

## Bachelor of Science in Information Technology BS.ITE Catalog Year 2013

**MINIMUM GRADES:** All Information Technology, Computer Science, Mathematics, CIT, IMT, 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 Term		
			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	
ITE 111			Information Technology Principles	3	
CSC 260/260L			Computer Programming II and Lab	4	CSC 170
MTH 184			Calculus I	4	MTH 153
ENG 102			Communication Skills II	3	ENG 101
HED 100			Personal and Community Health	2	

**31**

Course Number	Substitute / Course Choice	√	Second Academic Term		
			Course	Credits	Prerequisite
ENG 299			Examine. of Writing Competency	0	
→			First Course Laboratory Science <sup>1</sup>	4	
ITE 195			Introduction to Internet Programming	3	CSC 170
ITE 211			Information Technology Operating Systems	3	
MTH 371			Discrete Mathematical Structures	4	MTH 184
→			Second Course Laboratory Science <sup>1</sup>	4	
CSC 268			Computer Organization	3	CSC 170
ITE 311			Fundamentals of Networking	3	ITE 111
CSC 360			User Interface Design	3	CSC 260
MAJOR ELECTIVE			See Endnote	3	

**30**

1 PHY 152/152L (prerequisite MTH 153) or CHM 221/221L (prerequisite MTH 153) or BIO 110/110L  
2 Second Course and Lab of Science Sequence: PHY 153/153L, CHM 222/222L, BIO 111/111L; must be a continuation of course in footnote 2.

Course Number	Substitute / Course Choice	√	Third Academic Term		
			Course	Credits	Prerequisite
CSC 380			Software Engineering	3	CSC 260
CSC 420			Database Principles and Design	3	CSC 260
MAJOR ELECTIVE			See Endnote	3	
MTH 250			Elementary Statistics	3	
SCM 285			Principles of Speech	3	ENG 102
CSC 435			Computer Security I	3	CSC 260
MAJOR ELECTIVE			See Endnote	3	
IMT 244			Industrial Specifications and Tech. Document.	3	
→			Social Science Elective <sup>3</sup>	3	
→			Humanities Elective <sup>4</sup>	3	

30

Course Number	Substitute / Course Choice	√	Fourth Academic Term		
			Course	Credits	Prerequisite
CSC 498			Senior Seminar I	1	
→			Computer Science Elective 300 level or above	3	
MAJOR ELECTIVE			See Endnote	3	
->			Free Elective	2	
→			Social Science Cultural Elective <sup>5</sup>	3	
→			Humanities Cultural Elective <sup>6</sup>	3	
CSC 499			Senior Seminar II	2	CSC 498
MAJOR ELECTIVE			See Endnote	3	
IMT 413			Project Management	3	
IMT 303			Internship in Technology	3	
→			Free Elective	3	

29

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

4 ENG 207, FIA 201; MUS 301

5 HIS 335; HIS 336; HIS 371; HRP 320

6 ENG 383; MUS 234

### 120 Credits Total

#### MAJOR Electives 15 credits

FIA 260 Introduction to Graphics Design

CSC 292 UNIX and C Programming

CSC 313 Network Administration

CSC 411 Web Server Administration

CSC 432 Wireless Data Networking

CIT 336L Computer Network Tech I Lab (1 cr)

MIS 410 Systems Analysis and Design

CSC 312 Topics in Information Technology

CSC 314 Advanced Internet Programming

CSC 422 Database implementation

CSC 445 Computer Network Defense

CIT 436/436L Comp Network Tech II & Lab (4 cr)