2120. CSE 2410 Introduction to Software Engineering (Prerequisites: CSE 2010 or ECE 2552) 3 HUM 2051 Civilization 1: Ancient Through Medieval (Prerequisite: COM 1102) 3 HUM 2510 Logic (Prerequisite: COM 1101) 3 COMPLETE sequence Biology, Chemistry, or Physics BIO 1020 General Chemistry 2 (Requirement: High School biology and chemistry) CHM 1102 General Chemistry 2 (Prerequisite: CHM 1101) PHY 2002 Physics 2 (Prerequisite: PHY 1001) and PHY 2092 (Corequisite: PHY 2002) [One credit maybe applied toward Restricted Science Elective]	BIO 1010					
PHY 1001 Physics 1 (Prerequisite: MTH 1001, MTH 1002. Co-requisite: MTH 1002) and PHY 2091 (Co-requisite: PHY 1001 or PHY 1999) [One credit maybe applied toward Restricted Science Elective] TOTAL 16 SOPHOMORE YEAR – SPRING SEMESTER CSE 2050 Programming in a Second Language (Requirement: Instructor approval or prerequisite course). Prerequisite: CSE 1502 or CSE 2120. CSE 2410 Introduction to Software Engineering (Prerequisites: CSE 2010 or ECE 2552) 3 HUM 2051 Civilization 1: Ancient Through Medieval (Prerequisite: COM 1102) 3 HUM 2510 Logic (Prerequisite: COM 1101) 3 COMPLETE sequence Biology, Chemistry, or Physics BIO 1020 Biological Discovery 2 (Requirement: High School biology and chemistry) CHM 1102 General Chemistry 2 (Prerequisite: CHM 1101) Physics 2 (Prerequisite: PHY 1001) and PHY 2092 (Corequisite: PHY 2002) [One credit maybe applied toward Restricted Science Elective]						
[One credit maybe applied toward Restricted Science Elective] TOTAL 16 SOPHOMORE YEAR – SPRING SEMESTER CSE 2050 Programming in a Second Language (Requirement: Instructor approval or prerequisite course). Prerequisite: CSE 1502 or CSE 2120. CSE 2410 Introduction to Software Engineering (Prerequisites: CSE 2010 or ECE 2552) 3 HUM 2051 Civilization 1: Ancient Through Medieval (Prerequisite: COM 1102) 3 HUM 2510 Logic (Prerequisite: COM 1101) 3 COMPLETE sequence Biology, Chemistry, or Physics Biological Discovery 2 (Requirement: High School biology and chemistry) General Chemistry 2 (Prerequisite: CHM 1101) Physics 2 (Prerequisite: PHY 1001) and PHY 2092 (Corequisite: PHY 2002) [One credit maybe applied toward Restricted Science Elective]	PHY 1001					
SOPHOMORE YEAR – SPRING SEMESTER CSE 2050 Programming in a Second Language (Requirement: Instructor approval or prerequisite course). Prerequisite: CSE 1502 or CSE 2120. CSE 2410 Introduction to Software Engineering (Prerequisites: CSE 2010 or ECE 2552) 3 HUM 2051 Civilization 1: Ancient Through Medieval (Prerequisite: COM 1102) 3 HUM 2510 Logic (Prerequisite: COM 1101) 3 COMPLETE sequence Biology, Chemistry, or Physics BIO 1020 Biological Discovery 2 (Requirement: High School biology and chemistry) CHM 1102 Physics 2 (Prerequisite: PHY 1001) and PHY 2092 (Corequisite: PHY 2002) [One credit maybe applied toward Restricted Science Elective]		2091 (Co-requisite: PHY 1001 or PHY 1999)				
CSE 2050 Programming in a Second Language (Requirement: Instructor approval or prerequisite course). Prerequisite: CSE 1502 or CSE 2120. CSE 2410 Introduction to Software Engineering (Prerequisites: CSE 2010 or ECE 2552) HUM 2051 Civilization 1: Ancient Through Medieval (Prerequisite: COM 1102) HUM 2510 Logic (Prerequisite: COM 1101) COMPLETE sequence Biology, Chemistry, or Physics BIO 1020 Biological Discovery 2 (Requirement: High School biology and chemistry) CHM 1102 General Chemistry 2 (Prerequisite: CHM 1101) PHY 2002 Physics 2 (Prerequisite: PHY 1001) and PHY 2092 (Corequisite: PHY 2002) [One credit maybe applied toward Restricted Science Elective]		[One credit maybe applied toward Restricted Science Elective]				
CSE 2050 Programming in a Second Language (Requirement: Instructor approval or prerequisite course). Prerequisite: CSE 1502 or CSE 2120. CSE 2410 Introduction to Software Engineering (Prerequisites: CSE 2010 or ECE 2552) HUM 2051 Civilization 1: Ancient Through Medieval (Prerequisite: COM 1102) HUM 2510 Logic (Prerequisite: COM 1101) COMPLETE sequence Biology, Chemistry, or Physics Biological Discovery 2 (Requirement: High School biology and chemistry) CHM 1102 General Chemistry 2 (Prerequisite: CHM 1101) Physics 2 (Prerequisite: PHY 1001) and PHY 2092 (Corequisite: PHY 2002) [One credit maybe applied toward Restricted Science Elective]			ΓAL	16		
