2012-2013 Honours in Mathematical Optimization
Business Specialization Checklist

Contact Bertrand Guenin (x33641) for further assistance.

Notational conventions: brackets indicate choice lists; i.e., “[134]5” is a short-hand for “135 or 145”; □ indicate requirements.

Disclaimer: In case of discrepancies between the checklist and the University Calendar located at: http://ugradcalendar.uwaterloo.ca/page/MATH-Mathematical-Optimization
the University Calendar will always take precedence. This checklist does not apply to students in Double Degree plans.

This specialization cannot be combined with any other Business or Accounting plan.

You may replace CS courses with the corresponding courses available to CS Honours Computer Science major students.

- Minimum 20 course units
- Minimum 13 math course units
- Minimum 5 non-math course units
- Minimum 60% cumulative and major average
- Maximum 3 course units excluded/failed
- Maximum 25 course units attempted
- Minimum 7 full-time terms (regular), 8 full-time terms (coop)
- English writing skills
- MATH 2[34]7
- MATH 2[34]9
- CO 25[05]
- CS 330 or CS 490
- AMATH 242/CS 371 or CS 370

None of the courses given above can be used to meet the following requirements:
- ACTS 371
- AFM 102
- BUS 111W
- BUS 121W
- BUS 352W
- BUS 481W
- CS 338

1. Math courses:
- Courses/Cross-listed courses with prefixes: ACTSC, AMATH, CO, CM, CS, MATBUS, MATH, PMATH, or STAT
- As well as: ECE 222, 354, 428; SE 212/112, 240, 382, 463, 464, 465

2. Non-math courses:
- Courses with the prefix COMM, MTHEL, and those courses offered by other faculties (excluding courses cross-listed with math courses and courses listed above as math courses)
- Work-term courses (COOP1 to COOP6) and PD courses do not count as math or non-math courses

3. Excluding PD courses and co-op work-term courses.

4. English writing skills requires one of:
- At least 60% on the ELPE
- Successfully complete the study program offered by the UW Writing Centre
- At least 60% on one of the following courses: ENGL 109, ENGL/ESL 129R, ENG 140 R, 210E, 210F, ESL 102R

5. If CO 255 is taken, one of CO 450-471 may be taken instead of CO 351 or CO 353