UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 11 ADDENDUM 1

Spring 2020

--REQUIREMENTS-

Faculty Senate approved April 9, 2020

The requirements listed below reflect the undergraduate major curricular changes approved by the Catalog Subcommittee since approval of the last Undergraduate Major Change Bulletin. The text under the heading titled *Proposed* will show strikethroughs for deletions, and underlines for additions, as needed.

Dept	Proposed		Effective Date
Mathematics and Statistics	Data Analytics - Actuarial Science Option (120 Credits)		8-20
Remove CAS requirements and revise graduation	Students are admitted to the Actuarial Science option upon completi semester credits with a 2.0 GPA.	ion of 24	
requirements	First Year		
for Bachelor of Science in Data	First Term	Credits	
Analytics -	CPT S 115, CS 115, or STAT 115	3	
Actuarial	CPT S 121, 131, or CS 121	4	
Science Option	ENGLISH 101 [WRTG]	3	
	MATH 171 [QUAN]	4	
	Elective	<u>1</u>	
	Second Term	Credits	
	CPT S 122, 132, or CS 122	4	
	ECONS 101 [SSCI]	3	
	HISTORY 105 [ROOT]	3	
	MATH 172	4	
	Elective	1	
	Second Year		
	First Term	Credits	
	B LAW 210	3	
	CPT S 215 or CS 215	3	
	ECONS 102 [SSCI]	3	
	MATH 220	2	
	STAT 360	3	
	Second Term	Credits	
	Arts [ARTS]	3	
	Communication [COMM] or Written Communication [WRTG]	3	

CPT S 315 or CS 315	
	3
FIN 350	3
STAT 380	3
Complete Writing Portfolio	
Third Year	
First Term	Credits
Biological Sciences [BSCI] or Physical Sciences [PSCI] with la	
CPT S 451 or CS 351 CPT S 415 or CS 415	3
MATH 300 [M]	3
MATH 405	3
STAT 412, 423, or ECONS 311 [M] ²	3
STAT 435 [M]	3
Second Term	Credits
<u>Biological Sciences [BSCI] or Physical Sciences [PSCI] (</u> with la CPT S 415 or CS 415 CPT S 451 or CS 351	ab) ¹ 3
Humanities [HUM]	3
STAT 436	3
STAT 437	<u>3</u>
Electives	3
Fourth Year	
First Term	Credits
Diversity [DIVR]	3
Foreign Language, if needed, or Electives	6
STAT 419	3
STAT 443	3
Electives	<u>6</u>
Second Term	Credits
	APS]
CPT S 424 [CAPS] [M], CS 424 [CAPS] [M], or STAT 424 [CA [M]	3
[M]	- 3
[M] Foreign Language, if needed, or Electives	4 3 3 6 3
[M] Foreign Language, if needed, or Electives PHIL 450	
CPT S 424 [CAPS] [M], CS 424 [CAPS] [M], or STAT 424 [C4 [M] Foreign Language, if needed, or Electives PHIL 450 STAT 446 <u>Electives</u>	

Mathematics and Statistics Remove CAS	Data Analytics - Agriculture and Environmental Systems (120 Credits)	s Option	8-20
requirements and revise graduation	Students are admitted to the Agriculture and Environmental Systems completion of 24 semester credits with a 2.0 GPA.	s option upon	
requirements for Bachelor of Science in Data	First Year		
Analytics -	First Term	Credits	
Agriculture and Environmental	CPT S 115 or STAT 115	3	
Systems Option		4	
	ENGLISH 101 [WRTG]	3	
	MATH 171 [QUAN]	4	
	Second Term	Credits	
	BIOLOGY 106 [BSCI]	4	
	CPT S 122 or 132	4	
	HISTORY 105 [ROOT]	3	
	MATH 172	4	
	Second Year		
	First Term	Credits	
	Communication [COMM] or Written Communication [WRTG]	3	
	CPT S 215	3	
	MATH 220	2	
	SOIL SCI 201	3	
	STAT 360	3	
	Second Term	Credits	
	Arts [ARTS]	3	
	CPT S 315	3	
	GEOLOGY 101 [PSCI]	4	
	Humanities [HUM]	3	
	SOE 101 [PSCI]	<u>4</u>	
	STAT 380	3	
	Complete Writing Portfolio		
	Third Year		
	First Term	Credits	
	Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3	
	<u>CPT S 451 CPT S 415</u>	3	
	SOIL SCI 368	3	
	STAT 412, 423, or ECONS 311 [M]	3	

