

**UNH MANCHESTER
BACHELOR OF SCIENCE
ANALYTICS
(128 Credits)**

**For Students Entering
September 2016**

Name: _____ Student ID: _____ Advisor _____

DISCOVERY PROGRAM

Discovery Foundations	Course Title/#	Source	Date	Cr.	Grade
Writing (WS) Must be taken within the first 32 credits					
Quantitative Reasoning (QR) Must be taken within the first 32 credits.					
Inquiry Requirement One Inquiry course: (INQ 444 or INQ attribute) _____ Must be taken within the first 25 credits.					

Discovery Categories

Biological Science* (BS)					
Physical Science* (PS)					
Environment, Technology and Society (ETS)					
Historical Perspectives (HP)					
World Culture (WC)					
Fine and Performing Arts (FPA)					
Social Science (SS)					
Humanities (HUMA)					

Writing Intensive Requirement: Course Title/#

ENGL 401 _____ All undergraduates are required to complete four "writing- intensive" courses which must include English 401 (First-Year Writing) and three additional "writing- intensive" courses, one of which must be in the student's major and one must be at the 600-level or above. A student may take a 600/700 level WI course in the major but must still have a total of four WI courses.

WI course in major _____

600/700-level WI course _____

other WI course _____

***One of the two sciences (BS, PS) must have a lab.**

Major Requirements

Students must complete 20 courses in the major. Math 425 may be used to fill the Discovery Quantitative Reasoning requirement. Courses applied to the major must be completed with a minimum grade of C- and a cumulative GPA of 2.0 in the major.

For transfer students: a maximum of 32 credits may be transferred to satisfy the major requirements. Students must complete Data 674, 675, 690, 757, 790, and UMST 599 at UNHM.

Mathematics Courses– 16 credits

Course #	Title	Source	Date	Cr.	Grade
MATH 425, Calculus I (may be used to fill QR requirement)					
MATH 426, Calculus II					
MATH 545, Intro to Linear Algebra (WI) <i>OR</i> MATH 645, Linear Algebra for Applications					
MATH 739, Applied Regression (WI)					

Computer Science Courses – 20 credits

Course #	Course Title	Source	Date	Cr.	Grade
COMP 425	Computing Fundamentals				
COMP 430	Systems Fundamentals				
COMP 490	Statistics in Computing and Engineering				
COMP 520	Database Design and Development				
COMP 525	Data Structures Fundamentals				

Analytics Courses – 16 credits

Course #	Course Title	Source	Date	Cr.	Grade
DATA 557 (may be used to fulfill Discovery ETS requirement)	Intro to Data Science and Analytics				
DATA 674	Predictive and Prescriptive Analytics I				
DATA 675	Predictive and Prescriptive Analytics II				
DATA 757	Big Data				

Business Courses – 16 credits

Course #	Course Title	Source	Date	Cr.	Grade
BUS 400	Introduction to Business				
BUS 453	Leadership for Managers				
ENGL 502	Technical Writing				
BUS 620	Organizational Behavior				

Capstone

Course #	Course Title	Source	Date	Cr.	Grade
UMST 599	Internship & Career Planning Seminar			1	
DATA 690	Internship Experience				
DATA 790	Capstone Project				

Electives to total 128 credits

Course #	Course Title	Source	Date	Cr.	Grade