

Skill Sets - Bachelor of Computing Science

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

Hardware:			
Networking Hardware	•	•	•
Computer Architecture - PC	•	•	•

Operating Systems:			
Windows 95/98, NT and XP	•	•	•
UNIX / LINUX	•	•	•

Programming Skills:			
Object Oriented Design and Programming	•	•	•
User Interface Design	•	•	•
Software Testing		•	•

Programming Languages:			
C/C++, Visual C++	•	•	•
Java	•	•	•
Scripting Languages	•	•	•

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

The Bachelor of Computing Science is a 2+2 degree program. It takes approximately 2 years of study or related IT work experience to gain admittance, and then a further 2 years of study to complete the program.