



COURSE SELECTION & PLANNING

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Maintained by CFM Program Manager



Your Course Requirements

- ENGL 210F - Genres of Business Communication
- **Three of the following:** AFM 291 Intermediate Financial Accounting 1, any AFM course at the 300 or 400 level not listed above (for which the necessary pre-requisites have been met), ECON 201 - Microeconomic Theory 1, ECON 202 - Macroeconomic Theory 1, ECON 206 Money and Banking 1, ECON 207 Economic Growth and Development 1, ECON 231 - Introduction to International Economics, ECON 332 - International Finance, ECON 344 - Marketing: Principles of Marketing and Consumer Economics, PHIL 215 - Professional and Business Ethics, SPCOM 223 - Public Speaking; **and two additional AFM courses** at the 300 or 400 level not listed above (for which the necessary pre-requisites have been met)
- **One additional course** from CS 440-498 or CO 487 - Applied Cryptography and **two additional courses** from CS 340-398, CS 440-498 or CO 487 - Applied Cryptography
- **Four additional courses**

Course Sequence at a Glance (Fall 2015 & 2016)

1A

CS 135

MATH 135

MATH 137

AFM 131

AFM 101

1B

CS 136

MATH 136

MATH 138

AFM 121

AFM 102

2A

CS 245

CS 246

STAT 230

AFM 272

ECON 101

2B

CS 241

STAT 231

AFM 372

ECON 101

ENGL 119

3A

CS 240

AFM 231

AFM 424