STAT 435 [M] 3 Electives 36 Second Term Credits CPT S 415 CPT S 451 3 SOIL SCI 374 3 SOIL SCI 468 4 STAT 436 3 STAT 437 3 Electives 3
Second Term Credits CPT S 415-CPT S 451 3 SOIL SCI 374 3 SOIL SCI 468 4 STAT 436 3 STAT 437 3
CPT S 415-CPT S 451 3 SOIL SCI 374 3 SOIL SCI 468 4 STAT 436 3 STAT 437 3
SOIL SCI 374 3 SOIL SCI 468 4 STAT 436 3 STAT 437 3
SOIL SCI 468 4 STAT 436 3 STAT 437 3
STAT 436 3 STAT 437 3
<u>STAT 437</u> <u>3</u>
Fourth Year
First Term Credits
BIOLOGY 372 [M], NATRS SOE 464 [M], or SOIL SCI 302 [M] 3
Diversity [DIVR] 3
Foreign Language, if needed, or Electives 6
STAT 419 3
<u>Electives</u> <u>6</u>
Second Term Credits
CPT S 424 [CAPS] [M] or STAT 424 [CAPS] [M] 3
Foreign Language, if needed, or Electives 6
PHIL 450 3
Social Sciences [SSCI] 3
<u>Electives</u> <u>6</u>
[No Footnotes]
Mathematics and StatisticsData Analytics – Business Option (120 Credits)8-20
Remove CAS Students are admitted to the Business option upon completion of 24 semester
requirements credits with a 2.0 GPA.
and revise
graduation requirements First Year
for Bachelor of
Science in Data First Term Credits
Analytics - CPT S 115, CS 115, or STAT 115 3
Business CPT S 121, 131, or CS 121 4
Business Option CPT S 121, 131, or CS 121 4 MATH 101 [WRTG] 3 MATH 171 [QUAN] 4
Business Option CPT S 121, 131, or CS 121 4 Support ENGLISH 101 [WRTG] 3
Business Option CPT S 121, 131, or CS 121 4 MATH 101 [WRTG] 3 MATH 171 [QUAN] 4
Business Option CPT S 121, 131, or CS 121 4 MATH 101 [WRTG] 3 MATH 171 [QUAN] 4 Elective 1

HISTORY 105 [ROOT]	3
MATH 172	4
Elective	1
Second Year	
First Term	Credits
ACCTG 230	3
COM 102 [COMM] or H D 205 [COMM]	3
CPT S 215 or CS 215	3
MATH 220	2
STAT 360	3
Second Term	Credits
Arts [ARTS]	3
CPT S 315 or CS 315	3
Humanities [HUM]	3
MIS 250	3
STAT 380	3
Complete Writing Portfolio	
Third Year	
First Term	Credits
Biological Sciences [BSCI] or Physical Sciences [PSCI] with lab1	<u>3</u> -4
CPT S 451 or CS 351 CPT S 415 or CS 415	3
MGMT 301	3
MIS 322 [M]	3
STAT 412, 423, or ECONS 311 [M]	3
<u>STAT 435 [M]</u>	<u>3</u>
Second Term	Credits
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Biological Sciences [BSCI] or Physical Sciences [PSCI] (with lab) ¹	4
CPT S 415 or CS 415 CPT S 451 or CS 351	3
MIS 420	3
STAT 436	3
<u>STAT 437</u>	<u>3</u> 3
Electives	<u>3</u>
Fourth Year	
First Term	Credits
Diversity [DIVR]	3
Foreign Language, if needed, or Electives	5
STAT 419	3

