



MPC ACADEMY

Math Physics Chemistry

High-level High-quality High-efficiency

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One-on-One / Group, In-person / Online Instruction

Email: mpcteach@hotmail.com; Skype: [george.ma68](https://www.skype.com/people/george.ma68); Tel: (416)879-3919

Dr. Ma: Ph.D. in Synthetic Organic Chemistry; Postdoctoral research fellow at University of California (Irvine) & University of Toronto; Alexander von Humboldt research fellow at University of Kaiserslautern, Germany; Former professor at University of New Brunswick, Canada; Instructing at Seneca College; 20+ years of instructing experience.

UNIVERSITY COURSES*

- **General Chemistry** U1: CHEM1000, 1001&1500; U2: CHM151Y; U3: 1A03, 1AA3, 1E03, 2E03, 2LA3, 2LB3.
- **Organic Chemistry** U1: CHEM2020&3020; U2: CHM136, 138H, 247S, 249S, 347F, 348F, 343S, 342F; U3: 2OA3, 2OB3, 2OC3, 2OD3, 3D03; U4: Chem2213a&2223b.
- **Physics** U1: PHYS1010, PHYS1070, PHYS1410; U2: PHY131H1, PHY132H1, PHY151H1, PHY152H1; U3: 1B03, 1BB3, 1E03, 1L03.
- **Test Preparation: MCAT** (Medical College Admission Test); **PCAT** (Pharmacy College Admission Test); **DAT** (Dental Admission Test); **OAT** (Optometry Admission Test).
- **Biochemistry:** U1: BIOL2020; U2: BCH210H1; **Calculus:** U1: 1300 & 1310; U3: Math 1ZB3; **Thermodynamics:** U1: Chem2011.

*U1: York Univ.; U2: Univ. of Toronto; U3: McMaster Univ.; U4: Univ. of Western Ontario

HIGH SCHOOL COURSES

- **Grades 11&12, IB (Int. Baccalaureate) & AP (Advanced Placement):**
 - Chemistry
 - Physics
 - Functions (Gr. 11)
 - Advanced Functions (Gr. 12)
 - Calculus & Vectors (Gr. 12)
- **Grades 9&10: Science**
- **SAT II & Contests**
 - Chemistry
 - Physics