

Courses Transferrable from U of Winnipeg to U of Manitoba Engineering Program

University of Winnipeg Course		Year	Civil	Mech	Elec	Comp	Bio sys	University of Manitoba Equivalent	
Course Code	Course Name							Course Code	Course Name
YEAR 1									
CHEM 1101	Introductory Chemistry OR CHEM 1111	Year 1	3	3	3	3	3	CHEM1300	University Chemistry 1
ACS 2102 or PHYS 2102	Scientific Computing I	Year	1	3	3	3	3	COMP 1012	Comp Prog Sci & Eng
ENGL 1003	Intro Topics in Literature	Year 1	3	3	3	3	3	ENGL 1400	Thematic Approaches
MATH 1101 or MATH1103	Intro Calculus	Year 1	3	3	3	3	3	MATH 1510	Applied Calculus 1
MATH 1101 or MATH 1104	Intro Calculus	Year 1	3	3	3	3	3	MATH 1710	Applied Calculus 2
	CSE #1 – any year 1 Arts or Mgmt	Year 1	3	3	3	3	3		See list on 2 nd page for possible courses
PHYS 2110	Statics	Year 1	3	3	3	3	3	ENG 1440	Intro to Statics
PHYS 1101	Foundations of Physics 1	Year 1	3	3	3	3	3	PHYS 1050 and PHYS 1070	Physics – Mechanics Waves & Modern Physics * Free Elective**
YEAR 2									
	CSE #2 – any Year 1 Arts or Mgmt		3	3	3	3	3		See list for possible courses**
	Free Elective #1						3		Free Elective – can be any course of interest that has a UM equivalency**
GEOG 2216	Physical Geology		3					GEOL 1340	Dynamic Earth
CHEM 1101	Introductory Chemistry OR CHEM 1112	Year 2	3	3	3*	3*	3	CHEM 1310	University Chemistry 2 *Natural Science Elective
STAT 1201	Intro to Stat Analysis	Year 2	3	3	3	3	3	STAT 1000 STAT 2000	Basic Statistics 1 & 2
	CSE #3 – any Year 2 Arts or Mgmt						3		See list for possible courses
BIOL 2902	Biology Prokaryotes & Viruses	Year 2					3	MBIO1010	Microbiology 1
BIOL 1112	Human Anatomy and Physiology	Year 2 Year 2					3 3	BIOL 1410 BIOL 1412	Anatomy of Human Body Physiology of the Human Body
	Natural Science Elective						3		Natural Science Elective – see list for selection of courses
ACS 1904	Programming 2	Year 2					3	COMP 1020	Computer Science 2
ACS 2947	Data Structures & Algorithms	Year 2			3*	3		COMP 2140	Data Struct & Algorithms * Tech Elective for EE
YEAR 3									
	Free Elective #2						3		Free Elective – can be any course of interest that has a UM equivalency**
ACS 2814 or ACS 3902	Database Systems						3	COMP 3380	Database Computer Tech Elect
	Total No. of Courses Transferred		12	12	12	15	17		
	Total Number of Credit Hours Transferred		36	36	36	45	51		
	Approx. total Number of Credit Hours in Program (min.)		164	157-159	159-160	157-161	152-154		

Special Note: Each student transferring must have CEAB/AU calculations completed to ensure compliance.

**If you are planning to do a specialization within Biosystems there are particular courses you want to complete. Contact us for details.

Complimentary Studies Elective possibilities:

University of Winnipeg		University of Manitoba Equivalent		
Course	Credit Hrs.	Course	Credit Hrs.	Comments
BUS 1201 Intro To Business I	3	GMGT 1010 Business And Society	3	Last assessed Winter 2014
BUS 2103 Organizational Behaviour	3	GMGT 2070 Intro Org Beh	3	Last assessed Fall 2013
BUS 2002 Intro To Financial Accounting	3	ACC 1100 Intro Fin Acctg	3	Last assessed Winter 2011
BUS 2003 Managerial Acctg	3	ACC 1110 Managerial Acct	3	Last assessed Fall 2013
ANTH 1001 Introductory Anthropology	6	ANTH 1210 Orig&Ant of Man	3	Last assessed Fall 2011 ANTH 1001 IS EQUIVALENT TO ANTH 1210 & 1220.
ECON 1102 Intro To Economics: Micro	3	ECON 1010 Intro Microeconomics	3	Last assessed Fall 2011
ECON 1103 Intro To Economics: Macro	3	ECON 1020 Intro Macroeconomics	3	Last assessed Fall 2011
ECON 1104 Intro To Economic Theory	3	ECON 1210 Intro Can Econ	3	Last assessed Fall 2011
ENGL 1000 English 1a	3	ENGL 1400 Thematic Approaches	3	Last assessed Fall 2014
ENGL 1001 English I	6	ENGL 1200 Rep Lit Works	6	Last assessed Summer 2013
ENGL 1003 Intro Topics In Lit	3	ENGL 1400 Thematic Approaches	3	Last assessed Fall 2014
HIST 1010 Special Topics:European Hist	6	HIST 1200 Civilization	6	Last assessed Fall 2013
BUS 3502 App of Decision Sceince To Bus	3	MSCI 2150 Intro Mgmt Sci	3	Last assessed Winter 2013
BUS 2210 Fundamentals of Marketing	3	MKT 2210 Fund Marketing	3	Last assessed Fall 2015
PHIL 1001 Introduction To Philosophy	6	PHIL 1200 Introduction	6	Last assessed Winter 2011
PSYC 1000 Introductory Psychology	6	PSYC 1200 Introduction	6	Last assessed Fall 2011

Computer Engineering Natural Science Elective possibilities:

University of Winnipeg		University of Manitoba Equivalent		
Course	Credit Hrs.	Course	Credit Hrs.	Comments
GEOG 2216 Physical Geology	3	GEOL 1340 Dynamic Earth	3	Last assessed Winter 2014
PHYS 1701 Astronomy	6	PHYS 1810 Gen Astro 1	3	Last assessed Winter 2011 PHYS 1701 IS EQUIVALENT TO PHYS 1810 & 1820.
PHYS 1701 Astronomy	6	PHYS 1820 Gen Astro 2	3	Last assessed Winter 2011 PHYS 1701 IS EQUIVALENT TO PHYS 1810 & 1820.
PHYS 3301 Quantum Mechanics I	6	PHYS 2380 Quant Physics 1	3	Last assessed Winter 2011 PHYS 3301 IS EQUIVALENT TO PHYS 2380 & 3380.
BIOL 1115 Cells & Cellular Processes	3	BIOL 1020 Bioprinciples	3	Last assessed Fall 2011
KIN 4301 Appl Human Anatomy	3	BIOL 1410 Anat Human Body	3	Last assessed Fall 2013 KIN 4301 IS EQUIVALENT TO BIOL 1410 OR KIN 4XXX.

To view details on courses that meet UM equivalency you can go to the below link (select University of Winnipeg)
https://aurora.umanitoba.ca/banprod/ksstranequiv.p_trans_eq_main