	Business Electives ² Electives	3	
	Second Term	<u>Credits</u>	
	CPT S 424 [CAPS] [M], CS 424 [CAPS] [M], or STAT 424 [CAPS] [M]	3	
	Foreign Language, if needed, or Electives	6	
	PHIL 450	3	
	Business Electives ²	3	
	Electives	<u>6</u>	
	 Footnotes To meet University and College of Arts and Sciences requirements, students must take a [i with lab and [PSCI] course with lab or SCIENCE 101 [SCI] and SCIENCE 102 [SCI]. SC [SCI] is offered Fall semester and is a prerequisite for SCIENCE 102 [SCI]. SCIENCE 10 offered Spring semester. For a total of 7 credits – one Biological Sciences [BSCI] and one Sciences[PSCI] course, including one lab course. ² Business Electives (6 credits): Approved courses include ACCTG 433 [M], FIN 427 [M], MGTOP 470, MIS 372 [M], or MKTG 368. 	CIENCE 101 2 [SCI] is 2 Physical	
Mathematics	Data Analytics - Computation Option (120 Credits)		8-20
and Statistics Remove CAS requirements and revise graduation requirements	Students are admitted to the Computation option upon completion of 2 credits with a 2.0 GPA. First Year	24 semester	
for Bachelor of	rirst Year		
Science in Data	First Term	Credits	
Analytics -	CPT S 115 or STAT 115	3	
Computation Option	CPT S 121 or 131	4	
option	HISTORY 105 [ROOT]	3	
	MATH 171 [QUAN]	4	
	Elective	1	
	Second Term	Credits	
	CPT S 122 or 132	4	
	ENGLISH 101 [WRTG]	3	
	Humanities [HUM]	3	
	MATH 172	4	
	Elective	<u>1</u>	
	Second Year		
	First Term	Credits	
	Biological Sciences [BSCI] or Physical Sciences [PSCI] with lab ¹	<u>3 4</u>	
	Communication [COMM] or Written Communication [WRTG]	3	
	CPT S 215	3	
	MATH 220	2	

TAT 360	3
econd Term	Credits
iological Sciences [BSCI] or Physical Sciences [PSCI] (with lab) ¹	4
CPT S 315	3
CPT S 350	3
1ATH 364	3
TAT 380	3
Complete Writing Portfolio	
'hird Year	
First Term	Credits
arts [ARTS]	3
CPT S 322 [M]	3
<u>PT S 451 CPT S 415</u>	3
CPT S 484	3
TAT 412, 423, or ECONS 311 [M] ²	3
<u>TAT 435 [M]</u>	<u>3</u>
econd Term	Credits
Computation Elective ³²	3
2PT S 415 <u>CPT S 451</u>	3
Diversity [DIVR]	3
1ATH 420	3
TAT 436	3
<u>TAT 437</u>	<u>3</u>
ourth Year	
First Term	Credits
Computation Elective $\frac{32}{2}$	3
oreign Language, if needed, or Electives	6
ocial Sciences [SSCI]	3
TAT 419	3
lectives	<u>6</u>
lecond Term	Credits
rts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Computation Elective $\frac{32}{2}$	3
CPT S 424 [CAPS] [M] or STAT 424 [CAPS] [M]	3
oreign Language, if needed, or Electives	3 or 4
HIL 450	3
lectives	6

