GRADE 12U MATH REQUIREMENTS FOR 2009 ONTARIO UNIVERSITY ADMISSIONS

	Primary requirements for 4-year degrees, with exceptions following							
UNIVERSITY	**MATH**	**SCIENCE**	**ENGIN.**	**COMP SCI**	**BUS./ COMM.**	**ARTS/ SOC. SCI.**	**ENV. STUD.**	**PHYS. ED./ KINES.**
ALGOMA	MHF	1 Math (MHF*). Psych, Bio- 1 Math.	NA	BSc- MHF. MCS- MHF + 1 Math.	MHF + 1 Math	None. Econ- MHF (2 Math rec).	NA	NA
BROCK	MHF, MCV	MHF or MCV. Chem- MHF or MCV (2 Math rec). Health- 1 Math (MDM*). Nurs- 1 Math rec.	NA	MHF or MCV	2 Math. Comp&Bus- MHF + 1 Math.	None. Econ- MHF or MCV. Child&Youth, Psych- 1 Math (MDM*).	MHF or MCV.	Phys Ed, Kines- 1 Math. Kines (BSc)- MHF or MCV. Sports Mgt, Recr - None.
CARLETON	MHF, MCV	MHF (MCV rec). Phys- MHF, MCV. IndDsgn- MHF.	MHF + 1 of Earth&Sp, MCV (MCV*)	CS- MHF or MCV. IT – MHF (MCV rec).	Comm- MHF + 1 Math (MCV*). Intl Bus- 1 Math (MHF*)	None. Econ- MHF.	EnvSci, Arch – MHF (MVC rec).	NA
GUELPH	MCV	MHF. Pharm, Phys, Chem- MCV. Child Youth & Family Nutr- 1 Math	MHF, MCV	MCV (MDM rec).	1 Math. MktMgt, AgricBus, MgtEcon- MHF.	None. SocSci- 1 Math rec.	Lndscp- None. EnvMgt- 1 Math rec. EnvSci- MHF	Kines- MHF
LAKEHEAD	MHF + 1 Math	MHF + 2 of Math, Sci. Chem- MHF + 1 of MCV, MHF, Bio, Phys Nurs- 11M or 11U. Geol- 1 Math. WaterRes- 3 of Math, Sci. Frstry- 3 of Math, Sci, CS, Geog.	MHF.	MHF + 1 Math or CS	1 Math.	None. Econ- 1 Math.	None. Bio & Geog- MHF. Earth- 1 Math.	OutdrRec- None. OutdrRec (BSc)- 2 of Math or Sci. Kines- 1 Math.
LAURENTIAN	MHF + 1 Math	1 Math + 2 Sci or 2 Math, 1 Sci. RadThrpy, Forens- MHF (MCV rec). Midwf, Nurs- None.	MHF + 1 of MCV, MDM, Econ, Bio, Earth&Sp	2 Math	2 Math.	None	EnvSci- 1 Math + 2 Sci or 2 Math, 1 Sci.	PhysEd. Kines-None. Kines (BSc)- MHF (MCV rec).
MCMASTER	MHF, MCV	Chem, Phys- MHF, MCV. Life, Earth- MHF or MCV. MedRad- 2 of MHF, MCV, Phys (MCV, Phys rec). Health, Nurs - 1 Math. Midwf- None.	MCV. BTech- MHF	MCV.	2 Math	None. Econ, Psych- (MHF or MCV rec).	MHF or MCV.	Kines- MHF or MCV or English (MCV*)
NIPISSING	MHF, MCV	Bio- MHF or MCV. Psych- MCV. Nurs- 1 Math rec.	NA	MCV + 1 Math.	1 Math.	None. Econ- 1 Math	EnvBio & Tech- 1 of MCV, MHF, Phys. EnvSci & PhysGeog- MCV or MHF	1 Math rec.
OCAD	NA	NA	NA	NA	NA	None	None	NA
ONT INST OF TECH	MHF + 2 of MCV, Bio, Chem, Phys (all 4 rec)	MHF + 2 of MCV, Bio, Chem, Phys (all 4 rec, MCV rec). Nurs- 1 Math. Health- 1 Math (MCV rec). Health Phys- MHF, MCV.	MHF, MCV.	CS- MHF + 2 of MCV, Bio, Chem, Phys (all 4 rec). IT- 1 Math.	1 Math	None.	MHF + 2 of MCV, Bio, Chem, Phys (all 4 rec)	NA
OTTAWA	MHF, MCV.	MHF, MCV. Health- 2 of MHF, MCV, Chem, Phys. Nurs- 11M,11U or 12U Math. Nutr- None.	MHF, MCV.	MHF, MCV.	MHF, MCV. Pub Admin- None. Admin- MCV	None. Econ- MHF (MCV rec).	None. EnvSci- MHF, MCV.	Kines- 1 Math. Kines (BSc)- MHF, MCV.
QUEENS	MHF, MCV	MHF, MCV. Nurs- 1 Math	MCV + 1 of MHF, MDM, Bio, Earth&Sp	MHF, MCV.	MCV + 1 Math.	None.	EnvSci- MHF, MCV.	PhysEd- None. Kines- MHF + 2 of MCV, Chem, Phys

KEY TO SHORT FORMS: MHF= Advanced Functions. MCV= Calculus & Vectors. MDM= Math of Data Mgt. * = Preferred.
None= No Math required. NA= Programme not available. rec= Highly Recommended. 1 Math= 1 of MHF, MCV, MDM required.
MHF + 1 Math= MHF + 1 of MCV or MDM required. (MHF, MCV rec)= MHF and MCV both recommended.
MHF (2 Math rec)= MHF required, MCV or MDM recommended. 11M= MCF3M. 11U= MCR3U.

