UNIVERSITY OF NORTH CAROLINA
CHARLOTTE
MATHEMATICS AND STATISTICS

Mathematics For Business, B.A.

math.charlotte.edu

Degree Requirements

A Major in Mathematics for Business for the B.A. degree consists of a minimum of 36 hours of approved Mathematics (MATH), Operations Research (OPRS), or Statistics (STAT) courses, one programming course in Computer Science (ITSC), and 18 hours of approved related coursework in an area outside of the department or an approved University minor from outside the department.

General Education Courses (37-41credit hours)
For details on required courses, refer to the General Education Program. Total hours to satisfy General Education Requirements may vary as some general education requirements may be double-counted in the major with departmental approval. Please see your advisor for information.

Foreign Language (0-8 credit hours)
Students are required to demonstrate proficiency in the language of their choice through the 1202 level. For details on demonstrating proficiency refer to the College of Science Foreign Language Requirement in the Undergraduate Catalog.

Core Courses (31 credit hours)

ITSC 1212: Introduction to Computer Science
MATH 1120:Calculus
MATH 2120: Intermediate Applied Calculus
MATH 2164: Matrices and Linear Algebra
MATH 2688 Math Awareness Seminar
MATH 3227: Mathematical Theory of Interest and Applications
MATH 4051: Computer Exploration and Generation of Data
OPRS 3111: Operations Research: Deterministic Models
STAT 1220: Elements of Statistics I (BUSN)
STAT 2223: Elements of Statistics II
STAT 3110: Applied Regression

Restricted Mathematics Elective Courses (9 credit hours)

Select 9 credits of elective courses from MATH, STAT, or OPRS at the 3000-level or above.

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Restricted Related Elective Courses (18 credit hours)

Courses that count towards this requirement must have a discipline prefix other than MATH, STAT, or OPRS. A minor or second major satisfies this requirement.

Unrestricted Elective Courses

As needed to complete the 120 credit hours required for graduation.

Other Important Requirements:

Minimum 120 credit hours (all courses)

Minimum overall GPA of 2.0 (all courses)

Minimum major GPA of 2.0 (degree courses)

B.A. in Mathematics for Business

Name: _____ Minor:_____ From AY 2024-2025

Core Courses	**Semester/Year**	**Grade**
ITSC 1212+L- Introduction to Computer ScienceI		
MATH 1120- Calculus		
MATH 2120- Intermediate Applied Calculus		
MATH 2164- Matrices and Linear Algebra		
MATH 2688- Mathematics Awareness Seminar		
MATH 3227- Math Theory of Interest and Apps *(½)*		
MATH 4051- Computer Exploration & Generation of Data		
STAT 1120- Elements of Statistics I		
STAT 2223- Elements of Statistics II		
STAT 3110- Applied Regression		
OPRS 3111- Operations Research: Deterministic Models		

Restricted Elective Courses: from MATH, STAT, or OPRS at the 3000-level or above.

Course Number	Semester/Year	Grade
1.)		
2.)		
3.)		

Minor/Related Work: 18 hours

_____ _____ _____

_____ _____ _____

Check DegreeWorks for General Education and College's Foreign Language Requirements. A minimum of 120 credits are required for graduation.

Academic Plan of Study
B.A. in Mathematics for Business

Name: _____ ID: _____

Freshman Year					
I			II		
Course ID	Course Name	Grade	Course ID	Course Name	Grade
MATH 1120 Calcu	Calculus I		MATH 2120	Intermediate Applied Calculus	
WRDS 1103/1104	Writing and Inquiry in Academic Contexts		ITSC 1212	Introduction to Computer Science	
XXXX	Theme Course		XXXX	Theme Course	
XXXX	Natural Science		XXXX	Natural Science with Lab	
FORL 1101/1201	Foreign Language or elective		FORL 1101/1201	Foreign Language or elective	

Sophomore Year					
I			II		
Course ID	Course Name	Grade	Course ID	Course Name	Grade
STAT 1220	Elements of Statistics I (BUSN)		STAT 2223	Elements of Statistics II	
MATH 2164	Matrices and Linear Algebra		STAT 3110	Applied Regression	
MATH 2688	Math Awareness Seminar		XXXX	Theme Course	
XXXX	Theme Course		XXXX	Related work or Minor	
CTCM 2530	Critical Thinking and Communication		XXXX	Elective or as needed	
XXXX	Related work or Minor				

