



University of the Incarnate Word
SCHOOL OF MATHEMATICS, SCIENCE AND ENGINEERING
 Unofficial Degree Plan

Degree: **Bachelor of Science**Major: **Computer Information Systems**
Concentration: **Programming**

Name: _____ Student ID: _____ Date: _____

Advisor: _____ Evaluator: _____ Catalog: _____

Bachelor's degree institutional requirements: A minimum of 120 hours required for graduation to include: 45 hours of residency, 36 advanced hours (junior/community college courses will not satisfy), 36 of the last 45 hours must be from UIW, and 45 clock hours community service.

University Core Curriculum	Credit Hours	Earned	Grade	Program Curriculum	Credit Hours	Earned	Grade
				Program Core			
ENGL 1311 Composition I	3			CIS 1100 Orientation	1		
ENGL 1312 Composition II	3			CIS 1301 Computer Information Systems	3		
				CIS 23XX Scripting Languages	3		
DWHP 1200 (3200 Transfer)	2			CIS 2328 Hardware & Systems Software	3		
Physical Education Activity Course	1			CIS 2330 Programming Languages I	3		
				CIS 2335 Computer Networks	3		
3 hrs from RELS 1305, 1315, 1325, 1335	3			CIS 2340 Intro to Operating Systems	3		
PHIL 1381 Introduction to Philosophy	3			CIS 2350 UNIX/Linux Operating Systems	3		
PHIL 3312 Logic	3			CIS 2368 Website Development I	3		
				CIS 33XX Computer Systems Security	3		
ENGL 2310 World Literature Studies	3			CIS 3310 Database Management Systems	3		
3 hrs Fine Arts	3			CIS 3319 Internship in CIS	3		
				CIS 3362 Systems Analysis & Design	3		
MATH 1304 or 1306 or higher	3			CIS 3367 Networks & Telecommunication	3		
4 hrs. Natural Science	4			CIS 4190 Seminar in CIS	1		
				CIS 4390 Capstone in CIS	3		
				Program Concentration			
3 hrs HIST 1311, 1312, 1321, 1322	3			CIS 3330 Programming II	3		
3 hrs Social Science	3			CIS 3360 Computer Science	3		
				CIS 3365 Website Development II	3		
	3			CIS 4330 Programming III	3		
	3			CIS 4375 Website Development III	3		
Community Service Requirement	[45]			1 st CIS Specialization Course	3		
				2 nd CIS Specialization Course	3		
TOTAL UNIVERSITY CORE CURRICULUM HOURS	43			General Electives			
				Any 3000+	3		
					3		
					3		
					3		

Grade of C or better required in ENGL 1311, 1312 and all courses for the major/minor/concentration/specialization.

Specialization Course Options		Credit Hours
CIS 3325	Linux Networking	3
CIS 3335	Cryptography	3
CIS 3345	Digital Forensics	3
CIS 3380	Emerging Technology	3
CIS 4355	Cloud Computing	3
CIS 4370	Network Penetration Testing	3
CIS 4380	Virtual Environments	3

University Core	43
Program Core	44
Program Concentration	21
General Electives	12

Total 120 Credits