

B.S. Applied Mathematics Checklist

Course	Credits	Completed (C- or better)
Prerequisites: <ul style="list-style-type: none"> • MATH 120 Precalculus or a grade of B or better in both MATH 115 College Algebra and MATH 116 Trigonometry • STAT 201 Introduction to Statistics 		
ICS 140 Programming Fundamentals	4	
PHYS 211 Calculus Based Physics I	5	
MATH 210 Calculus I	4	
MATH 211 Calculus II	4	
MATH 251 Intro to Prob. and Stats	4	
MATH 301 Introduction to Analysis	4	
MATH 310 Calculus III Multivariable Calculus	4	
MATH 315 Linear Algebra	4	
MATH 340 Math Modeling	4	
MATH 350 Ordinary Differential Equations	4	
MATH 450 Operations Research	4	
MATH 471 Abstract Algebra	4	
MATH 499 Senior Seminar	3	
Plus one of the following: MATH 375 Complex Variables MATH 405 Partial Differential Equations MATH 420 Numerical Analysis Or other upper division mathematics course with consent of advisor.	4	

General Requirements	Completed
At least 30 credits taken at Metro State	
At least 19 credits of the math major taken at Metro State	
At least 120 total credits, and a GPA of 2.0 or better	
At least 40 upper division credits (course number 300 or above)	
GELS (General Education/Liberal Studies) requirements (see Catalog)	

If you have any questions please contact any resident faculty member of the mathematics department.