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UNIVERSITY	**MATH**	**SCIENCE**	**ENGIN.**	**COMP. SCI.**	**BUS./ COMM.**	**ARTS/ SOC. SCI.**	**ENV. STUD.**	**PHYS. ED./ KINES.**
RMC	MHF + 2 of MCV, Chem, Phys, Bio (MCV rec).	MHF + 2 of MCV, Chem, Phys, Bio (MCV rec).	MHF, MCV	MHF + 2 of MCV, Chem, Phys, Bio (MCV rec).	11M, 11U or MHF (MCV rec).	11M, 11U or MHF (MCV rec).	NA	NA
RYERSON	MHF	MHF. Nurs- 11M, 11U or 12U Math. Occ & Pub Health- 1 Math rec.	MHF + 1 of MCV, Bio, Earth&Sp	MHF + 1 Math. Graphic Comm Mgt- 11U, 11M or 12U Math.	Public Admin- None. Mgt- 1 Math	None. Geog- 1 Math rec. Econ- 1 Math.	Arch- MHF or MCV.	NA
TORONTO Mississauga Campus	MHF, MCV (MDM rec).	Chem, Phys- MHF (MCV rec). Forens, Life- MHF. Psych- 1 Math.	NA	MHF, MCV (MDM rec).	Comm- MHF, MCV. Mgt- 1 Math rec.	None. IntlAff, Econ- MHF + 1 Math. Crime- 1 Math rec.	MHF.	NA
TORONTO St. George Campus	MHF, MCV.	MHF, MCV.	MCV + 1 of MHF, MDM, Bio, Earth&Sp	MHF, MCV.	MHF, MCV.	None. Econ- MHF, MCV. Geog- 1 Math rec.	None. Env Econ, EnvSci- MHF, MCV.	MHF or MCV.
TORONTO Scarborough Campus	MHF, MCV.	MHF, MCV. Life- MHF. Psych- 1 Math rec.	NA	MHF, MCV.	Mgt- MHF, MCV.	None. Econ- MHF, MCV. IntlDev, Soc, PhysGeog- 1 Math rec.	EnvSci- MHF, MCV.	NA
TRENT	MHF or MCV (MCV*)	1 Math rec. Forens, Phys, ChemPhys- MHF or MCV. Nurs- 1 Math.	NA	1 Math rec.	MHF or MCV rec.	None. Psych- 1 Math rec.	Env & Res Sci, EnvChem- 1 Math rec.	NA
WATERLOO	MHF, MCV (Euclid rec).	MHF, MCV + 2 of MDM, Sci. Health, Pre-Health- MHF rec.	Engin, Arch- MHF, MCV.	Software Eng, CS, Computing & Fin Mgt - MHF, MCV (Euclid rec).	Acct (BA)- (MHF, MCV or MDM rec). Acct (BMath)- MHF, MCV (Euclid rec). Arts&Bus- MDM rec.	None. Soc Sci- MDM rec.	1 Math rec. Geog & Aviation, Geomatics- 1 Math (2 Math rec). IntlDev- 1 Math or Sci.	Recr- None. Kines- MHF.
WESTERN ONTARIO	MHF + 2 of Math, Sci, CS (MCV*).	MHF + 2 of Math, Sci, CS (MCV*). Health Sci- 1 Math. Nurs- 11M or 11U.	MHF (MCV rec).	MHF + 2 of Math, Sci, CS (MCV*).	2 Math.	None. Econ- MHF, MCV. Psych- MHF rec. Music Admin- MHF.	Env Sci- MHF + 2 of Math, Sci, CS (MCV*).	Kines- MHF rec.
WILFRID LAURIER	MHF, MCV.	MHF. Phys- MHF + 2 of MCV, Chem, Phys. Health, Psych- MHF.	NA	MHF + 1 of MCV, Chem or Phys.	MHF + 1 Math.	None. Econ- MHF + 1 Math. Appl Econ- MHF. Psych- 11M or 11U.	EnvSci- MHF.	BA- 11M or 11U. BSc- MHF.
WINDSOR	MHF, MCV	MHF (MCV rec). Nurs- 1 Math rec.	MHF (MCV rec).	MHF (MCV rec).	1 Math. Bus&Econ- MHF (MCV rec).	None. Econ- MHF (MDM, MCV rec).	None. EnvSci- MHF (MCV rec).	Kines- None.
YORK	MHF (MCV rec).	MHF, MCV. Health- 1 Math rec. Psych, Nurs- 1 Math. Geog- 1 Math (MHF*).	MHF, MCV.	MHF + 1 Math (MCV*)	MHF + 1 Math (MCV*). Admin- MHF. Mgt- 1 Math.	None. Econ- MHF (MCV rec).	None. EnvSci- MHF, MCV.	Kines(BA)- None. Kines(BSc)- 1 Math.

NOTES: Students should check calendars for up-to-date requirements and Websites may provide updates. Info magazine may not have full details. MHF should be taken as a first math credit for most programmes. MCV is required or recommended for most Math, Comp Sci, and Engineering programmes. MDM is accepted in many programmes, especially in Business and Social Sciences, but may fall outside the requirements in others, though still accepted as a credit. Math, Science and Computer Science programmes listed are through the BMath, BSc or BCS (not BA) streams. Three-year degree programs may have fewer requirements.

Special note regarding MCV 4U: Many universities indicate MCV as an admission requirement without listing MHF as a requirement. They have indicated that MHF must be successfully completed, but does not need to be included in the “best 6” average.

SOURCES:
University Websites and calendars
(November 22, 2008)

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