

BASIC STUDIES COURSE EQUIVALENTS 2004 EDITION

	University of Alberta		University of Calgary
20-PRELIM-1 MATH 100	Calculus Calculus I	MATH 275	Calculus for Engineers & Scientists
& MATH 101	Calculus II	& MATH 277	Multivariable Calculus for Engineers and Scientists
20-PRELIM-2 ENCMP 100	<b>Computing</b> Computer Programming for Engineers	ENDG 233	Computing for Engineers
<b>20-PRELIM-3</b> EN PH 131	Physics Mechanics	PHYS 259	Electricity & Magnetism
& PHYS 130	Wave Motion, Optics and Sound	& PHYS 365	Acoustics, Optics and Modern Physics
20-PRELIM-4 CHEM 103	Chemistry Introductory University Chemistry I	CHEM 209	General Chemistry for Engineers
<b>04-BS-1</b> MATH 102	Mathematics Applied Linear Algebra	MATH 211	Linear Methods I
& MATH 201	Differential Equations	& MATH 375	Differential Equations for Engineers and Scientists
<b>04-BS-2</b> STAT 141 OR	Probability & Statistics Introduction to Statistics	ENGG 319 OR	Probability and Statistics for Engineers
STAT 151	Introduction to Applied Statistics	STATS 327	Statistics for the Physical and Environmental Sciences
<b>04-BS-3</b> ENGG 130 &	Statics and Dynamics Engineering Mechanics	ENGG 202	Engineering Statics
MEC E 250	Engineering Mechanics II	ENGG 349	Dynamics
<b>04-BS-4</b> ECE 209	Electric Circuits and Power Fundamentals of Electrical Engineering	ENGG 225	Fundamentals of Electrical Circuits and Machines
<b>04-BS-5</b> MATH 209 &	Advanced Mathematics Calculus III	ENGG 407	Numerical Methods in Engineering
CMPUT 340	Introduction to Numerical Methods		
<b>04-BS-6</b> CIV E 270	Mechanics of Materials Mechanics of Deformable Bodies	ENGG 317	Mechanics of Solids
<b>04-BS-7</b> CIV E 330 OR	Mechanics of Fluids Introduction to Fluid Mechanics	ENCH 331 OR	Process Fluid Dyamics
CH E 312	Fluid Mechanics	ENME 341	Fundamentals of Fluid Mechanics
<b>04-BS-8</b> ECE 210	Digital Logic Circuits Introduction to Digital Logic Design	ENEL 353	Digital Circuits
<b>04-BS-9</b> ECE 370	Basic Electromagnetics Engineering Electromagnetics I	ENEL 475	Electromagnetic Fields and Applications
<b>04-BS-10</b> CH E 243	Thermodynamics Engineering Thermodynamics	ENGG 311	Engineering Thermodynamics
<b>04-BS-11</b> MAT E 202	Properties of Materials Material Science II	ENCI 413 OR ENME 421	Introduction to Civil Engineering Materials  Materials I
<b>04-BS-12</b> CHEM 261	Organic Chemistry Organic Chemistry	CHEM 357	Industrial Organic Chemistry for Engineers
<b>04-BS-13</b> BIOL 108	Biology Organisms in Their Environment	BIOL 205	The Organixation and Diversity of Life
<b>04-BS-14</b> EAS 210	<b>Geology</b> Engineering Earth Science	GLGY 376	Geology, Engineering & the Environment
		OR GLGY 377	Petroleum Engineering Geology
<b>04-BS-15</b> CIV E 265 OR	Engineering Graphics Engineering Drawing and Computer Graphics	ENME 339	Engineering Graphics and CAD
MEC E 265	Engineering Graphics and CAD		
04-BS-16	Discrete Mathematics No Course Equivalent	MATH 271	Discrete Mathematics

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