



# Data Analytics Major

For students entering Fall, 2017 or later

Aliber 208 (515) 271-3142  
 Website: [www.cbpa.drake.edu](http://www.cbpa.drake.edu)  
 Email: [cbpa.undergrad.office@drake.edu](mailto:cbpa.undergrad.office@drake.edu)

Revised August 1, 2017

Name \_\_\_\_\_

Student ID \_\_\_\_\_

I. Basic Graduation Requirements	
124 - Total Credit Hours	<input type="text"/>
42 - 100-Level or Above Credit Hours	<input type="text"/>
2.0 or Above - Cumulative GPA*	<input type="text"/>
2.0 or Above - Business 100-Level Course GPA	<input type="text"/>
Graduation Petition	<input type="text"/>
Graduation Application	<input type="text"/>

\* GPA Established After Enrolling As A CBPA Student

IV. Business Core Requirements (39 Credits)		
	Credit	Grade
The Business Profession Sequence (Every Semester)	0	
ACCT 041 - Introduction to Financial Accounting	3	
ACCT 042 - Introduction to Managerial Accounting	3	
ECON 002 - Principles of Microeconomics	3	
IS 044 - Microsoft Office Tools for Business Analysis	3	
BLAW 060 - Business Law I	3	
BUS 070 - Globalization	3	
BUS 073 - Professional Verbal Communication	2	
BUS 074 - Professional Written Communication	2	
IS 084 - Business Data and Knowledge Management	2	
FIN 101 - Corporate Finance	3	
MGMT 110 - Organizational Behavior	3	
MGMT 120 - Management of Operations	3	
MKTG 101 - Marketing Principles	3	
BUS 195 - Business Strategy and Policy	3	

V. Data Analytics Major (47-54 Credits)		
	Credit	Grade
CS 065 - Intro to CS I	3	
CS 066 - Intro to CS II	3	
CS 083 - Ethical/Social Computing	3	
CS 167 - Machine Learning	3	
CS 178 - Cloud and Database Systems	3	
MATH 050 - Calculus I	4	
MATH 070 - Calculus II	4	
STAT 040 - Introduction to R and SAS	3	
STAT 130 - Probability for Analytics	3	
STAT 170 - Stat Modeling/Data Analysis II	3	
STAT 172 - Data Mining and Generalized Linear Models	3	
STAT 190 - Case Studies in Data Analysis and Big Data	3	
Data Analytics Field Specialty - Choose At Least One Field		
Actuarial: ACTS 120 and 120L, 121, 131 and 131L, Plus two of ACTS 135, 150, 161 or FIN 102	16	
Bioinformatics: BIO 012/012L; BIO 116, BIO 105 or BIO 165, BIO 198, BIO 199	16	
Computational: Choose four: CR 137; CS 143; CS 147; CS 160; CS/MATH 165; CS 188; Topics Course; 191	13	
Economics: ECON 010, 170, 173, 174	12	
Electronic Commerce: Choose three: IS 114, 145, 160, 194	9	
Finance: FIN 102, 121, 193	9	
Marketing: MKTG 113 and two of MKTG 109, 111, or 130	9	
Mathematics: Choose three: MATH 125, 127, 165, 176, or Probability; and MATH 120, 191	13	
Individualized: At least 15 credits as approved by advisor; at least two courses must be at 100 level or above	15	

II. Areas of Inquiry (Drake Curriculum)			
	Course	Credit	Grade
First-Year Seminar		3	
Critical Thinking	ACCT 041	3	√
Written Communication		3	
Information Literacy	CS 065	3	√
Historical Foundations		3	
Historical Foundations		3	
Global and Cultural Understanding	BUS 070	3	√
Values and Ethics	BLAW 060	3	√
Artistic Experience		3	
** Physical Science		3 or 4	
** Life Science		3 or 4	
Quantitative Literacy	MATH 028 or 050	3 or 4	√
Engaged Citizen		3	
Senior Capstone	BUS 195	3	√
**One science course must include a lab			

III. Non-CBPA/Non-AOI Requirement (9 credits)			
	Course	Credits	Grade
	Course		
	Course		
	Course		
	Course		
	Total Credits:	9	