

FAC	DEPARTMENT	PROGRAM	SPECIALIZATION	CREDITS REQUIRED
AH	Agriculture,Food&Nutritional Science	MSc(C)		28
AH	Agriculture,Food&Nutritional Science	MEng(C)		27
AH	Agriculture,Food&Nutritional Science	MSc(C)		28
AH	Agriculture,Food&Nutritional Science	MSc(C)	FSQ40	28
AH	Agriculture,Food&Nutritional Science	MSc(C)	MQ40	28
AH	Agriculture,Food&Nutritional Science	MBA/MAg(C)		66
AH	Human Ecology	MA(C)	MTLCLTR12	26
AH	Human Ecology	MA(C)		26
AH	Human Ecology	MSc(C)	TXCL 40	26
AH	Human Ecology	MSc(C)	FECF 40	26
AH	Human Ecology	MSc(C)	AGING 40	26
AH	Human Ecology	MSc(C)		26
AH	Renewable Resources	MAg(C)	AGRF 10	30
AH	Renewable Resources	MAg(C)	SOILS10	30
AH	Renewable Resources	MAg(C)	WLRS 10	30
AH	Renewable Resources	MAg(C)	CSRSLDWA10	30
AH	Renewable Resources	MAg(C)		30
AH	Renewable Resources	MF(C)	AGRF 24	30
AH	Renewable Resources	MF(C)	ECECORES24	30
AH	Renewable Resources	MF(C)	ENVWCS24	30
AH	Renewable Resources	MF(C)	INTFOR24	30
AH	Renewable Resources	MF(C)	SUSTFM24	30
AH	Renewable Resources	MF(C)		30
AH	Renewable Resources	MBA/MAg(C)	WLRS 44	66
AH	Renewable Resources	MBA/MAg(C)	AGRF 44	66
AH	Renewable Resources	MBA/MAg(C)	SOILS44	66
AH	Renewable Resources	MBA/MAg(C)		66
AH	Renewable Resources	MBA/MF(C)	AGRF 46	63
AH	Renewable Resources	MBA/MF(C)		63
AH	Resource Econ Enviro Sociology	MAg(C)	AERS 10	27
AH	Resource Econ Enviro Sociology	MAg(C)		27
AH	Resource Econ Enviro Sociology	MBA/MAg(C)	AERS 44	66
AH	Resource Econ Enviro Sociology	MBA/MAg(C)		66
AR	Art & Design	MA(C)	HISTA12	27
AR	Art & Design	MA(C)		27
AR	Arts	MA(C)	COMTE12	36
AR	Arts	MA(C)		36
AR	Communications and Technology	MA(C)		36
AR	Digital Humanities	MA(C)		36
AR	Digital Humanities	MA(C)	ANTHRO12	36
AR	Digital Humanities	MA(C)	SOCIO12	36
AR	Digital Humanities	MA(C)	RLGS12	36
AR	Digital Humanities	MA(C)	POLSC12	36
AR	Digital Humanities	MA(C)	PHIL12	36
AR	Digital Humanities	MA(C)	MUSIC12	36
AR	Digital Humanities	MA(C)	MDLGCS12	36

AR	Digital Humanities	MA(C)	LIS12	36
AR	Digital Humanities	MA(C)	LING12	36
AR	Digital Humanities	MA(C)	INDIV12	36
AR	Digital Humanities	MA(C)	HISTCL12	36
AR	Digital Humanities	MA(C)	GNDJ12	36
AR	Digital Humanities	MA(C)	ENGL12	36
AR	Digital Humanities	MA(C)	EASNST12	36
AR	Digital Humanities	MA(C)	DRAMA12	36
AR	Digital Humanities	MA(C)	ARTDES12	36
AR	Drama	MA(C)		27
AR	Economics	MA(C)		27
AR	Economics	MA(C)	ECFN 12	42
AR	English and Film Studies	MA(C)	ENGLISH12	24
AR	English and Film Studies	MA(C)		24
AR	History & Classics	MA(C)	CLA A12	28
AR	History & Classics	MA(C)	CLALANG12	28
AR	History & Classics	MA(C)	HIST 12	28
AR	History & Classics	MA(C)		28
AR	History,Classics,Religion	MA(C)		28
AR	History,Classics,Religion	MA(C)	CLARCH122	28
AR	History,Classics,Religion	MA(C)	HIST 122	28
AR	History,Classics,Religion	MA(C)	CLALANG122	28
AR	History,Classics,Religion	MA(C)	RELGST12	28
