

**UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 5
SPRING 2021**

—REQUIREMENTS—

The requirements listed below reflect the undergraduate major curricular changes approved by the Catalog Subcommittee since approval of the last Undergraduate Major Change Bulletin. All changes are underlined. Deletions are crossed out. The column to the far right indicates the date each change becomes effective. Note: Items marked {S} have been streamlined and do not require Catalog Subcommittee review.

Dept	Proposed	Effective Date																																				
<p>Data Analytics New plan (major) Schedule of Studies for Bachelor of Science in Data Analytics</p> <p>Current Data Analytics Subplan (Tracks or Options) Schedules of Studies presented in catalog will be closed. These Tracks are being phased in as Concentrations in the new plan presented on this bulletin.</p>	<p>Data Analytics (120 Credits)</p> <p>Students are admitted to the Data Analytics major upon completion of 24 semester credits with a 2.0 cumulative GPA.</p> <p>First Year</p> <p><i>First Term</i></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">CPT S 121 or 131</td> <td style="text-align: right;"><i>Credits</i></td> </tr> <tr> <td>DATA 115</td> <td style="text-align: right;">4</td> </tr> <tr> <td>ENGLISH 101 [WRTG]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>MATH 171 [QUAN]</td> <td style="text-align: right;">3</td> </tr> <tr> <td></td> <td style="text-align: right;">4</td> </tr> <tr> <td><i>Second Term</i></td> <td style="text-align: right;"><i>Credits</i></td> </tr> <tr> <td>CPT S 122 or 132</td> <td style="text-align: right;">4</td> </tr> <tr> <td>HISTORY 105 [ROOT]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>MATH 172</td> <td style="text-align: right;">4</td> </tr> <tr> <td>Social Sciences [SSCI]</td> <td style="text-align: right;">3</td> </tr> </table> <p>Second Year</p> <p><i>First Term</i></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Biological Sciences [BSCI] or Physical Sciences [PSCI] (with lab)¹</td> <td style="text-align: right;"><i>Credits</i></td> </tr> <tr> <td>CPT S 215</td> <td style="text-align: right;">4</td> </tr> <tr> <td>MATH 220</td> <td style="text-align: right;">3</td> </tr> <tr> <td>STAT 360</td> <td style="text-align: right;">2</td> </tr> <tr> <td>Concentration Course²</td> <td style="text-align: right;">3</td> </tr> <tr> <td></td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Second Term</i></td> <td style="text-align: right;"><i>Credits</i></td> </tr> <tr> <td>Biological Sciences [BSCI] or Physical Sciences [PSCI]¹</td> <td style="text-align: right;">3</td> </tr> </table>	CPT S 121 or 131	<i>Credits</i>	DATA 115	4	ENGLISH 101 [WRTG]	3	MATH 171 [QUAN]	3		4	<i>Second Term</i>	<i>Credits</i>	CPT S 122 or 132	4	HISTORY 105 [ROOT]	3	MATH 172	4	Social Sciences [SSCI]	3	Biological Sciences [BSCI] or Physical Sciences [PSCI] (with lab) ¹	<i>Credits</i>	CPT S 215	4	MATH 220	3	STAT 360	2	Concentration Course ²	3		3	<i>Second Term</i>	<i>Credits</i>	Biological Sciences [BSCI] or Physical Sciences [PSCI] ¹	3	<p>8-21</p>
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Communication [COMM] or Written Communication [WRTG]	3
CPT S 315	3
STAT 380	3
Concentration Course ²	4
Complete Writing Portfolio	

Third Year

<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
CPT S 415	3
STAT 435 [M]	3
Concentration Course ²	6
<i>Second Term</i>	<i>Credits</i>
CPT S 451	3
STAT 437	3
Humanities [HUM]	3
Concentration Course ²	6

Fourth Year

<i>First Term</i>	<i>Credits</i>
Diversity [DIVR]	3
STAT 419	3
Electives or Concentration Course ²	6
DATA 498 Internship	3
<i>Second Term</i>	<i>Credits</i>
DATA 424 [CAPS] [M]	3
PHIL 450	3
Electives or Concentration Course ²	10

Footnotes

¹ For a total of 7 credits—one Biological Sciences [BSCI] and one Physical Sciences [PSCI] course, including one lab course.

² Concentration Courses (Typically: 21-24 credits): In consultation with their advisor, students are encouraged to select a concentration area that best meets their career objectives. Alternatively, students have the option to substitute an existing minor for a Data Analytics concentration. Course work needs to meet University requirements of 120 credits and 40 upper-division credits. Concentration courses include: **Actuarial:** ECONS 101, ECONS 102, FIN 325, FIN 350, MATH 405, STAT 443, STAT 446; [Optional recommendation but not required: B Law 210; Math 300]. **Agricultural:** BIOLOGY 106, SOIL SCI 201, SOE 204, SOIL SCI 368, SOIL SCI 468; Choose one of the following: - BIOLOGY 372 [M], SOE 101, SOE 110, or SOIL SCI 374. **Business:** ECONS 101, ECONS 311 [M] ACCT 230, MIS 250, MIS 372 [M]. Choose one pair from: FIN 325 & FIN 421 or FIN 325 & FIN 425 [M] or FIN 325 & FIN 427 [M] or MIS 325 & MIS 420 or MKTG 360 & MKTG 368. **Computation:** CPT S 223 or 233, CPT S 317, CPT S 322 [M], CPT_S 350, MATH 216, MATH 273, MATH 301, MATH 315 MATH 364, MATH 420; Choose one from: CPT_S 434, CPT_S 437, or CPT_S 440. Choose three from: CPT_S 411, CPT_S 471,

MATH 448, MATH 466. The Computation concentration requires 126 total credits. **Data Visualization:** DTC 101, DTC 201, Four of the following – DTC 335, DTC 336, DTC 354, DTC 355 [M], DTC 435, DTC 477, DTC 478. **Economics:** ECONS 101, ECONS 102, ECONS 301, ECONS 302; Choose three from: ECONS 311 [M], ECONS 321, ECONS 323, ECONS 324 [M], ECONS 327, ECONS 424, ECONS 425, ECONS 426, ECONS 451, ECONS, 452 [M], ECONS 490 [M], STAT 443. **Life Sciences:** BIOL 106, BIOL 107, CHEM 101 or CHEM 105, CHEM 102 or CHEM 106, BIOL 301. Choose one 300-400 level elective course. [Optional recommendation but not required: BIOL 335 [M], MBIOS 478, BIOL 474]. **Physical Sciences:** CHEM 105, CHEM 106, CHEM 331, CHEM 333, MATH 273, PHYSICS 201 (w/o L), PHYSICS 202 (w/o L). Choose one 300-400 level elective course. **Social Sciences:** SOC 101, POL S 201 or Soc 317, SOC 340, POL S 316. Choose three from: PSYCH 105, SOC 430, PSYCH 333, ED PSYCH 400, ED PSYCH 404, POLS 416, PHIL 350.