

## *COMPUTER ENGINEERING COURSE EQUIVALENTS* 1998 Edition

University of	Alberta	University of	f Calgary
<b>98-Comp-Al</b> EE 340 &	Electronics Electronics: Active Devices	ENEL 463	Electronic Devices and Circuits
EE 350 &	Electronics: Analog Circuits	& ENEL 465	Analog Integrated Electronics
EE 570	Large Signal and Pulse Circuits	& ENEL 565	Digital Integrated Electronics
<b>98-Comp-A2</b> EE 280 & EE 380 & EE 480	Digital Systems Design Introduction to Digital Electronics Introduction to Microprocessors Advanced Digital Logic Design	ENEL 353 & ENEL 453	Digital Circuit Design Digital Systems Design
<b>98-Comp-A3</b> EE 380	<b>Computer Architecture</b> Introduction to Microprocessors	ENEL 515	Processor Architecture
<b>98-Comp-A4</b> CMPUT 201	<b>Program Design and Data Stru</b> Practical Programming Methodology	Computing for Engineers II	
& CMPUT 204	Algorithms I	& ENEL 495	Data Structuresfor Engineers
<b>98-Comp-A5</b> CMPUT 379	<b>Operating Systems</b> Operating System Concepts I	ENEL 597	Operating Systems for Engineers
<b>98-Comp-A6</b> CMPE 313	Software Engineering Software Engineering	ENEL 553	Engineering Software Engineering

University of Alberta

University of Calgary

<b>98-Comp-B1</b> CMPE 382	Advanced Computer Architect Computer Organization and Architectures	ture	No Course Equivalent
<b>98-Comp-B2</b> EE 653	Principles of VLSI Integrated Circuit Design	ENEL 567	CMOS VLSI Engineering
<b>98-Comp-B3</b> CMPUT 291 & CMPUT 391	Data Bases and File Systems Introduction to File and Database Management Database Management Systems	CPSC 461 & CPSC 471	File Processing Data Base Management Systems
<b>98-Comp-B4</b> CMPUT 301 & CMPUT 431	<b>Computer Graphics</b> User Interfaces and Software Design Introduction to Computer Graphics	ENEL 555	Visualization Methods for Engineers
<b>98-Comp-B5</b> CMPUT 313	<b>Computer Communications</b> Telecommunications and Computers	CPSC 441	Computer Communications
<b>98-Comp-B6</b> EE 462 & EE 565	Control Systems for Comp. Eng. Introduction to Robotics	<b>cs</b> ENEL 541 & ENMF 505	Control Systems II Robotics
<b>98-Comp-B7</b> EE 438 & EE 539	<b>Digital Signal Processing</b> Introduction to Signal Theory and Processing Digital Filter Design and Implementation	ENEL 593	Digital Filters
98-Comp-B8	<b>Computer Integrated Manufac</b> No Course Equivalent	turing ENMF 415 & ENMF 509	Integrated Manufacturing Systems I Integrated Manufacturing Systems II

University of Alberta		University of Calgary			
98-Comp-B9 Artificial Intelligence and Expert Systems					
CMPUT 366	Artificial Intelligence Applications	CPSC 533	Artificial Intelligence		
98-Comp-B1	0 Distributed Systems				
	No Course Equivalent		No Course Equivalent		
98-Comp-B1	1 Advanced Software Design				
CMPE 313 &	Software Eng.	CPSC 550	System Software Design and Development		
CMPUT 560	Software Eng.		Development		

## **Revised April 2005**