AR	History,Classics,Religion	MA(C)		28
AR	Linguistics	MA(C)		27
AR	Music	MA(C)		30
AR	Modern Language cultural studies	MA(C)		27
AR	Modern Language cultural studies	MA(C)	APLIN12	27
AR	Modern Language cultural studies	MA(C)	MEDIACS12	27
AR	Modern Language cultural studies	MA(C)	TRANSST12	27
AR	Modern Language cultural studies	MA(C)	TRNCMPLT12	27
AR	Modern Language cultural studies	MA(C)	COMPLIT12	27
AR	Modern Language cultural studies	MA(C)	FRLAL12	27
AR	Modern Language cultural studies	MA(C)	GLAL 12	27
AR	Modern Language cultural studies	MA(C)	IT ST12	27
AR	Modern Language cultural studies	MA(C)	S LAN12	27
AR	Modern Language cultural studies	MA(C)	S LIN12	27
AR	Modern Language cultural studies	MA(C)	SPLAS12	27
AR	Modern Language cultural studies	MA(C)	UKFKL12	27
AR	Philosophy	MA(C)		24
AR	Political Science	MA(C)		27
AR	Political Science	MA(C)	PLCSTPRC12	27
AR	Political Science	MA(C)	PLCSTCRS12	27
AR	Sociology	MA(C)		24
AR	Sociology	MA(C)	CRMJ 12	24
AR	Women's and Gender Studies	MA(C)	GENSJS12	24
AR	Women's and Gender Studies	MA(C)		24

AR	Women's and Gender Studies	MA(C)	DGTLHM12	24
BC	Business - MBA	MBA(C)		60
BC	Business - MBA	MBA(C)	FINANCE14F	36
BC	Business - MBA	MBA(C)	LSMGT142	60
BC	Business - MBA	MBA(C)	TECOM14	60
BC	Business - MBA	MBA(C)	1CHNSHGH14	60
BC	Business - MBA	MBA(C)	LSMGT142F	36
BC	Business - MBA	MBA(C)	1CHNSHZ14	60
BC	Business - MBA	MBA(C)	PBPOLMG14F	36
BC	Business - MBA	MBA(C)	SUSTAIN14	60
BC	Business - MBA	MBA(C)	PBPOLMGT14	60
BC	Business - MBA	MBA(C)	NATRE14	60
BC	Business - MBA	MBA(C)	MBA GENL14	60
BC	Business - MBA	MBA(C)	INVENTRP14	60
BC	Business - MBA	MBA(C)	IBUS 142	60
BC	Business - MBA	MBA(C)	FINANCE14	60
BC	Business - MBA	MBA(C)		60
BC	Business - MBA	MBA(C)		60
BC	Business - MBA	MBA(C)	FTMC NRE14	60
BC	Business - MBA	MBA(C)	SUSTAIN14F	36
BC	Business - MBA	MBA(C)	NATRE14F	36
BC	Business - MBA	MBA(C)	MBA GEN14F	36
BC	Business - MBA	MBA(C)	INVENTR14F	36
BC	Business - MBA	MBA(C)		36
BC	Business - MBA	MBA(C)	IBUS 14F	36
BC	Business - MBA	MBA/MAg(C)	PBPOLMGT44	66
BC	Business - MBA	MBA/MAg(C)		66
BC	Business - MBA	MBA/MAg(C)	NATRE44	66
BC	Business - MBA	MBA/MAg(C)	SUSTAIN44	66
BC	Business - MBA	MBA/MAg(C)	LSMGT44	66
BC	Business - MBA	MBA/MAg(C)	TECOM44	66
BC	Business - MBA	MBA/MAg(C)	FINANCE44	66
BC	Business - MBA	MBA/MAg(C)	IBUS 44	66
BC	Business - MBA	MBA/MAg(C)	INVENTRP44	66
BC	Business - MBA	MBA/MAg(C)	MBA GENL44	66
BC	Business - MBA	MBA/MF(C)	TECOM46	63
BC	Business - MBA	MBA/MF(C)	LSMGT46	63
BC	Business - MBA	MBA/MF(C)	SUSTAIN46	63
BC	Business - MBA	MBA/MF(C)	IBUS 46	63
BC	Business - MBA	MBA/MF(C)	PBPOLMGT46	63
BC	Business - MBA	MBA/MF(C)	FINANCE46	63
BC	Business - MBA	MBA/MF(C)	INVENTRP46	63
BC	Business - MBA	MBA/MF(C)	MBA GENL46	63
BC	Business - MBA	MBA/MF(C)	NATRE46	63
BC	Business - MBA	MBA/MF(C)		63
