A proposed CFM course sequence - Fall 2021

1A (Fall, Year 1)
CS 135 Designing Functional Programs
MATH 135 Algebra
MATH 137 Calculus 1
CFM 101 Introduction to Fin Markets and Data Analytics
AFM 132 Introduction to Business Stages

1B (Winter, Year 1)
CS 136 Elementary Algorithm Design and Data Abstraction
MATH 136 Linear Algebra 1
MATH 138 Calculus 2
COMMUNICATIONS SKILLS ELECTIVE
AFM 191 Foundations for Financial Reporting

2A (Fall, Year 2)
CS 245 Logic and Computation
CS 246 Software Abstraction and Specification
STAT 230 Probability
AFM 272 Global Capital Markets
ECON 101 Introduction to Microeconomics

2B (Spring, Year 2)
CS 241 Foundations of Sequential Programs
STAT 231 Statistics
AFM 275 Corporate Finance (replaced AFM 372)
ECON 102 Introduction to Macroeconomics
COMMUNICATIONS SKILLS ELECTIVE

3A (Winter, Year 3)
CS 240 Data Structures and Data Management
Math 239 Introduction to Combinatorics
CFM 301 Intermediate Financial Data Analytics
AFM 322 Derivative Securities
GENERAL ELECTIVE

3B (Fall, Year 4)
CS 341 Algorithms
STAT 373 Regression and Forecasting Methods in Finance
AFM 425 Fixed Income Securities
ARTS ELECTIVE
GENERAL ELECTIVE

4A (Spring, Year 4)
AFM 424 Equity Investments
CS ELECTIVE
ARTS ELECTIVE (CFM 401 Topics in Financial Data Analytics)
ARTS ELECTIVE
GENERAL ELECTIVE

4B (Winter, Year 5)
CS ELECTIVE
CS ELECTIVE
ARTS ELECTIVE
GENERAL ELECTIVE

1. Two of the following before 3B: ENGL 109 Introduction to Academic Writing, ENGL 119 Communications in Mathematics and Computer, EMLS 129R/ENGL 129R Written Academic English or SPCOM 223 Public Speaking

2. Two of the following: AFM 291 Intermediate Financial Accounting 1, CFM 401 Topics in Financial Data Analytics, any AFM course at the 300 or 400 level not listed above, ECON 201 Microeconomic 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 1: Principles of Marketing and Consumer Economics, PHIL 215 Professional and Business Ethics; and three additional AFM courses at the 300 or 400 level not listed above, or two additional AFM courses and CFM 401 Topics in Financial Data Analytics

3. Four additional courses
One additional course from CS440-498 or CO 487 Applied Cryptography; and two additional courses from CS251, CS340-398, CS440-498 or CO 487 Applied Cryptography

NOTE: This flowchart is not a substitute for the official degree regulations. If there is a question of interpretation or a discrepancy, the Undergraduate Calendar always takes precedence.
A proposed CFM course sequence for students taking CS115 in 1A (2021)

1A (Fall, Year 1)
CS 115 Designing Functional Programs
MATH 135 Algebra
MATH 137 Calculus 1
CFM 101 Introduction to Finance Markets and Data Analytics
AFM 132 Introduction to Business Stages

1B (Winter, Year 1)
CS 116 Designing Functional Programs
MATH 136 Linear Algebra 1
MATH 138 Calculus 2
COMMUNICATIONS SKILLS ELECTIVE
AFM 191 Foundations for Financial Reporting

2A (Fall, Year 2)
CS 136 Elementary Algorithm Design and Data Abstraction
Math 239 Introduction to Combinatorics
STAT 230 Probability
AFM 272 Global Capital Markets
ECON 101 Introduction to Microeconomics

2B (Spring, Year 2)
CS 245 Logic and Computation
CS 246 Software Abstraction and Specification
STAT 231 Statistics
AFM 275 Corporate Finance (replaced AFM 372)
ECON 102 Introduction to Microeconomics

3A (Winter, Year 3)
CS 240 Data Structures and Data Management
CS 241 Foundations of Sequential Programs
CFM 301 Intermediate Financial Data Analytics
AFM 322 Derivative Securities
ARTS ELECTIVE

3B (Fall, Year 4)
CS 341 Algorithms
STAT 373 Regression and Forecasting Methods in Finance
AFM 425 Fixed Income Securities
COMMUNICATIONS SKILLS ELECTIVE
GENERAL ELECTIVE

4A (Spring, Year 4)
AFM 424 Equity Investments
CS ELECTIVE
ARTS ELECTIVE
(CFM 401 Topics in Financial Data Analytics)
ARTS ELECTIVE
GENERAL ELECTIVE

4B (Winter, Year 5)
CS ELECTIVE
CS ELECTIVE
ARTS ELECTIVE
ARTS ELECTIVE
GENERAL ELECTIVE

Work Term
Winter, Year 2

Work Term
Spring, Year 1

Work Term
Fall, Year 3

Work Term
Fall, Year 5

Work Term
Winter, Year 4

Work Term
Spring, Year 3

1. Two of the following before 3B: ENGL 109 Introduction to Academic Writing, ENGL 119 Communications in Mathematics and Computer, EMLS 129R/ENGL 129R Written Academic English or SPCOM 223 Public Speaking
2. Two of the following: AFM 291 Intermediate Financial Accounting 1, CFM 401 Topics in Financial Data Analytics, any AFM course at the 300 or 400 level not listed above, or ECON 201 Microeconomic 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 1: Principles of Marketing and Consumer Economics, PHIL 215 Professional and Business Ethics; and three additional AFM courses at the 300 or 400 level not listed above, or two additional AFM courses and CFM 401 Topics in Financial Data Analytics
3. Four additional courses
4. One additional course from CS440-498 or CO 487 Applied Cryptography; and two additional courses from CS251, CS 340-398, CS440-498 or CO 487 Applied Cryptography

NOTE: This flowchart is not a substitute for the official degree regulations. If there is a question of interpretation or a discrepancy, the Undergraduate Calendar always takes precedence.