	Footnotes		
	¹ To meet University and College of Arts and Sciences requirements, students must take a [BSC with lab and [PSCI] course with lab or SCIENCE 101 [SCI] and SCIENCE 102 [SCI]. SCIEN [SCI] is offered Fall semester and is a prerequisite for SCIENCE 102 [SCI]. SCIENCE 102 [SCI].	ICE 101 ICI] is	
	offered Spring semester. For a total of 7 credits – one Biological Sciences [BSCI] and one Phy Sciences [PSCI] course, including one lab course.	vsical	
	 Sciences [1301] course, including one tab course. ² Students who take STAT 412 or 423 will need to take an [M] course to fulfill major requirement 	onte	
	$\frac{32}{32}$ Computation Electives (9 credits): Approved courses include CPT S 434, 440, 471, MATH 44		
Mathematics and Statistics	Data Analytics - Data Visualization Option (120 Credits)		8-2(
Remove CAS	The following minimum criteria must be met for consideration for admis	sion to	
requirements	the Data Visualization option:	51011 to	
and revise			
graduation	- a grade of C, or higher, in each of the Required Admission Courses;		
requirements	 completion of the following Required Admission Courses: MATH 12 	71.	
for Bachelor of	MATH 172 or MATH 182; MATH 220; and one of the following for		
Science in Data	Program Design and Data Structure:		
Analytics -			
Data			
Visualization			
Option			
option	Admission Guarantee: Students who have completed the courses noted a	hove	
	with an average GPA of at least 3.2, who have an overall GPA of at least		
	the courses that have been taken that are required in the major, and who		
	the courses that have been taken that are required in the indior, and who have	lave not	
	repeated any required course, are guaranteed admission. Students are admitted to the Data Visualization option upon completion of semester credits with a 2.0 GPA.	<u>of 24</u>	
	Students are admitted to the Data Visualization option upon completion option semester credits with a 2.0 GPA.	<u>of 24</u>	
	Students are admitted to the Data Visualization option upon completion of semester credits with a 2.0 GPA. First Year		
	Students are admitted to the Data Visualization option upon completion of semester credits with a 2.0 GPA. First Year First Term	Credits	
	Students are admitted to the Data Visualization option upon completion of semester credits with a 2.0 GPA. First Year		
	Students are admitted to the Data Visualization option upon completion of semester credits with a 2.0 GPA. First Year First Term	Credits	
	Students are admitted to the Data Visualization option upon completion of semester credits with a 2.0 GPA. First Year <i>First Term</i> CPT S 115, STAT 115, or CS 115 CPT S 121, 131, or CS 121	Credits 3	
	Students are admitted to the Data Visualization option upon completion of semester credits with a 2.0 GPA. First Year First Term CPT S 115, STAT 115, or CS 115 CPT S 121, 131, or CS 121 ENGLISH 101 [WRTG]	<i>Credits</i> 3 4 3	
	Students are admitted to the Data Visualization option upon completion of semester credits with a 2.0 GPA. First Year <i>First Term</i> CPT S 115, STAT 115, or CS 115 CPT S 121, 131, or CS 121	<i>Credits</i> 3 4	
	Students are admitted to the Data Visualization option upon completion of semester credits with a 2.0 GPA. First Year <i>First Term</i> CPT S 115, STAT 115, or CS 115 CPT S 121, 131, or CS 121 ENGLISH 101 [WRTG] MATH 171 [QUAN]	<i>Credits</i> 3 4 3 4	
	Students are admitted to the Data Visualization option upon completion of semester credits with a 2.0 GPA. First Year First Term CPT S 115, STAT 115, or CS 115 CPT S 121, 131, or CS 121 ENGLISH 101 [WRTG] MATH 171 [QUAN] Elective Second Term	Credits 3 4 3 4 1	
	Students are admitted to the Data Visualization option upon completion of semester credits with a 2.0 GPA. First Year First Term CPT S 115, STAT 115, or CS 115 CPT S 121, 131, or CS 121 ENGLISH 101 [WRTG] MATH 171 [QUAN] Elective Second Term CPT S 122, 132, or CS 122	<i>Credits</i> 3 4 3 4 <u>1</u> <i>Credits</i> 4	
	Students are admitted to the Data Visualization option upon completion of semester credits with a 2.0 GPA. First Year First Term CPT S 115, STAT 115, or CS 115 CPT S 121, 131, or CS 121 ENGLISH 101 [WRTG] MATH 171 [QUAN] Elective Second Term CPT S 122, 132, or CS 122 DTC 101 [ARTS]	<i>Credits</i> 3 4 3 4 <u>1</u> <i>Credits</i> 4 3	
	Students are admitted to the Data Visualization option upon completion of semester credits with a 2.0 GPA. First Year First Term CPT S 115, STAT 115, or CS 115 CPT S 121, 131, or CS 121 ENGLISH 101 [WRTG] MATH 171 [QUAN] Elective Second Term CPT S 122, 132, or CS 122 DTC 101 [ARTS] HISTORY 105 [ROOT]	<i>Credits</i> 3 4 3 4 <u>1</u> <i>Credits</i> 4	
	Students are admitted to the Data Visualization option upon completion of semester credits with a 2.0 GPA. First Year First Term CPT S 115, STAT 115, or CS 115 CPT S 121, 131, or CS 121 ENGLISH 101 [WRTG] MATH 171 [QUAN] Elective Second Term CPT S 122, 132, or CS 122 DTC 101 [ARTS]	<i>Credits</i> 3 4 3 4 <u>1</u> <i>Credits</i> 4 3	
	Students are admitted to the Data Visualization option upon completion of semester credits with a 2.0 GPA. First Year First Term CPT S 115, STAT 115, or CS 115 CPT S 121, 131, or CS 121 ENGLISH 101 [WRTG] MATH 171 [QUAN] Elective Second Term CPT S 122, 132, or CS 122 DTC 101 [ARTS] HISTORY 105 [ROOT]	<i>Credits</i> 3 4 3 4 <u>1</u> <i>Credits</i> 4 3 3	
	Students are admitted to the Data Visualization option upon completion option semester credits with a 2.0 GPA. First Year First Term CPT S 115, STAT 115, or CS 115 CPT S 121, 131, or CS 121 ENGLISH 101 [WRTG] MATH 171 [QUAN] Elective Second Term CPT S 122, 132, or CS 122 DTC 101 [ARTS] HISTORY 105 [ROOT] MATH 172	<i>Credits</i> 3 4 3 4 <u>1</u> <i>Credits</i> 4 3 3	
	Students are admitted to the Data Visualization option upon completion option semester credits with a 2.0 GPA. First Year First Term CPT S 115, STAT 115, or CS 115 CPT S 121, 131, or CS 121 ENGLISH 101 [WRTG] MATH 171 [QUAN] Elective Second Term CPT S 122, 132, or CS 122 DTC 101 [ARTS] HISTORY 105 [ROOT] MATH 172 Elective	<i>Credits</i> 3 4 3 4 <u>1</u> <i>Credits</i> 4 3 3	

