

## Skill Sets - Bachelor of Science in Computing Science

<b>Communication Skills:</b>	<b>WT 1</b>	<b>WT 2/3/4</b>	<b>GRAD</b>
End-user Support	•	•	•
Team Work	•	•	•
Documentation - program, system and user	•	•	•
Business Writing	•	•	•

<b>Hardware:</b>			
Networking Hardware	•	•	•
Computer Architecture - PC	•	•	•

<b>Operating Systems:</b>			
Windows 95 and NT	•	•	•
UNIX / LINUX		•	•

<b>Programming Skills:</b>			
Object Oriented Design and Programming	•	•	•
User Interface Design	•	•	•
Software Testing		•	•

<b>Programming Languages:</b>			
C/C++, Visual C++	•	•	•
Java	•	•	•

Scripting Languages	•	•	•
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**Software Engineering:**

Analysis of Systems	•	•	•
Data Gathering Techniques	•	•	
Determining User Requirements	•	•	•
Documentation	•	•	•
Hardware & Software Evaluation	•	•	•
Use of Systems Life Cycle Methodology		•	•
Prototyping		•	•
Structured Design	•	•	•
Software Re-use & Re-engineering		•	•
Design & Implementation of a Live Project		•	•

**Business Related Skills:**

Statistics	•	•	•
Business and Management Principles		•	•
Project Management		•	•

**Database Design, Implementation & Administration:**

E-Commerce Systems		•	•
Database Management Systems (SQL, Oracle 8 Server and Personal Oracle 7, SQL *Plus, MS Access 97, VBA, PowerDesigner CASE tool)		•	•
Database Management II (MS Access 97, Oracle 8 database, Personal Oracle 7, Developer/2000, PL/SQL, Designer/2000)		•	•

**Computer Network Design, Implementation & Administration:**

LAN Design		•	•
LAN Implementation			
LAN Administration	•	•	•
Web Site Design	•	•	•
Web Site Security		•	•
Web Site Administration	•	•	•
Intranet - Design & Implementation		•	•
Development of Internet Applications	•	•	•
Design of Multimedia Applications		•	•

**Applied Mathematics:**

Computational and Numerical Methods		•	•
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