MATH 239

General Elective

3B

CS 341

STAT 373

AFM 425

Arts Elective

General Elective

4A

AFM 322

CS Elective

Arts Elective

Arts Elective

General Elective

4B

CS Elective

CS Elective

Arts Elective

Arts Elective

General Elective

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AFM 425

Arts Elective

General Elective

4A

AFM 322

CS Elective

Arts Elective

Arts Elective

General Elective

4B

AFM 424

CS Elective

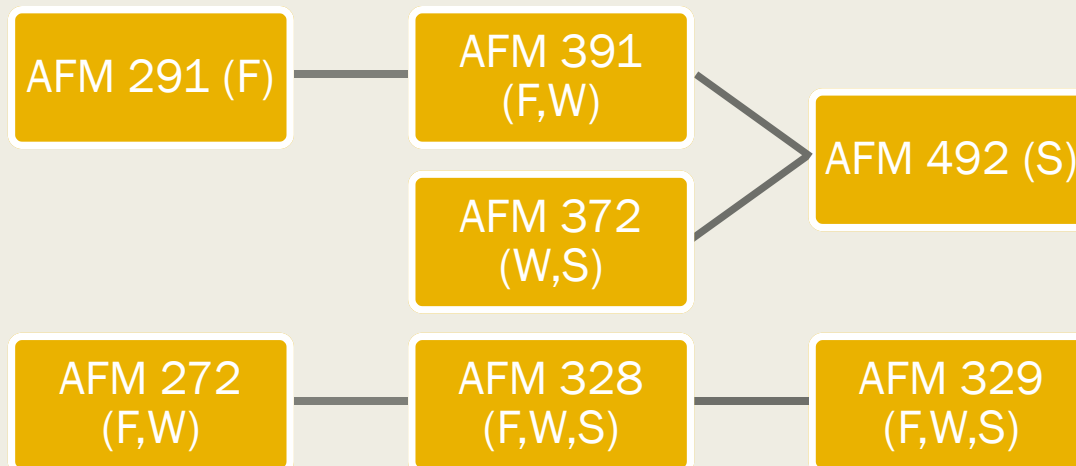
CS Elective

Arts Elective

Arts Elective

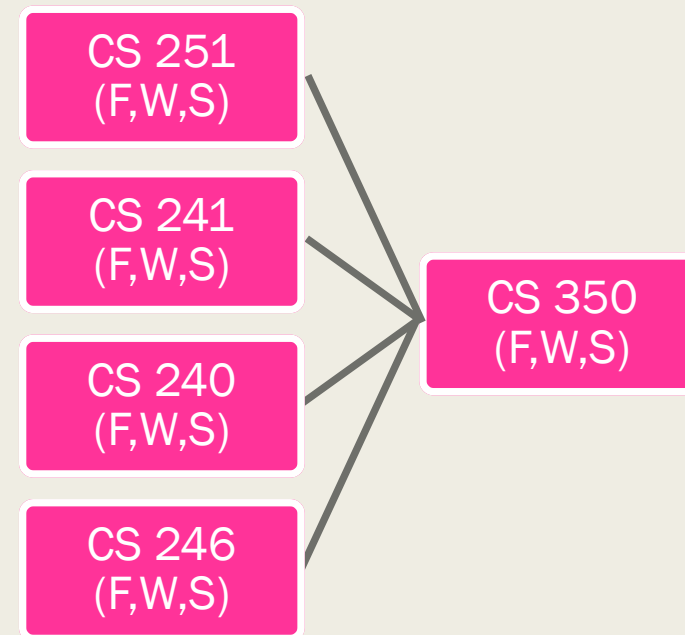
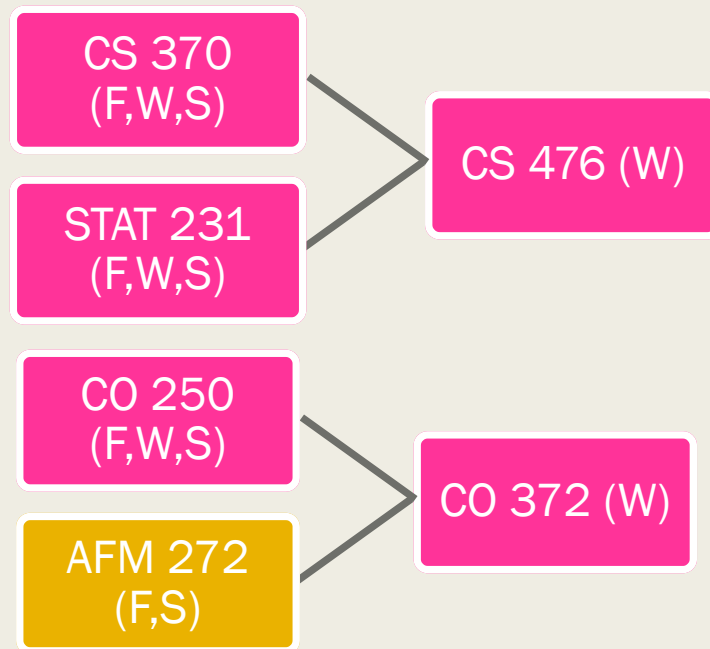
If you are looking for more Finance

- AFM 291 & 391 – Intermediate Accounting
- AFM 492 – Financial statement analysis
- AFM 328 & 329 – Student Investment Fund (Half Courses)
 - *SAF Students make equity investment decisions (Real Money!)*
- AFM 479 – Cases on Applications of Investments and Risk Management (Fall Only!)
- Additional ad hoc offerings – Private Equity, or International Financial Management



If you are looking for more CS

- CS 350 – Operating Systems (Most future CS courses depend on this!)
- “Big Three”: CS 452 – Real Time, CS 444 – Compilers , CS 488 - Graphics
- CS 466 – Algorithms, CS 454 – Distributed, CS 343 – Parallel Programming
- Some others: Databases (I & II), UI (I & II)



Modification to CFM for OS (Fall 2015 & 2016)