DTC 201 [ARTS]	3	
MATH 220	2	
Social Sciences [SSCI]	3	
STAT 360	3	
Second Term	Credits	
Communication [COMM] or Written Communication [WRTG]	3	
CPT S 315 or CS 315	3	
DTC Requirement ¹	3	
Humanities [HUM]	3	
STAT 380	3	
Complete Writing Portfolio		
Third Year		
First Term	Credits	
Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI] ²	34	
<u>CPT S 451 or CS 351 CPT S 415 or CS 415</u>	3	
DTC Requirement ¹	3	
STAT 412, 423, or ECONS 311 [M]	3	
STAT 435 [M]	3	
Electives	3	
Second Term	Credits	
Biological Sciences [BSCI] or Physical Sciences [PSCI] (with lab) or SCIENCE 102 [SCI] ²	4	
CPT S 415 or CS 415 CPT S 451 or CS 351	3	
STAT 436	3	
STAT 437	3	
Electives	6	
Fourth Year		
First Term	Credits	
Diversity [DIVR]	3	
DTC Requirement ¹	3	
STAT 419	3	
Electives	6	
Second Term	Credits	
CPT S 424 [CAPS] [M], CS 424 [CAPS] [M], or STAT 424 [CAPS]		
[M]	3	
DTC Requirement ¹	3	
PHIL 450	3	
Electives	6	
1	1	

	 Footnotes DTC Requirement (4 courses): Approved courses include DTC 335, 336, 354, 355 [M], 433 [M] course may be needed to fulfill University requirements. ² To meet University and College of Arts and Sciences requirements, students must take a [B with lab and [PSCI] course with lab or SCIENCE 101 [SCI] and SCIENCE 102 [SCI]. SCI [SCI] is offered Fall semester and is a prerequisite for SCIENCE 102 [SCI]. SCIENCE 102 offered Spring semester. For a total of 7 credits – one Biological Sciences [BSCI] and one I 	SCI] course ENCE 101 [SCI] is	
Mathematics	Sciences [PSCI] course, including one lab course.		8-20
and Statistics Remove CAS requirements and revise	Data Analytics - Economics Option (120 Credits) Students are admitted to the Economics option upon completion of 24 credits with a 2.0 GPA.	semester	0-20
graduation requirements	First Year		
for Bachelor of Science in Data	First Term	Credits	
Analytics - Economics	CPT S 115 or STAT 115 CPT S 121 or 131	3	
Option	ENGLISH 101 [WRTG]	4 3	
	MATH 171 [QUAN]	4	
	Second Term	Credits	
	CPT S 122 or 132	4	
	ECONS 101 [SSCI]	3	
	HISTORY 105 [ROOT] MATH 172	3	
	Elective	4	
	Second Year		
	First Term	Credits	
	Biological Sciences [BSCI] or Physical Sciences [PSCI] (with lab) ¹	<u>3</u> _4	
	CPT S 215	3	
	ECONS 102 [SSCI] MATH 220	3 2	
	STAT 360	3	
	Second Term	Credits	
	Biological Sciences [BSCI] or Physical Sciences [PSCI] with lab ¹	3	
	Communication [COMM] or Written Communication [WRTG]	3	
	CPT S 315 ECONS 301	3	
	STAT 380	3 - <u>4</u> 3	
	Complete Writing Portfolio		
	Third Year		

