

Undergraduate Program Curriculum Outline
Proposed Minor: Data Analytics

Required Core Courses (Total # courses required = 4)		
<i>Course Number</i>	<i>Course Title</i>	<i>Credit Hours</i>
DSC 101	Introduction to Data Science	3
DAN 147	Statistics for Data Analysis (* See list of possible replacement courses in notes below.	3
DAN 231	Exploratory Data Analysis	3
DAN 301	Analysis of Social Data	3
	Sub Total # Core Credits Required	12
Additional Course Choices (Total # courses required = 2) (attach list as needed)		
300 or 400	300+ level course from approved list: see (**) in notes	3
300 or 400	300+ level course from approved list: see (**) in notes	3
	Sub Total # Minor Credits Required	6
Curriculum Summary		
	Total number of courses required for the minor	6
	Total credit hours required for Minor	18
Prerequisite or Other Requirements:		
(*) The following courses may be taken in place of DAN 147 Statistics for Data Analysis, and may be counted for both the Data Analytics minor and as fulfilling a major requirement:		
<ul style="list-style-type: none"> • PSY 205 Statistics for Psychology • MTH 332 Mathematical Statistics • BNG 311 Statistics for Bioengineering • POM 212 Business Statistics • ECO 332 Economic Statistics • BIO 430 Biological Statistics 		
(**) Students choose two (2) 300+ level courses from their major, or other course offerings, from an approved list.		
Courses on the approved list have been selected by faculty for quantitative elements consistent with the Data Analytics minor, and in which students will exercise Data Analytics skills.		
The Director of the Data Analytics minor will make a regularly updated list of approved upper-level courses available on the Data Analytics minor website.		

Data Analytics Minor

Approved 300+ level existing social science

BIO 350 - Plant Biology
BIO 402 - Community Ecology
BIO 430 - Biological Statistics
BIO 440 - Research Project
CJS 315 - Research Methods for Justice Studies
CJS 407 - Field Inquiry I
CJS 408 - Field Inquiry II
ECO 300 - Mathematical Economics
ECO 332 - Economic Statistics
ECO 333 - Econometrics
ECO 340 - Behavioral and Experimental Economics
ECO 445 - Economics of Education
ECO 461 - Urban Economics
ECO 472 - Coastal Resource Economics
ECO 481 - Economics of Sports and Games
PSC 302 - The Legislative Process
PSC 312 - Massachusetts Politics
PSC 313 - Urban Politics
PSC 333 - Political Behavior
PSC 349 - Political Science Research Methods
SOA 316 - Research Methods
SOA 386 - Sustainability in Action
SOA 407 - Field Inquiry I
SOA 408 - Field Inquiry II