course). Prerequisite: CSE 1502 or CSE 2120. CSE 2410 Introduction to Software Engineering (Prerequisites: CSE 2010 or ECE 2552) 3 HUM 2051 Civilization 1: Ancient Through Medieval (Prerequisite: COM 1102) 3 HUM 2510 Logic (Prerequisite: COM 1101) 3 COMPLETE sequence Biology, Chemistry, or Physics BIO 1020 Biological Discovery 2 (Requirement: High School biology and chemistry) CHM 1102 General Chemistry 2 (Prerequisite: CHM 1101) PHY 2002 Physics 2 (Prerequisite: PHY 1001) and PHY 2092 (Corequisite: PHY 2002) [One credit maybe applied toward Restricted Science Elective]						
CSE 2410 Introduction to Software Engineering (Prerequisites: CSE 2010 or ECE 2552) HUM 2051 Civilization 1: Ancient Through Medieval (Prerequisite: COM 1102) 3 HUM 2510 Logic (Prerequisite: COM 1101) COMPLETE sequence Biology, Chemistry, or Physics BIO 1020 Biological Discovery 2 (Requirement: High School biology and chemistry) CHM 1102 General Chemistry 2 (Prerequisite: CHM 1101) PHY 2002 Physics 2 (Prerequisite: PHY 1001) and PHY 2092 (Corequisite: PHY 2002) [One credit maybe applied toward Restricted Science Elective]	CSE 2050		ite	3		
HUM 2051 Civilization 1: Ancient Through Medieval (Prerequisite: COM 1102) HUM 2510 Logic (Prerequisite: COM 1101) COMPLETE sequence Biology, Chemistry, or Physics BIO 1020 Biological Discovery 2 (Requirement: High School biology and chemistry) CHM 1102 General Chemistry 2 (Prerequisite: CHM 1101) PHY 2002 Physics 2 (Prerequisite: PHY 1001) and PHY 2092 (Corequisite: PHY 2002) [One credit maybe applied toward Restricted Science Elective]		, 1				
HUM 2510 Logic (Prerequisite: COM 1101) COMPLETE sequence Biology, Chemistry, or Physics BIO 1020 Biological Discovery 2 (Requirement: High School biology and chemistry) CHM 1102 General Chemistry 2 (Prerequisite: CHM 1101) PHY 2002 Physics 2 (Prerequisite: PHY 1001) and PHY 2092 (Corequisite: PHY 2002) [One credit maybe applied toward Restricted Science Elective]						
BIO 1020 CHM 1102 CHM 1102 PHY 2002 Biological Discovery 2 (Requirement: High School biology and chemistry) Physics 2 (Prerequisite: PHY 1001) and PHY 2092 (Corequisite: PHY 2002) [One credit maybe applied toward Restricted Science Elective]						
BIO 1020 CHM 1102 PHY 2002 Biological Discovery 2 (Requirement: High School biology and chemistry) General Chemistry 2 (Prerequisite: CHM 1101) Physics 2 (Prerequisite: PHY 1001) and PHY 2092 (Corequisite: PHY 2002) [One credit maybe applied toward Restricted Science Elective]	HUM 2510					
CHM 1102 PHY 2002 PHY 2002 General Chemistry 2 (Prerequisite: CHM 1101) Physics 2 (Prerequisite: PHY 1001) and PHY 2092 (Corequisite: PHY 2002) [One credit maybe applied toward Restricted Science Elective]				4		
PHY 2002 Physics 2 (Prerequisite: PHY 1001) and PHY 2092 (Corequisite: PHY 2002) [One credit maybe applied toward Restricted Science Elective]						
credit maybe applied toward Restricted Science Elective]						
	PHY 2002					
TOTAL 16		credit maybe applied toward Restricted Science Elective]				
TOTAL 16		TO	ΓAL	16		

JUNIOR YI	EAR – FALL SEMESTER			
CSE 2400	Applied Statistics (Prerequisite: MTH 1002)		3	
CSE 3030	Legal, Ethical & Social Issues in Computing (Prerequisites: COM2012, COM 2223 or		3	
	COM 2224, CSE 1002 or CSE 1502 or CSE 1503 or EECE 2551)			
CSE 3120	Computer Architecture (Prerequisite: CSE 2050, CSE 2120)			
CSE 4250	Programming Language Concepts (Prerequisite: CSE		3	
	Humanities Core Course (Prerequisite: COM 1102)		3	
	TOTAL			
JUNIOR YE	EAR – SPRING SEMESTER			
CSE 4001	Operating Systems Concepts (Prerequisites: CSE 2010, CSE 2050 or ECE 2552, ECE 3551)		3	
CSE 4083	Formal Languages and Automata Theory (Prerequisites: CSE 2010 or ECE 2552. ECE 3541)		3	
	Free Elective			
	Liberal Arts Elective		3	
	Restricted Elective (Mathematics)		3	
	Restricted Elective (Science)		3	
	TOTAL		18	
SENIOR YE	EAR – FALL SEMESTER		•	1
CSE 4081	Introduction to Analysis of Algorithms (Prerequisites: CSE 2010 or ECE 2552. ECE 3541))		3	
CSE 4101	Computer Science Projects 1 (Prerequisite: CSE 2010 and Senior standing in Computer Science option)		3	
	Restricted Elective (Computer Science)		3	
	Restricted Elective (Mathematics or Science)		3	
	Technical Elective or Business (3XXX) Elective			
		TOTAL	15	
SENIOR YE	EAR – SPRING SEMESTER			
CSE 4102	Computer Science Projects 2 (Prerequisite: CSE 4101and Senior standing in Computer Science)		3	
	Humanities Elective Restricted Elective (Computer Science)		3	
			3	
	Restricted Elective (Computer Science)		3	
	Technical Elective or Business (3XXX) Elective		3	
		TOTAL	15	
		TOTAL CREDITS REQUIRED	127	
	TRANSFER CREDITS AN	D OTHER COURSES		
Advisor	De	Department Head		
Date	Date			