2A

CS 245

CS 246

STAT 230

ECON 101

ENGL 119

2B

CS 241

STAT 231

AFM 272

ECON 102

General Elective

3A

CS 240

MATH 239

AFM 231

AFM 372

General Elective

3B

CS 341

STAT 373

AFM 425

Arts Elective

General Elective

2A

CS 245

CS 246

STAT 230

ECON 101

ENGL 119

2B

CS 241

CS 240

CS 251

STAT 231

AFM 272

3A

CS 350

MATH 239

AFM 231

AFM 372

ECON 102

3B

CS 341

STAT 373

AFM 425

Arts Elective

General Elective

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CS 245

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STAT 231

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CS 350

MATH 239

AFM 231

AFM 424

ECON 102

3B

CS 341

STAT 373

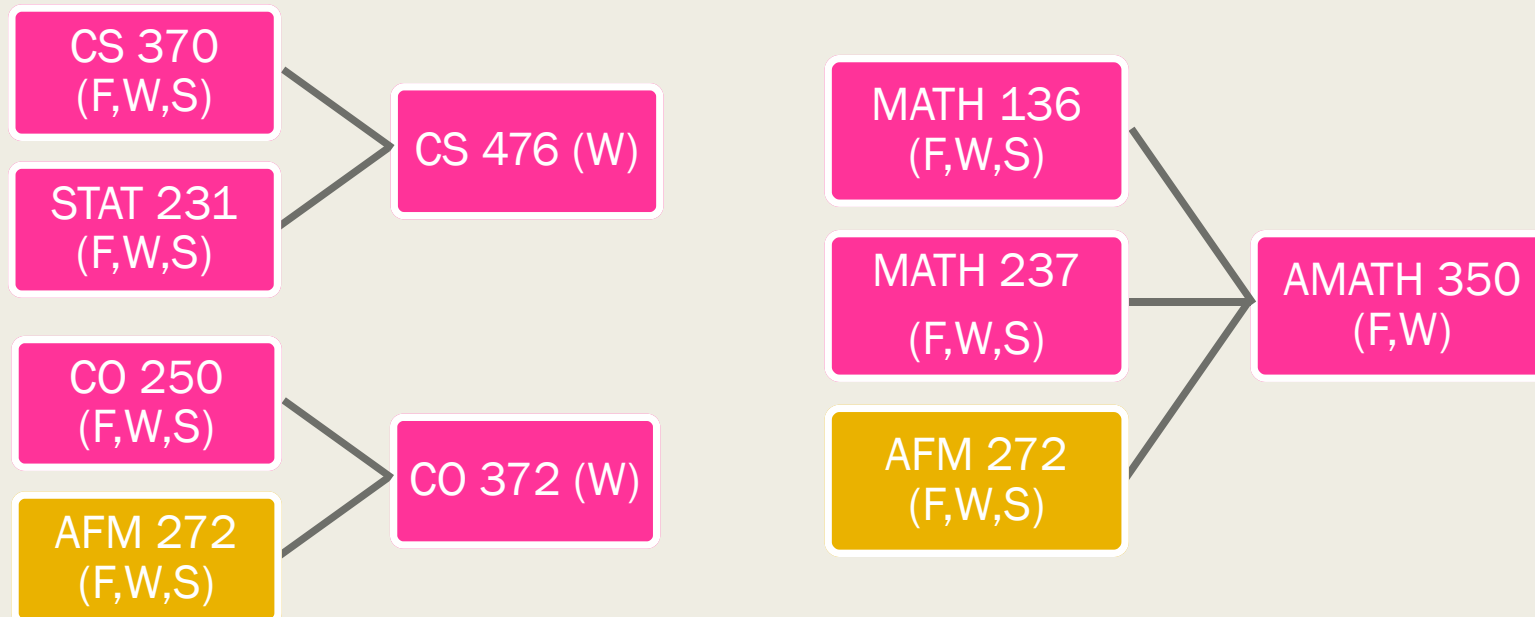
AFM 425

ENGL 119

General Elective

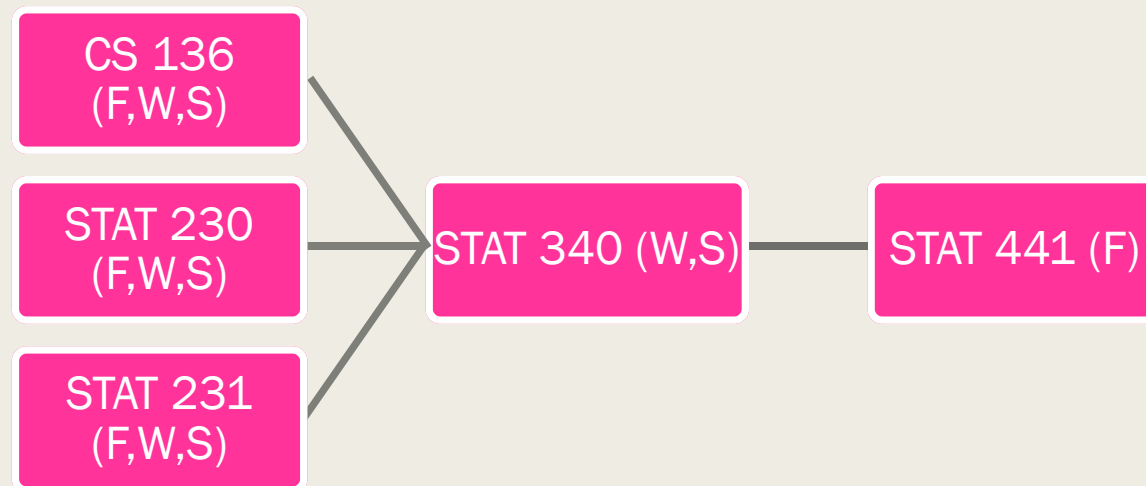
If you are looking for Math + Finance + CS

- CS 476 – Computational Modelling for derivatives
- CO 372 – Portfolio Optimization
- AFM 423 – Financial Econometrics
- AMATH 350 – Differential Equations for Business and Economic



Some Other Interesting Courses

- STAT 341 & 441 – Waterloo’s Offerings of Data Science
- MATH 235 – Linear Algebra 2



If you are looking for some easy courses

- CS 348 - Databases
- CS 349 - UI
- CS 360 - Theory of Computation
- AFM 321 - Personal Financial Planning
- ECON 201, ECON 206, and ECON 207