	First TermCredits	
	Arts [ARTS] 3	
	<u>CPT S 451 <u>CPT S 415</u> 3</u>	
	Economics Elective ² 3	
	ECONS 302 3	
	ECONS 311 [M] 3	
	<u>STAT 435</u> <u>3</u>	
	Second Term Credits	
	<u>CPT S 415 CPT S 451</u> 3	
	Economics $\overline{\text{Electives}^2}$ 6	
	Humanities [HUM] 3	
	STAT 436 3	
	<u>STAT 437</u> <u>3</u>	
	Fourth Year	
	First TermCredits	
	Diversity [DIVR] 3	
	Economics Electives ² 36	
	Foreign Language, if needed, or Electives6	
	STAT 419 3	
	Electives 3	
	Second Term Credits	
	CPT S 424 [CAPS] [M] or STAT 424 [CAPS] [M] 3	
	Foreign Language, if needed, or Electives6	
	PHIL 450 3	
	STAT 443 ³ 3	
	<u>Electives</u> <u>6</u>	
	Footnotes	
	¹ To meet University and College of Arts and Sciences requirements, students must take a [BSCI] course	
	with lab and [PSCI] course with lab or SCIENCE 101 [SCI] and SCIENCE 102 [SCI]. SCIENCE 101 [SCI] is offered Fall semester and is a prerequisite for SCIENCE 102 [SCI]. SCIENCE 102 [SCI] is offered Spring semester. For a total of 7 credits – one Biological Sciences [BSCI] and one Physical Sciences [PSCI] course, including one lab course.	
	² Economics Electives (12 credits; minimum 9 credits at the 400 level): Approved courses include ECONS 321, 323, 324, 327, 424, 425, 426, 451, 452, and 490.	
	³ ECONS 525 can be substituted for STAT 443.	
Mathematics	Data Analytics - Life Sciences Option (120 Credits)	8-20
and Statistics Remove CAS	Students are admitted to the Life Sciences option upon completion of 24 semester	
requirements and revise graduation	credits with a 2.0 GPA.	
requirements		

for Bachelor of			
Science in Data			
Analytics - Life Sciences	First Term	Credits	
Option	CPT S 115 or STAT 115	3	
	CPT S 121 or 131	4	
	HISTORY 105 [ROOT]	3	
	MATH 171 [QUAN]	4	
	Elective	1	
	Second Term	Credits	
	CHEM 101 [PSCI]	4	
	CPT S 122 or 132	4	
	ENGLISH 101 [WRTG]	3	
	MATH 172	4	
	Second Year		
	First Term	Credits	
	BIOLOGY 106 [BSCI]	4	
	CPT S 215	3	
	MATH 220	2	
	Social Sciences [SSCI]	3	
	STAT 360	3	
	Second Term	Credits	
	BIOLOGY 107	<u>34</u>	
	CHEM 102	4	
	Communication [COMM] or Written Communication [WRTG]	3	
	CPT S 315	3	
	STAT 380	3	
	Complete Writing Portfolio		
	Third Year		
	First Term	Credits	
	Arts [ARTS]	3	
	BIOLOGY 301	<u>34</u>	
	<u>CPT S 451 CPT S 415</u>	3	
	Humanities [HUM]	3	
	STAT 412, 423, or ECONS 311 [M] ¹	3	
	<u>STAT 435 [M]</u>	<u>3</u>	
	Second Term	Credits	
	Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3	
	BIOLOGY 340	3	
	<u>CPT S 415 CPT S 451</u>	3	

	MBIOS 478	3	
	STAT 436	3	
	<u>STAT 437</u>	<u>3</u> <u>3</u>	
	Electives	<u>3</u>	
	Fourth Year		
	First Term	Credits	
	BIOLOGY 335	3	
	Communication [COMM] or Written Communication [WRTG]	<u>3</u>	
	Diversity [DIVR]	3	
	Foreign Language, if needed, or Electives	6	
	STAT 419	3	
	Electives	<u>6</u>	
	Second Term	Credits	
	BIOLOGY 474	4	
	CPT S 424 [CAPS] [M] or STAT 424 [CAPS] [M]	3	
	Diversity [DIVR]	<u>3</u>	
	Foreign Language, if needed, or Electives	4	
	PHIL 450	3	
	Electives	<u>3</u>	
	[No Footnote]		
Mathematics and Statistics	Data Analytics - Physical Sciences Option (120 Credits)		8-20
Remove CAS	Students are admitted to the Physical Sciences option upon comple	tion of 24	
requirements	semester credits with a 2.0 GPA.		
and revise			
graduation	D ² 4 X /		
requirements for Bachelor of	First Year		
Science in Data	First Term	Credits	
Analytics -	CPT S 115 or STAT 115	3	
Physical	CPT S 121 or 131	4	
Sciences Option	HISTORY 105 [ROOT]	3	
Sphon	MATH 171 [QUAN]	4	
	Second Term	Credits	
	CHEM 105 [PSCI]	4	
	CPT S 122 or 132	4	
	ENGLISH 101 [WRTG]	3	
	MATH 172	4	
	Second Year		
	First Term	Credits	
		Creans	