BC	Business - MBA	MBA/PHM(C)	MBA GENL47	180
BC	Business - MBA	MBA/PHM(C)		180

BC	Business - MBA	MBA/MSc(C)	MBA GENL59	138
BC	Business - MBA	MBA/MSc(C)		138
BC	Business - MBA	MBA/BSP(C)	MBA GENL60	160
BC	Business - MBA	MBA/BSP(C)		160
BC	Business - MBA	MBA/MEn(C)	FINANCE61	66
BC	Business - MBA	MBA/MEn(C)	IBUS 61	66
BC	Business - MBA	MBA/MEn(C)	INVENTRP61	66
BC	Business - MBA	MBA/MEn(C)	MBA GENL61	66
BC	Business - MBA	MBA/MEn(C)	NATRE61	66
BC	Business - MBA	MBA/MEn(C)	PBPOLMGT61	66
BC	Business - MBA	MBA/MEn(C)	CMPTENG 61	66
BC	Business - MBA	MBA/MEn(C)	TECOM61	66
BC	Business - MBA	MBA/MEn(C)	LSMGT61	66
BC	Business - MBA	MBA/MEn(C)	ENRGSYS 61	66
BC	Business - MBA	MBA/MEn(C)		66
BC	Business - MBA	MBA/JD(C)	INVENTRP67	122
BC	Business - MBA	MBA/JD(C)	TECOM67	122
BC	Business - MBA	MBA/JD(C)	LSMGT67	122
BC	Business - MBA	MBA/JD(C)	SUSTAIN67	122
BC	Business - MBA	MBA/JD(C)	PBPOLMGT67	122
BC	Business - MBA	MBA/JD(C)	NATRE67	122
BC	Business - MBA	MBA/JD(C)	FINANCE67	122
BC	Business - MBA	MBA/JD(C)	IBUS 67	122
BC	Business - MBA	MBA/JD(C)	MBA GEN67	122
BC	Business - MBA	MBA/JD(C)		122
BC	Business - MBA	MFM(C)	1CHNSHZ68	39
BC	Business - MBA	MFM(C)	1CHINA68	39
BC	Business - MBA	MFM(C)	1CHNSHGH68	39
BC	Business - MBA	MFM(C)		39
BC	Business - MBA	MBA/MLI(C)	MBA GENL69	81
BC	Business - MBA	MBA/MLI(C)		81
BC	Business - MBA	MAcc(C)		36
BC	Business - MBA	MD/MBA(C)	MBA GENL02	81
BC	Business - MBA	MD/MBA(C)		81
ED	Educational Policy Studies	MEd(C)	IPEBQCH18	36
ED	Educational Policy Studies	MEd(C)	AD ED18	36
ED	Educational Policy Studies	MEd(C)	EDADLRD18	36
ED	Educational Policy Studies	MEd(C)	IPEINCOH18	36
ED	Educational Policy Studies	MEd(C)	STDEL18	36
ED	Educational Policy Studies	MEd(C)	IDPPLED18	36
ED	Educational Policy Studies	MEd(C)	ADCMHED18	36
ED	Educational Policy Studies	MEd(C)	EDADL18	36
ED	Educational Policy Studies	MEd(C)	SJISE18	36
ED	Educational Policy Studies	MEd(C)	TCISE18	36
ED	Educational Policy Studies	MEd(C)	TCISE18	36
ED	Educational Policy Studies	MEd(C)		36
ED	Educational Psychology	MEd(C)	TECHEDEP18	24

ED	Educational Psychology	MEd(C)	SP ED18	24
ED	Educational Psychology	MEd(C)	SCCOU18	36
ED	Educational Psychology	MEd(C)	COUNP18	36
ED	Educational Psychology	MEd(C)	PSYSTDED18	36
ED	Educational Psychology	MEd(C)	MSEVDS18	24
ED	Educational Psychology	MEd(C)	COUNPACC18	36
ED	Educational Psychology	MEd(C)	MSMTEVCG18	24
ED	Educational Psychology	MEd(C)		36
ED	Educational Psychology	MEd(C)	TESLP18	27
ED	Educational Studies	MEd(C)	KTCEA18	30
ED	Educational Studies	MEd(C)		30
ED	Elementary Education	MEd(C)	CURRPDTL18	30
ED	Elementary Education	MEd(C)		30
ED	Elementary Education	MEd(C)	CURRPDOL18	30
ED	Elementary Education	MEd(C)	CURRPEDG18	30
ED	Elementary Education	MEd(C)	TCHLIB18	30
ED	Elementary Education	MEd(C)	TECHEDEE18	30
ED	Health Sciences Education	MEd(C)		33