Junior Year					
I			II		
Course ID	Course Name	Grade	Course ID	Course Name	Grade
MATH 3227	Math Theory of Interest and Apps		MATH 4051	Computer Exploration and Gen. of Data	
OPRS 3111	Operations Research: Deterministic		MATH 3 or 4xxx	Upper-level Math elective	
XXXX	Related work or Minor		XXXX	Related work or Minor	
XXXX	Elective or as needed		XXXX	Elective or as needed	
XXXX	Elective or as needed		XXXX	Elective or as needed	

Senior Year					
I			II		
Course ID	Course Name	Grade	Course ID	Course Name	Grade
MATH 3 or 4xxx	Upper-level Math elective		MATH 3 or 4xxx	Upper-level Math elective	
XXXX	Related work or Minor		XXXX	Related work or Minor	
XXXX	Elective or as needed		XXXX	Elective or as needed	
XXXX	Elective or as needed		XXXX	Elective or as needed	

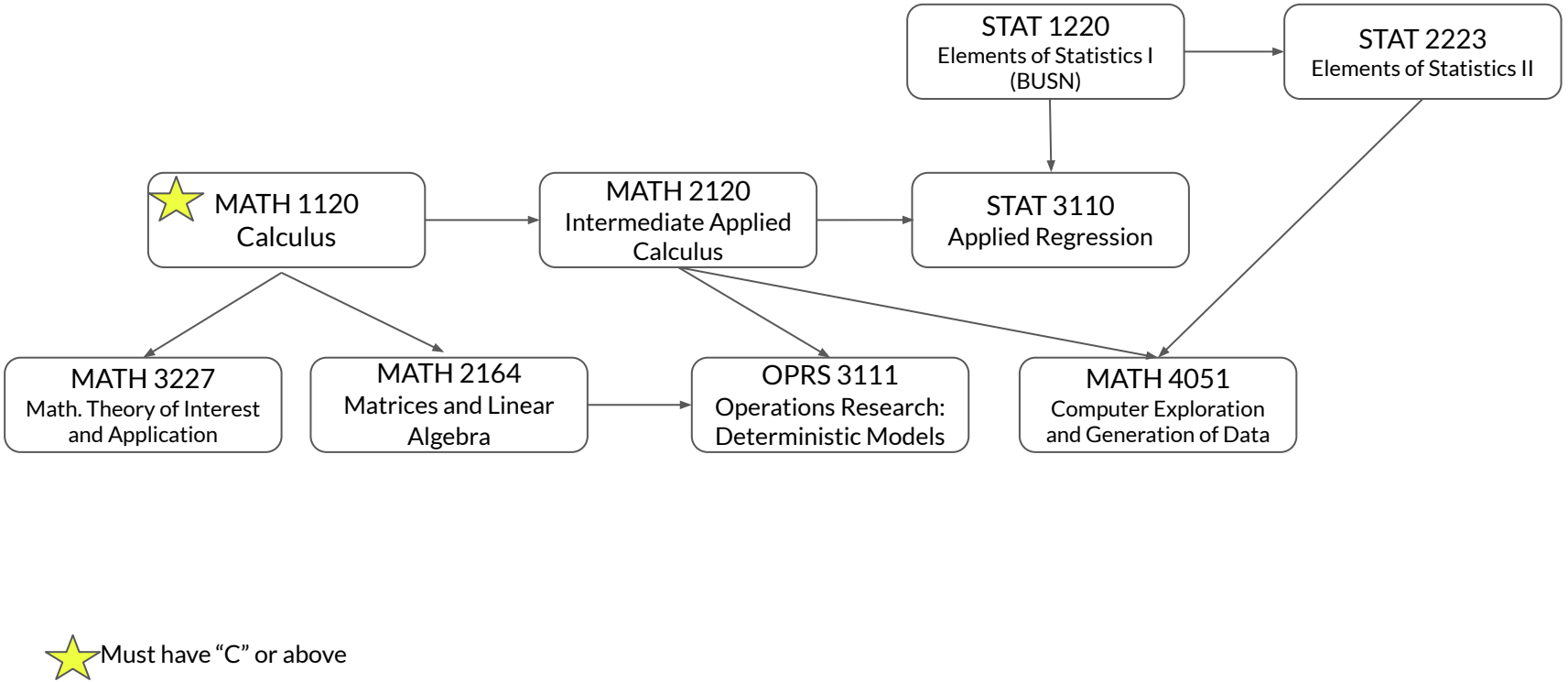
Color Legend

Related work or Minor

General Education

MATH 3 or 4xxx	Upper-level Math elective

Select from STAT 3140, 3150, 3160, 3180, 4116, 4123, 4124

OPRS 3111 is offered in Fall every year

Core Courses