CPT S 215	3
MATH 220	2
MATH 273	2
PHYSICS 201	4
STAT 360	3
Elective	1
Second Term	Credits
CHEM 106	4
CPT S 315	3
PHYSICS 202	4
STAT 380	3
Elective	1
Complete Writing Portfolio	
Third Year	
First Term	Credits
Arts [ARTS]	3
CHEM 330 or Elective ¹	1
CHEM 331	3
Communication [COMM] or Written Comm	unication [WRTG] 3
<u>CPT S 451-CPT S 415</u>	3
STAT 412, 423, or ECONS 311 [M]	3
<u>STAT 435 [M]</u>	<u>3</u>
Second Term	Credits
CHEM 332	3
CHEM 333	1
<u>CPT S 415 <u>C</u>PT S 451</u>	3
Humanities [HUM]	3
Social Sciences [SSCI]	3
STAT 436	3
<u>STAT 437</u>	<u>3</u>
Fourth Year	
First Term	Credits
Biological Sciences [BSCI]	3
CHEM 334 [M]	2
Diversity [DIVR]	3
Foreign Language, if needed, or Electives	3 or 4
STAT 419	3
Electives	<u>3</u>
Second Term	Credits

	A the LADTEL Hannes the SHUDAL and so in LOCAL	2		
	Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3 3		
	CPT S 424 [CAPS] [M] or STAT 424 [CAPS] [M]			
	Foreign Language, if needed, or Electives PHIL 450	6 3		
	Electives	<u>9</u>		
	Footnotes ¹ The University requires a minimum of 40 credits at the 300-400 level. CHEM 330 is recommust be taken concurrently with CHEM 331.	nended, but		
Mathematics and Statistics	Data Analytics - Social Sciences Option (120 Credits)		8-20	
Remove CAS requirements and revise graduation	emove CAS quirements d revise Students are admitted to the Social Sciences option upon completion of 2			
requirements	First Year			
for Bachelor of	First Term	Credits		
Science in Data Analytics - Social Sciences	CPT S 115 or STAT 115	3		
	CPT S 121 or 131	4		
Option	HISTORY 105 [ROOT]	3		
	MATH 171 [QUAN]	4		
	Second Term	Credits		
	CPT S 122 or 132	4		
	ENGLISH 101 [WRTG]	3		
	MATH 172	4		
	SOC 101 [SSCI]	3		
	Elective	1		
	Second Year			
	First Term	Credits		
	Biological Sciences [BSCI] or Physical Sciences [PSCI]] with lab ¹	<u>3 4</u>		
	CPT S 215	3		
	MATH 220	2		
	PSYCH 105 [SSCI]	3		
	STAT 360	3		
	Elective	<u>1</u>		
	Second Term	Credits		
	Biological Sciences [BSCI] or Physical Sciences [PSCI] (with lab) ¹	4		
	CPT S 315	3		
	PHIL 101 [HUM] or 103 [HUM]	3		
	POL S 201	3		
	STAT 380	3		

Third Year	
First Term	Credits
Arts [ARTS]	3
Communication [COMM] or Written Communication [WRTC	3] 3
<u>CPT S 451 CPT S 415</u>	3
SOC 317 [M]	3
STAT 412, 423, or ECONS 311 [M] ²	3
<u>STAT 435 [M]</u>	<u>3</u>
Second Term	Credits
<u>CPT S 415 CPT S 451</u>	3
SOC 340 [DIVR]	3
Social Sciences Elective ³²	3
STAT 436	3
<u>STAT 437</u>	<u>3</u>
Electives	3
Fourth Year	
First Term	Credits
Foreign Language, if needed, or Electives	6
Social Sciences Electives ³²	6
STAT 419	3
Electives	<u>6</u>
Second Term	Credits
CPT S 424 [CAPS] [M] or STAT 424 [CAPS] [M]	3
Foreign Language, if needed, or Electives	9
PHIL 450	3
Electives	<u>9</u>