ED	Library & Information Studies	MLIS(C)	ONCAMPUS30	39
ED	Library & Information Studies	MLIS(C)	ONLINECH30	39
ED	Library & Information Studies	MLIS(C)		39
ED	Library & Information Studies	MBA/MLI(C)		81
ED	Secondary Education	MEd(C)	TECHEDSE18	30
ED	Secondary Education	MEd(C)		30
EN	Biomedical Engineering	MSc(C)		30
EN	Chemical&Materials Engineering	MEng(C)	WLD E201	27
EN	Chemical&Materials Engineering	MEng(C)	PROC 202	27
EN	Chemical&Materials Engineering	MEng(C)	CH E 20	27
EN	Chemical&Materials Engineering	MEng(C)	MT E 20	27
EN	Chemical&Materials Engineering	MEng(C)		27
EN	Chemical&Materials Engineering	MBA/MEn(C)	WLD E61	66
EN	Chemical&Materials Engineering	MBA/MEn(C)	CH E 61	66
EN	Chemical&Materials Engineering	MBA/MEn(C)	MT E 61	66
EN	Chemical&Materials Engineering	MBA/MEn(C)	PROC 61	66
EN	Chemical&Materials Engineering	MBA/MEn(C)		66
EN	Civil & Environmental Engineering	MEng(C)	STENG201	27
EN	Civil & Environmental Engineering	MEng(C)	WAREE201	27
EN	Civil & Environmental Engineering	MEng(C)	CIVCROSD20	27
EN	Civil & Environmental Engineering	MEng(C)	TRNSP201	27
EN	Civil & Environmental Engineering	MEng(C)	CEM 201	27
EN	Civil & Environmental Engineering	MEng(C)	ENV E201	27
EN	Civil & Environmental Engineering	MEng(C)	ENV S201	27
EN	Civil & Environmental Engineering	MEng(C)	GEOEE201	27
EN	Civil & Environmental Engineering	MEng(C)	GEOTE201	27
EN	Civil & Environmental Engineering	MEng(C)	MNG E202	27
EN	Civil & Environmental Engineering	MEng(C)	PET E201	27
EN	Civil & Environmental Engineering	MEng(C)		27

EN	Civil & Environmental Engineering	MBA/MEn(C)	PET E61	66
EN	Civil & Environmental Engineering	MBA/MEn(C)	MNG E61	66
EN	Civil & Environmental Engineering	MBA/MEn(C)	GEOTE61	66
EN	Civil & Environmental Engineering	MBA/MEn(C)	CEM 61	66
EN	Civil & Environmental Engineering	MBA/MEn(C)	STENG61	66
EN	Civil & Environmental Engineering	MBA/MEn(C)	GEOEE61	66
EN	Civil & Environmental Engineering	MBA/MEn(C)	WAREE61	66
EN	Civil & Environmental Engineering	MBA/MEn(C)	TRNSP61	66
EN	Civil & Environmental Engineering	MBA/MEn(C)		66
EN	Civil & Environmental Engineering	MBA/MEn(C)	ENV E61	66
EN	Electrical & Computer Engineering	MEng(C)	BIOMEDEN20	27
EN	Electrical & Computer Engineering	MEng(C)	CMPTENG 20	27
EN	Electrical & Computer Engineering	MEng(C)	COMCN 20	27
EN	Electrical & Computer Engineering	MEng(C)	CONTR202	27
EN	Electrical & Computer Engineering	MEng(C)	ELMGMCW 20	27
EN	Electrical & Computer Engineering	MEng(C)	ENRGSYS 20	27
EN	Electrical & Computer Engineering	MEng(C)	INTCRCSY20	27
EN	Electrical & Computer Engineering	MEng(C)	MCRNANO 20	27
EN	Electrical & Computer Engineering	MEng(C)	PHOTPLSM20	27
EN	Electrical & Computer Engineering	MEng(C)	SIP 20	27
EN	Electrical & Computer Engineering	MEng(C)	SLDSTEL 20	27
