

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

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
APS 110			Applied Science Seminar	0	
IUL 101			Introduction to University Life	3	
CSC 101			Introduction to the Comp Sci Profession	1	
CSC 170A/170L			Computer Programming I and Lab	4	
MTH 184H			Calculus I	4	
PHY 160A/160L			University Physics I and Lab	5	
APS 111			Applied Science Seminar	0	
CSC 260/260L			Computer Programming II and Lab	4	CSC 170A
MTH 251H			Calculus II	4	MTH 184H
→			Social Science Elective ¹	3	
PHY 161A/161L			University Physics II and Lab	5	

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Course Number	Substitute / Course Choice	√	Second Academic Year		
			Course	Credits	Prerequisite
ENG 299			Examin. of Writing Competency	0	
APS 210			Applied Science Seminar	0	
CSC 268			Computer Organization	3	CSC 170
MTH 252H			Calculus III	4	MTH 251H
ENG 101H			Communications Skills I	3	
CHM 221/221L			General Chemistry I and Lab	4	
APS 211			Applied Science Seminar	0	
CSC 295			Java Application Programming	3	CSC 260
MTH 371			Discrete Mathematical Structures	4	MTH 184
ENG 102H			Communication Skills II	3	ENG 101H
CHM 222/222L			General Chemistry II and Lab	4	CHM 221

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¹ HIS 101; HIS 103; BUS 175; ECN 200; SOC 101

Course Number	Substitute / Course Choice	√	Third Academic Year		
			Course	Credits	Prerequisite
APS 310			Applied Science Seminar	0	
CSC 292			UNIX and C Programming	3	CSC 260
CSC 361			Survey of Programming Languages	3	CSC 260
EEN 201/201L			Elect Network Theory and Lab	4	
MTH 351			Probability and Statistics I	3	MTH 251
SCM 285H			Principles of Speech	3	ENG 102
APS 311			Applied Science Seminar	0	
EEN 203			Electronic Principles	3	
CSC 372			Data Structures	3	CSC 260
CSC 380			Software Engineering	3	CSC 260
MTH 372			Differential Equations	3	MTH 251
HED 100			Personal and Community Health	2	
PED 100			Fundamental of Fitness for Life	1	

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Course Number	Substitute / Course Choice	√	Fourth Academic Year		
			Course	Credit	Prerequisites
APS 410			Applied Science Seminar	0	
CSC 430			Data Communication	3	CSC 372
CSC 464			Operating Systems	3	CSC 372
CSC 498			Senior Seminar I	1	
EEN 331/331L			Microprocessors and Laboratory	4	
→			Humanities Cultural Elective ²	3	
ENG 303			Technical Writing	3	ENG 102
APS 411			Applied Science Seminar	0	
EEN 231			Digital Electronics Logic Design	3	EEN 201
CSC 468			Computer Architecture	3	CSC 268
CSC 499			Senior Seminar II	2	CSC 498
→			Foreign Language Elective	3	
→			Social Science Cultural Elective ³	3	
→			Computer Science Elective 300 level or above	3	

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2 ENG 383; MUS 234;

3 HIS 335; HIS 336; HIS 371; HRP 320

126 Credits Total