

Math/Business Administration Checklist – 2023/2024

In case of discrepancies between this checklist with the Undergraduate Studies Academic Calendar, the latter will be the authoritative power.

| Math Faculty Core (10 courses/5 units) | | Business Courses (14 courses/7 units) | |
|---|--|---|--|
| <input checked="" type="checkbox"/> | MATH 1[34]5 Algebra | <input checked="" type="checkbox"/> | One of AFM 101 Introduction to Financial Accounting or BUS 227W Introduction to Financial Accounting |
| <input checked="" type="checkbox"/> | MATH 1[34]6 Linear Algebra 1 | | |
| <input checked="" type="checkbox"/> | MATH 1[34]7 Calculus 1 | <input checked="" type="checkbox"/> | AFM 102 Introduction to Managerial Accounting |
| <input checked="" type="checkbox"/> | MATH 1[34]8 Calculus 2 | <input checked="" type="checkbox"/> | AFM 231/LS 283 Business Law |
| <input checked="" type="checkbox"/> | MATH 2[34]5 Linear Algebra 2 | <input checked="" type="checkbox"/> | BUS 111W Understanding the Business Environment |
| <input checked="" type="checkbox"/> | MATH 2[34]7 Calculus 3 | <input checked="" type="checkbox"/> | BUS 121W Functional Areas of the Organization |
| <input checked="" type="checkbox"/> | STAT 2[34]0 Probability | <input checked="" type="checkbox"/> | BUS 352W Introduction to Marketing Management or MGMT 244/ARBUS 305 Principles of Marketing |
| <input checked="" type="checkbox"/> | STAT 2[34]1 Statistics | | |
| <input checked="" type="checkbox"/> | CS 1[134]5 Computer Science 1 | <input checked="" type="checkbox"/> | BUS 481W Business Policy I |
| <input checked="" type="checkbox"/> | CS 1[134]6 Computer Science 2* | <input checked="" type="checkbox"/> | ECON 101 Introduction to Microeconomics |
| | | <input checked="" type="checkbox"/> | ECON 102 Introduction to Macroeconomics |
| | Communication Courses** (2 courses/1 unit) | <input checked="" type="checkbox"/> | HRM 200 Basic Human Resources Management |
| <input checked="" type="checkbox"/> | List I Communication Course | <input checked="" type="checkbox"/> | MSCI 211 Organizational Behaviour or PSYCH 238 Organizational Psychology |
| <input checked="" type="checkbox"/> | List II Communication Course | | |
| | | <input checked="" type="checkbox"/> | One additional 300 or 400 level COMM course (0.5 unit) |
| Common Math Courses (8 courses/4 units) | | <input checked="" type="checkbox"/> | One additional 300 or 400 level BUS or COMM course (0.5 unit) |
| <input checked="" type="checkbox"/> | ACTSC 2[23]1 Intro Financial Mathematics | | |
| <input checked="" type="checkbox"/> | CO 25[05] Introduction to Optimization | | One additional course chosen from the following list (1 course/0.5 units) |
| <input checked="" type="checkbox"/> | CS 330 Management Information Systems | <input type="checkbox"/> | ARBUS 202/PHIL 215 Professional Business Ethics |
| <input checked="" type="checkbox"/> | CS 338 Computer Applications in Business: Databases | <input type="checkbox"/> | COMM 400 Entrepreneurship, Technology and the Emerging Information Economy |
| <input checked="" type="checkbox"/> | MATBUS 371 Introduction to Corporate Finance | <input type="checkbox"/> | LS 271/PACS 202 Conflict Resolution |
| <input checked="" type="checkbox"/> | CO 370 Deterministic OR Models | <input checked="" type="checkbox"/> | LS 319/PACS 323 Negotiation: Theories and Strategies |
| <input checked="" type="checkbox"/> | STAT 371 Applied Linear Models and Process Improvement for Business | <input type="checkbox"/> | PSYCH 339 Personnel Psychology |
| <input checked="" type="checkbox"/> | STAT 372 Survey Sampling and Experimental Design Techniques for Business | <input type="checkbox"/> | Any AFM, BUS, COMM, ECON, HRM, MSCI PSCI, or STV course |
| | | | |
| Additional Math Courses – 3 (1.5 units) of 300 OR 400-level math courses (0.5 unit each) from ACTSC, AMATH, CO, CS, MATBUS, MATH, PMATH, or STAT | | Elective Courses (3 courses/1.5 units) | |
| <input checked="" type="checkbox"/> | STAT 330 | <input checked="" type="checkbox"/> | CHEM 120 |
| <input checked="" type="checkbox"/> | CO 480 | <input checked="" type="checkbox"/> | CS 136L (0.25) + CHEM 120L (0.25) |
| <input checked="" type="checkbox"/> | AMATH 362 | <input checked="" type="checkbox"/> | CLAS 104 |

ADMISSION:

Math Faculty Students with a 65% overall average after completing at least 10 courses are eligible for consideration for admission. Please submit a Plan Modification Form (<https://uwaterloo.ca/forms/undergraduate-studies/plan-modification-form>) to the Math/Business Administration advisors.

Students not in the Math Faculty must first be admitted to Math before being admitted to the Math/Business Administration program.

COURSE REQUIREMENTS:

1. Successful completion of all the required courses.
2. A minimum of 8 "Full-Time Terms" for Co-op students and at least 7 "Full-Time terms" for Regular students.

[A full-time term is a term with final grades in at least 3 courses (1.5 units).]

3. A maximum of 4 courses (2.0 units) failed.

AVERAGE REQUIREMENTS:

1. A "Cumulative Overall Average" (CAV) of at least 60%. [This is the average of all marks in all courses taken during your undergraduate studies in the Math Faculty.]
2. A "Major Average" (MAV) of at least 60%. [This is the average of all math courses – courses with the following prefixes: ACTSC, AMATH, CM, CO, CS, MATBUS, PMATH, STAT.]
3. A "Special Major Average" (SMAV) of at least 60%. [This is the average of all courses with the following prefixes: AFM, BUS, COMM, ECON, HRM, MSCI, and MTHEL].

CO-OP REQUIREMENTS (CO-OP DEGREES ONLY):

1. At least 5 successful Work Terms.
2. At least 5 successfully completed "Professional Development" (PD) courses.

CHECKING DEGREE PROGRESS:

If you would like one of the advisors to go over your degree progress may you please...

1. Fill out this checklist.
2. Save it as a pdf document and send it to one of the advisors as an attachment.
3. If you know which courses you are taking in a future semester please include that in an Excel spreadsheet divided by term. You may want to use the projected course offerings listing so you know which courses within the math faculty are projected to be taught in specific semesters (<https://uwaterloo.ca/math-business-accounting-programs/current-students/projected-course-offerings>).
4. Please note that though we can go over your degree progress, it is the student's responsibility to ensure all degree requirements are met.

NOTES:

*if you take CS 136 or CS 146 you will also need to take CS 136L as a co-requisite. Please note that you will need to put both in Quest at the same time to register into the course for course selection in the upcoming term.

**Please note that taking these courses will satisfy the Math Faculty's communication course requirement (see the calendar for details; at least one course must be from List 1). Please note that you must complete one of these courses by your 2A term.

***BUS 352W has changed to BUS 252W and BUS 481W has changed to BUS 381W effective the 2024/2025 calendar. Due to this, though it is not in the calendar, you will need to take BUS 252W instead of BUS 352W and BUS 381W instead of BUS 481W if you take it in the fall 2024 term or afterwards.

Students with transfer credits are encouraged to consult with the Math/Business Administration advisors.

Any questions or concerns should be directed to the Math/Business Administration advisors.