EN	Electrical & Computer Engineering	MEng(C)	SWENINSY20	27
EN	Electrical & Computer Engineering	MEng(C)	MEMSNANO20	27
EN	Electrical & Computer Engineering	MEng(C)	PWENPWEL20	27
EN	Electrical & Computer Engineering	MEng(C)	DSIP 20	27
EN	Electrical & Computer Engineering	MEng(C)	CMDCS 20	27
EN	Electrical & Computer Engineering	MEng(C)		27
EN	Electrical & Computer Engineering	MBA/MEn(C)	CONTR61	66
EN	Electrical & Computer Engineering	MBA/MEn(C)	COMCN 20	66
EN	Electrical & Computer Engineering	MBA/MEn(C)	PWENPWEL61	66
EN	Electrical & Computer Engineering	MBA/MEn(C)	PHOTPLSM61	66
EN	Electrical & Computer Engineering	MBA/MEn(C)	SWENINSY61	66
EN	Electrical & Computer Engineering	MBA/MEn(C)	BIOMEDEN61	66
EN	Electrical & Computer Engineering	MBA/MEn(C)	CMPTENG61	66
EN	Electrical & Computer Engineering	MBA/MEn(C)	ELECMMV61	66
EN	Electrical & Computer Engineering	MBA/MEn(C)	ENRGSYS61	66
EN	Electrical & Computer Engineering	MBA/MEn(C)	INTCRSYS61	66
EN	Electrical & Computer Engineering	MBA/MEn(C)	SLDSTEL 61	66
EN	Electrical & Computer Engineering	MBA/MEn(C)	MICRNANO61	66
EN	Electrical & Computer Engineering	MBA/MEn(C)	SIP 61	66
EN	Electrical & Computer Engineering	MBA/MEn(C)		66
EN	Mechanical Engineering	MEng(C)	ENMGT205	27
EN	Mechanical Engineering	MEng(C)		27
EN	Mechanical Engineering	MBA/MEn(C)	ENMGT61	66
EN	Mechanical Engineering	MBA/MEn(C)		66
LA	Law	LLM(C)		24
MH	Laboratory Med and Pathology	MSc(C)		51

MH	Laboratory Med and Pathology	MSc(C)	PTHASST40	51
MH	Laboratory Med and Pathology	MSc(C)	TRNSFUSC40	36
MH	Laboratory Med and Pathology	MSc(C)		36
NU	Nursing	MN(C)	AGING 34	42
NU	Nursing	MN(C)		42
PE	Kinesiology,Sport,and Recreation	MA(C)		30
PE	Kinesiology,Sport,and Recreation	MA(C)	RECLST12	36
PE	Kinesiology,Sport,and Recreation	MCoach(C)		30
PE	Physical Educ & Recreation	MA(C)	RECL 12	36
PS	Public Health	MA(C)		27
PS	Public Health	MA(C)	CMENGMT12	27
PS	Public Health	MPH(C)	GNPBHLTH38	45
PS	Public Health	MPH(C)	APBIOST38	45
PS	Public Health	MPH(C)	FOODSFTY38	45
PS	Public Health	MPH(C)	OCENHHTH38	45
PS	Public Health	MPH(C)	HPMA 38	51
PS	Public Health	MPH(C)	HLTHPRM38	42
PS	Public Health	MPH(C)	EPIDMLGY38	45
PS	Public Health	MPH(C)	GLBHLT38	45
PS	Public Health	MPH(C)		45
PS	Public Health	MPH(C)	HLTHPDL38	42
RM	Communication Science Disorders	MSc(C)	SLPSK40	84
RM	Communication Science Disorders	MSc(C)	SLP40	84
RM	Communication Science Disorders	MSc(C)	SLPAUGCM40	84
RM	Communication Science Disorders	MSc(C)	SLPEDM40	84
RM	Communication Science Disorders	MSc(C)		84
RM	Occupational Therapy	MSc(C)	OTCALGRY40	81
RM	Occupational Therapy	MSc(C)	BSCOTG40	81
RM	Occupational Therapy	MSc(C)	SASK40	81
RM	Occupational Therapy	MSc(C)		81
RM	Occupational Therapy	MSc(C)	AUGCMPOT40	81
RM	Occupational Therapy	MSc(C)	EDMOCCTH40	81
RM	Occupational Therapy	MBA/MSc(C)	BSCOTG59	138
