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**Course Requirements**

You may complete missing prerequisite courses during the academic year preceding admission to the MD Program. However, you must complete all courses by June 1 before entering medical school.

* 6 units in Humanities/Social Sciences
	+ You may fulfill the Humanities/Social Sciences requirements with any courses that are not science based. These include, but are not limited to: Sociology, Psychology, Math, Religion, Administration, English Literature, English Writing, etc.
	+ We will not accept any second language courses toward the Humanities/Social Sciences requirements.
* 6 units in Biology (we also accept Anatomy and Physiology courses)
* 3 units in Organic Chemistry
	+ Examples of topics covered in the course may include: Classification, identification and structural characterization of organic compounds, the mechanisms of organic reactions, basic principles of organic stereochemistry, properties and preparation of hydrocarbons, halogen derivatives, alcohols, ethers and selected polymers.
* 3 units in General Chemistry
	+ Examples of topics covered in the course may include: Chemical bonding, molecular geometry, chemical equations and quantitative relations, kinetics and equilibrium, redox reactions, electrochemistry, ionic equilibria, acids and bases in solution.
* 3 units in Biochemistry
	+ Examples of topics covered in the course may include: The chemistry and biological properties of amino acids, proteins, nucleic acids, lipids, carbohydrates and vitamins.
* 3 units in Statistics

	+ Examples of topics covered in the course may include: A concise survey of probability, theory of statistical inference, point and interval estimation, tests of hypotheses, introduction to analysis of continuous variables, sampling distribution, quantitative analysis, regression analysis, use of statistical software.

**Notes:**

* Units are equivalent to credits
* 3 units are equivalent to a 1-semester course, and 6 units are equivalent to either 1 full-year course or 2 semester-long courses.
* If you are completing a prerequisite course during the year preceding admission to the MD Program, you must enter "IP" instead of a grade in the prerequisite section of your OMSAS application.

**Laboratory Requirement**

* You must demonstrate an exposure to laboratory work. You must have a laboratory component in 2 of the science courses from the categories listed or have completed an exclusive lab course that is the equivalent of 6 units.

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**MD/PhD**

If you are applying to the combined MD/PhD Program at the University of Ottawa, you must provide the following additional documents, required by the Graduate Office:

* Letter of interest that focuses on the reasons for pursuing the combined MD/PhD Program and that states the research area of interest.
* 2 confidential assessment forms specific for the MD/PhD program that attest to graduate research potential (in addition to the 3 Confidential Assessment Forms requested by the MD Program).
	+ The 2 letters of recommendation for the MD/PhD Program may be from the same referees.
	+ The letters must be from previous science teachers or supervisors, and we recommend they discuss your research abilities and/or lab experiences.
* Curriculum Vitae (CV)