Additional Considerations

- Courses such as ECON 101, 102, ENGL 210F are offered online, and so you can take them without the class time required (or on coop)
- If you have an 80% average, you can take 6 courses
- Undergraduate Research Assistantship (URA) – allows you the ability to work with a professor on their research
- The Student Run Investment Fund – allows you to get course credit for completing a term as an equity analyst
- Consider taking the enriched versions of CS 240E, CS 245E, CS 241E

Sources of Information (for you)

List of course offerings

- <http://www.ucalendar.uwaterloo.ca/1516/COURSE/course-CS.html>
- <http://www.ucalendar.uwaterloo.ca/1516/COURSE/course-CO.html>
- <http://www.ucalendar.uwaterloo.ca/1516/COURSE/course-STAT.html>
- <http://www.ucalendar.uwaterloo.ca/1516/COURSE/course-AMATH.html>

Courses offered in each term

- <http://www.adm.uwaterloo.ca/infocour/CIR/SA/under.html>
- <https://cs.uwaterloo.ca/cscf/teaching/schedule/>

CS Course Descriptions (with intro videos from lecturers)

- https://cs.uwaterloo.ca/current/courses/course_descriptions/

Prerequisite Chains

- <https://cs.uwaterloo.ca/current-undergraduate-students/math-prerequisite-chain-computer-science-major-courses>
- https://cs.uwaterloo.ca/sites/ca.computer-science/files/uploads/files/Prereq%20chart%20CS%20major%202015%201016_1.pdf