

**Bachelor of Science in Computer Science  
Computer Engineering Track  
BS Computer Science: Track CE  
BS.CSC.CET  
Catalog Year 2013**

**MINIMUM GRADES: All Computer Science, Mathematics, Engineering, Science and English courses have a minimum grade of C.**

**This Curriculum Guide is official but only suggests a semester-sequential plan. Courses may be taken in any order as long as the prerequisites and other requirements are met.**

Course Number	Substitute / Course Choice	√	First Academic Year		
			Course	Credits	Prerequisite
IUL 101			Introduction to University Life	3	
CSC 101			Introduction to the Comp Sci Profession	1	
CSC 170/170L			Computer Programming I and Lab	4	MTH 105
MTH 153			College Algebra and Trigonometry	3	
ENG 101			Communications Skills I	3	
PED 100			Fundamental of Fitness for Life	1	
CSC 260/260L			Computer Programming II and Lab	4	CSC 170
CSC 268			Computer Organization	3	CSC 170
MTH 184			Calculus I	4	MTH 153
HED 100			Personal and Community Health	2	
ENG 102			Communication Skills II	3	ENG 101
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Course Number	Substitute / Course Choice	√	Second Academic Year		
			Course	Credits	Prerequisite
ENG 299			Examin. of Writing Competency	0	
CSC 372			Data Structures	3	CSC 260
PHY 160/160L			University Physics I and Laboratory	5	(co) MTH 184
MTH 251			Calculus II	4	MTH 184
→			Social Science <sup>1</sup>	3	
PHY 161/161L			University Physics II and Laboratory	5	PHY 160/160L
MTH 252			Calculus III	4	MTH 251
CSC 295			Java Application Programming	3	CSC 260
SCM 285			Principles of Speech	3	ENG 102
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<sup>1</sup> HIS 101; HIS 103; BUS 175; ECN 200; SOC 101

Course Number	Substitute / Course Choice	√	Third Academic Year		
			Course	Credits	Prerequisite
EEN 201/201L			Elect Network Theory & Lab	4	PHY 161
MTH 351			Probability and Statistics I	3	MTH 251
MTH 371			Discrete Mathematical Structures	4	MTH 184
CSC 292			UNIX and C Programming	3	CSC 260
CSC 361			Survey of Programming Languages	3	CSC 260
MTH 372			Differential Equations	3	MTH 251
EEN 231			Digital Electronics Logic Design	3	EEN 201
CSC 380			Software Engineering	3	CSC 260
ENG 303			Technical Writing	3	ENG 102
EEN 203			Electronic Principles	3	

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Course Number	Substitute / Course Choice	√	Fourth Academic Year		
			Course	Credits	Prerequisite
EEN 331/331L			Microrocessors and Laboratory	4	
→			Laboratory Science <sup>2</sup>	4	
→			Humanities <sup>3</sup>	3	
CSC 468			Computer Architecture	3	CSC 268
CSC 498			Senior Seminar I	1	CSC 380
→			Social Science Cultural Electives <sup>4</sup>	3	
→			Humanities Cultural Elective <sup>5</sup>	3	
→			Computer Science Elective 300 level or above	3	
CSC 430			Data Communication	3	CSC 372
CSC 464			Operating Systems	3	CSC 372
CSC 499			Senior Seminar II	2	CSC 498

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2 CHM 221/221L or BIO 110/110L

3 ENG 207, FIA 201; MUS 301

4 HIS 335; HIS 336; HIS 371; HRP 320

5 ENG 383; FIA 370; MUS 234

**125 Credits Total**