



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

Degree: **Bachelor of Science**

Major: **Computer Information Systems**  
 Concentration: **Computer Networking**

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
ENGL 1311 Composition I	3		
ENGL 1312 Composition II	3		
DWHP 1200 (3200 Transfer)	2		
Physical Education Activity Course	1		
3 hrs from RELS 1305, 1315, 1325, 1335	3		
PHIL 1381 Introduction to Philosophy	3		
3 hrs Advanced Religion/Philosophy	3		
ENGL 2310 World Literature Studies	3		
3 hrs Fine Arts	3		
MATH 1304 or 1306 or higher	3		
4 hrs. Natural Science	4		
3 hrs HIST 1311, 1312, 1321, 1322	3		
3 hrs Social Science	3		
	3		
	3		
Community Service Requirement	[45]		
<b>TOTAL UNIVERSITY CORE CURRICULUM HOURS</b>	<b>43</b>		

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

Program Curriculum	Credit Hours	Earned	Grade
<b>Program Core</b>			
CIS 1100 Orientation	1		
CIS 1301 Computer Information Systems	3		
CIS 23XX Scripting Languages	3		
CIS 2328 Hardware & Systems Software	3		
CIS 2330 Programming Languages I	3		
CIS 2335 Computer Networks	3		
CIS 2340 Intro to Operating Systems	3		
CIS 2350 UNIX/Linux Operating Systems	3		
CIS 2368 Website Development I	3		
CIS 33XX Computer Systems Security	3		
CIS 3310 Database Management Systems	3		
CIS 3319 Internship in CIS	3		
CIS 3362 Systems Analysis & Design	3		
CIS 3367 Networks & Telecommunications	3		
CIS 4190 Seminar in CIS	1		
CIS 4390 Capstone in CIS	3		
<b>Program Concentration</b>			
CIS 3325 Linux Networking	3		
CIS 3340 Client-Server Networks	3		
CIS 33XX Intrusion Detection Systems	3		
CIS 4355 Cloud Computing	3		
1 <sup>st</sup> CIS Specialization Course	3		
2 <sup>nd</sup> CIS Specialization Course	3		
<b>General Electives</b>			
Any 3000+	3		
	3		
	3		
	3		
	3		

Specialization Course Options	Credit Hours
CIS 3330 Programming II	3
CIS 3335 Website Development II	3
CIS 3365 Cryptography	3
CIS 3345 Digital Forensics	3
CIS 4370 Network Penetration Testing	3
CIS 3380 Emerging Technology	3
CIS 4380 Virtual Environments	3

<b>University Core</b>	43
<b>Program Core</b>	44
<b>Program Concentration</b>	18
<b>Electives</b>	15
<b>Total</b>	<b>120 Credits</b>