Courses Common to Both Finance Specializations (31)

(A) Math Faculty Core (10)	(B) Common Math Courses (12)
MATH 135,136, 235 Algebra I, II, and III MATH 137, 138, 237 Calculus I, II and III CS 115, 116 Computer Science I, II STAT 230, 231 Probability I and II **Communications Course (2)[1]** **Two of: (2)** EMLS 101R, 102R, 103R,104R,110R,129R ENGL 101A/B, 108D,109, 119, 209, 210E/F, 251A SPCOM 100, 223,225,227,228 **Business Courses (7)** **All of: (7)** AFM 101 Financial Accounting AFM 102 Managerial Accounting BUS 111W Intro to Business BUS 121W Areas of the Organization COMM 231 Commercial and Business Law [6] ECON 101 Intro to Microeconomics ECON 102 Intro to Macroeconomics	ACTSC 231 Mathematics of Finance ACTSC 371 Corporate Finance 1 ACTSC 372: Corporate Finance 2 AMATH 350 DE's for Business and Economics[4] CO 250 Linear Optimization CS 330 Management Information Systems CS 335 or CS 476*(see note) MATBUS 470 or ACTSC 446 Derivatives[3] MATBUS 471 Fixed Income Securities STAT 334 Probability Models for Business and Accounting[2] STAT 371 Stats for Business 1 STAT 372 Stats for Business 2 ***Note:** CS 476 may require additional courses as prerequisites

Specialization Specific Courses

CFA Specialization (9)	PRM Specialization (9)
All of: (1) CO 372 Portfolio Optimization **All of:(4)** BUS 352W Introduction to Marketing Management COMM 321 Intermediate Accounting for Finance COMM 421 Financial Statement Analysis COMM 433 Income Tax for Finance Students **One of: (1)** ECON 206 Money and Banking I ECON 207 Economic Growth and Development I ECON 290 Models of Choice in Markets **One of: (1)** MSCI 211 or PSYCH 288/338 Organizational Behavior HRM 200 Basic Human Resources Management **Elective Courses: 2**	**All of: (4)** AM 331/PM 331 Applied Real Analysis CS 338 Databases MATHBUS 472 or ACTSC 445 Risk Management[5] STAT 340 or STAT 341 Simulation **One of: (1)** CO 370 Deterministic OR Models CO 372 Portfolio Optimization **One of: (1)** Any 200, 300 or 400 Level BUS, COMM, ECON, HRM or MSCI course 2 Additional Non-Math courses** 1 Additional free-choice electives

Math Faculty Students with a 75% overall overage after completing at least 10 courses are eligible for consideration for admission. Admission decisions are based not only on overall averages, but also on grades in certain key courses, including calculus, accounting, probability and finance among others. *Admission is not automatic even if you meet the minimum overall grade average.* Students not in the Math Faculty must first be admitted to Math before being admitted to the FARM program.

COURSE REQUIREMENTS:

1. Successful completion of all the required courses for one of the two Specializations. Note that you must choose a Specialization.

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.

4. A maximum of 50 "Course Attempts". [Course attempts include every course taken, whether passed, failed, repeated, excluded, or WD'd.] Consult an academic advisor ASAP if you feel this may be a problem for you.

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 70%. [This is the average of all courses with the following prefixes: AFM, ACTSC, BUS, COMM, ECON and MATBUS.]

CO-OP REQUIREMENTS (CO-OP DEGREES ONLY)

1. At least 5 successful Work Terms.

2. At least 4 credited Work Reports.

3. At least 5 successfully completed "Professional Development" (PD) courses.

Any questions or concerns should be directed to a FARM academic advisor.

NOTES:
[1]Please note that taking these courses will satisfy the Math Faculty's communication course requirement (https://math.uwaterloo.ca/math/communication-courses). Please note that you must complete one of these courses by your 2A term.
[2]Students doing a FARM and Actuarial Science double honours program must take STAT 330 and STAT 333 in place of STAT 334.
[3]Students doing a FARM and Actuarial Science double honours program must take ACTSC 446 in place of MATBUS 470.
[4]Students doing a FARM and Actuarial Science or Statistics double honours program must take AMATH 350. This will be counted for the Statistics degree in place of AMATH 250.
[5]Students doing a FARM and Actuarial Science double honours program must take ACTSC 445 in place of MATBUS 472.
[6]BUS 231W may be used to replace COMM 231 with the approval of a FARM academic advisor. This will normally not be approved unless a student is on a co-op or an off term.
**Students with transfer credits from another Waterloo faculty or another university are encouraged to consult with a FARM academic advisor.
**Non-math course: 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 (COOP 1 to COOP 6) and professional development (PD) courses do not count as math or non-math courses.

Peter Wood   *updated May 2021*