RM	Occupational Therapy	MBA/MSc(C)	OTCALGRY59	138
RM	Occupational Therapy	MBA/MSc(C)		138
RM	Occupational Therapy	MBA/MSc(C)	SASK59	138
RM	Physical Therapy	MSc(C)	EDMONTON40	96
RM	Physical Therapy	MSc(C)	AUGCMPCH40	96
RM	Physical Therapy	MSc(C)	CALGARYC40	96
RM	Physical Therapy	MSc(C)		96
RM	Physical Therapy	MBA/MSc(C)	AUGCMPCH59	138
RM	Physical Therapy	MBA/MSc(C)	CALGARYC59	138
RM	Physical Therapy	MBA/MSc(C)	EDMONTON59	138
SA	Faculty Saint-Jean	MEd(C)	ESLC 18	30
SA	Faculty Saint-Jean	MEd(C)		30
SC	Computing Science	MSc(C)	MULTIMD40	36
SC	Computing Science	MSc(C)		36

SC	Computing Science	MSc(C)	STATML40	36
SC	Earth & Atmospheric Sciences	MSc(C)	INPETGSC40	36
SC	Earth & Atmospheric Sciences	MSc(C)	URBRGPL40	42
SC	Earth & Atmospheric Sciences	MSc(C)	URP2YR40	39
SC	Earth & Atmospheric Sciences	MSc(C)	TWOYEAR40	39
SC	Earth & Atmospheric Sciences	MSc(C)	ONEYEAR40	27
SC	Earth & Atmospheric Sciences	MSc(C)	URP1YR40	27
SC	Earth & Atmospheric Sciences	MSc(C)		27
SC	Internetworking	MSc(C)	ELCMPUTEN4	30
SC	Internetworking	MSc(C)	CMPTSC40	30
SC	Internetworking	MSc(C)		30
SC	Mathematical & Statistical Science	MSc(C)	STAT 40	24
SC	Mathematical & Statistical Science	MSc(C)	MAFN 40	30
SC	Mathematical & Statistical Science	MSc(C)	BIOST40	30
SC	Mathematical & Statistical Science	MSc(C)	STATMCHL40	30
SC	Mathematical & Statistical Science	MSc(C)	AP MA402	30
SC	Mathematical & Statistical Science	MSc(C)	MDP40	30
SC	Mathematical & Statistical Science	MSc(C)	MATH 40	30
SC	Mathematical & Statistical Science	MSc(C)	MATHP40	30
SC	Mathematical & Statistical Science	MSc(C)		30
SC	Physics	MSc(C)		30

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39079.8	19539.9
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45484.47	22742.235
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45484.47	22742.235
94333.8	47166.9
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45484.47	22742.235
45484.47	22742.235
94333.8	47166.9
94333.8	47166.9
17171.52	8585.76
36489.48	18244.74

36489.48	18244.74
25757.28	12878.64
25757.28	12878.64
30050.16	15025.08
30050.16	15025.08
21464.4	10732.2
25757.28	12878.64
21464.4	10732.2
25757.28	12878.64
19317.96	9658.98
19317.96	9658.98
32196.6	16098.3
32196.6	16098.3
32196.6	16098.3
32196.6	16098.3
36489.48	18244.74
30050.16	15025.08
32196.6	16098.3
32196.6	16098.3
32196.6	16098.3
30050.16	15025.08
60100.32	30050.16
60100.32	30050.16
60100.32	30050.16
60100.32	30050.16
60100.32	30050.16
57953.88	28976.94
57953.88	28976.94
57953.88	28976.94
57953.88	28976.94
57953.88	28976.94
57953.88	28976.94
103546.92	51773.46
103546.92	51773.46
103546.92	51773.46
103546.92	51773.46
68686.08	34343.04
68686.08	34343.04
68686.08	34343.04
68686.08	34343.04
114279.18	57139.59
114279.18	57139.59
114279.18	57139.59
21464.4	10732.2
21464.4	10732.2
27635.4	13817.7
25757.28	12878.64

