

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). 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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