

**UNIVERSITY OF RHODE ISLAND**

**College of Arts & Sciences – Mathematics-Finance Pre-Actuary Track BS**

(Fall 2020 to Spring 2021)

Student Name: \_\_\_\_\_ ID No. \_\_\_\_\_ Date: \_\_\_\_\_

This curriculum sheet is designed to provide students with the suggested course sequence required to complete their Mathematics-Finance BS degree requirements in four years. For information concerning prerequisites, please consult the online catalog at <http://www.uri.edu/catalog>.

Course No.	Course Description	Semester Offered	Credits	Grade
<b>FRESHMAN YEAR</b>				
ECN 201	Principles of Economics: Microeconomics (A2)		3	
ECN 202	<b>Principles of Economics: Macroeconomics (A2, C1)</b>		3	
MTH 141	<b>Introductory Calculus w/Analytic Geometry (A1, B3)</b>	F, S	4	
MTH 142	<b>Intermediate Calculus w/Analytic Geometry (A1, B3)</b>	F, S	4	
PHL 212	Ethics		3	
URI 101	Planning for Academic Success	F	1	
	Language 1 (e.g., A3, C2)	F, S	3	
	Language 2 (e.g., A3, C2)	F, S	3	
	Gen Ed or Elective	F, S	3	
	Gen Ed or Elective	F, S	3	
Total Credits per Academic Year			<b>30</b>	
<b>SOPHOMORE YEAR</b>				
ACC (BUS) 201	Financial Accounting		3	
ACC (BUS) 202	<b>Managerial Accounting</b>		3	
INE (BUS) 315	<b>Legal Environment of Business</b>		3	
MTH 244	<b>Differential Equations</b>	F, S	3	
CSC 201	<b>Intro to Computer Programming</b>	F, S	4	
MTH 215	<b>Introduction to Linear Algebra</b>	F, S	3	
MTH 243	<b>Calculus for Functions of Several Variables (A1, B3)</b>	F, S	3	
MTH 451	<b>Introduction to Probability and Statistics</b>	F, S	3	
WRT 227	Business Communications	F, S	3	
	Gen Ed or Elective		3	
Total Credits per Academic Year			<b>31</b>	
<b>JUNIOR YEAR</b>				
ACC (BUS) 301	<b>Intermediate Accounting I (Earn C or better)</b>		3	
FIN (BUS) 220, (320)	<b>Financial Management</b>		3	
FIN (BUS) 322	<b>Financial Institutions and Markets</b>		3	
MGT (BUS) 341	Organizational Behavior		3	
BUS 390	Junior Career Passport Program		1	
ECN 327	<b>Intermediate ECN Theory: Income and Employment</b>		3	
ECN 328	Intermediate ECN Theory Pricing and Distribution		3	
MTH 437	<b>Advanced Calculus and Applications I</b>	F	3	
MTH 438	<b>Advanced Calculus and Applications II</b>	S	3	
MKT (BUS) 265, (365)	Marketing Principles		3	
MTH 452	<b>Mathematical Statistics</b>	S	3	
Total Credits per Academic Year			<b>31</b>	

SENIOR YEAR				
FIN (BUS) 321	Security Analysis		3	
FIN (BUS) 335	Fundamentals of Risk Management and Insurance		3	
<b>SCA (BUS) 255, (355)</b>	<b>Operations &amp; Supply Chain Management</b>		3	
<b>FIN (BUS) 420</b>	<b>Advanced Financial Management</b>		3	
<b>FIN (BUS) 421</b>	<b>Derivative Securities &amp; Risk Management</b>		3	
FIN (BUS) 422	Student Investment Fund I (optional)		3	
FIN (BUS) 424	Fixed Income Security Analysis		3	
FIN (BUS) 428	International Finance		3	
<b>MGT (BUS) 445</b>	<b>Strategic Management</b>		3	
ECN 376	Introduction to Econometrics		3	
<b>MTH 4XX</b>	<b>MTH 453, MTH 418, or MTH 471</b>	F, S	3	
Total Credits per Academic Year			<b>30</b>	
Total Minimum Credits			<b>122</b>	

NOTES:

\*Courses on the sheet in bold have prerequisites.

F, S denotes semester course if offered: F=Fall or S=Spring or F, S=both.

**General Education Guidelines:**

General education is 40 credits. Each of the twelve outcomes (A1-D1) must be met by at least 3 credits. A single course may meet more than one outcome, but cannot be double counted towards the 40-credit total. At least one course must be a Grand Challenge (G). No more than twelve credits can have the same course code (Note: HPR courses may have more than 12 credits). General education courses may also be used to meet requirements of the major or minor when appropriate.

General Education Credit Count			
At least 40 credits, no more than 12 credits with the same course code			
Course	Credit	Course	Credit
MGT (BUS) 445	3		
CSC 201	4		
ECN 201	3		
ECN 202	3		
MTH 141	4		
MTH 142	4		
MTH 243	3		
PHL 212	3		
WRT 227	3		
Language 1	3		
Language 2	3		
<b>Total Gen Ed Credits</b>			

General Education Outcome Audit	
	Course
<b>KNOWLEDGE</b>	
<b>A1 STEM</b>	MTH 141
<b>A2 Social &amp; Behavioral Sciences</b>	ECN 201
<b>A3 Humanities</b>	PHL 212
<b>A4 Arts &amp; Design</b>	
<b>COMPETENCIES</b>	
<b>B1 Write Effectively</b>	WRT 227
<b>B2 Communicate Effectively</b>	WRT 227
<b>B3 Mathematical, Statistical, or Computational Strategies</b>	MTH 142
<b>B4 Information Literacy</b>	
<b>RESPONSIBILITIES</b>	
<b>C1 Civic Knowledge &amp; Responsibilities</b>	ECN 202
<b>C2 Global Responsibilities</b>	Language
<b>C3 Cultural Competencies</b>	PHL 212
<b>INTEGRATE &amp; APPLY</b>	
<b>D1 Ability to Synthesize</b>	MTH (BUS) 445
<b>GRAND CHALLENGE</b>	
G. At least 1 course approved as 'G'	

**Arts & Sciences Requirement:** To transfer from University College to the College of Arts & Sciences, student must have an overall GPA of 2.0.

**Graduation Requirements:**

1. A minimum of 120 credit hours with an overall grade point average of 2.0.
2. An overall grade point average of 2.0 (including all attempts) is mandatory for the eight 300 and 400 level courses required for the major. Half the credits in the major must be completed at URI.

**Transfer Credits:**

1. Students who wish to study at another college or university must obtain prior approval from the Dean's Office and earn a grade of C or better for the credits to transfer. NOTE: Only the credits and no the grade will transfer.
2. Credit transferred from a community or junior college is limited to half the credits required for the University of Rhode Island degree.