

SOCIAL DATA ANALYTICS, B.S.

Begin Campus: Any Penn State Campus

End Campus: University Park

Suggested Academic Plan

The suggested academic plan(s) listed on this page are the plan(s) that are in effect during the 2023-24 academic year. To access previous years' suggested academic plans, please visit the archive (<https://bulletins.psu.edu/undergraduate/archive/>) to view the appropriate Undergraduate Bulletin edition (*Note: the archive only contains suggested academic plans beginning with the 2018-19 edition of the Undergraduate Bulletin*).

Social Data Analytics, B.S. at University Park Campus

The course series listed below provides **only one** of the many possible ways to move through this curriculum. The University may make changes in policies, procedures, educational offerings, and requirements at any time. This plan should be used in conjunction with your degree audit (accessible in LionPATH as either an **Academic Requirements** or **What If** report). Please consult with a Penn State academic adviser on a regular basis to develop and refine an academic plan that is appropriate for you.

First Year

| Fall | Credits Spring | Credits |
|--|--|-----------|
| MATH 140 (GQ) ^{*†‡†} | 4 MATH 141 (GQ) ^{*†‡†} | 4 |
| CMPSC 131 [*] | 3 CMPSC 132 ^{*#} | 3 |
| PLSC 10 (GS) ^{*†} | 3 PLSC 309 ^{*#} | 3 |
| FYS (GH) | 3 IST 210 [*] | 3 |
| ENGL 15, 30H, 137H, CAS 137H, or ESL 15 (GWS) [†] | 3 CAS 100, CAS 100A, CAS 100B, CAS 100C, CAS 138T, or ENGL 138T (GWS) [†] | 3 |
| | 16 | 16 |

Second Year

| Fall | Credits Spring | Credits |
|-------------------------------------|-------------------------------------|-----------|
| MATH 220 [*] | 2 DS 220 [*] | 3 |
| STAT 184 | 2 CMPSC 360 [*] | 3 |
| CMPSC 221 [*] | 3 STAT 318 [*] | 3 |
| PLSC 1 (GS) (US) ^{*†} | 3 PLSC any level (WAC) [*] | 3 |
| PLSC 3, 7N, 14, or 17N [*] | 3 General Education Course (IL) | 3 |
| General Education Course | 3 | |
| | 16 | 15 |

Third Year

| Fall | Credits Spring | Credits |
|----------------------------------|---|-----------|
| DS 300, 310, or 330 [*] | 3 DS 300, 310, or 330 [*] | 3 |
| PLSC 400-level ^{*1} | 3 PLSC 400-level ^{*1} | 3 |
| STAT 380 [*] | 3 Advanced Analytics ^{*2} | 3 |
| SODA 308 [*] | 3 ENGL 202A, 202B, 202C, or 202D (GWS) [†] | 3 |
| General Education Course | 3 Ethics (GH) ^{*†3} | 3 |
| | 15 | 15 |

Fourth Year

| Fall | Credits Spring | Credits |
|-----------------------|-------------------------|---------|
| SODA 496 [*] | 3 SODA 496 [*] | 3 |

| | | |
|----------------------------------|---|-----------|
| DS 300, 310, or 330 [*] | 3 PLSC 400-level ^{*1} | 3 |
| PLSC 400-level ^{*1} | 3 Advanced Analytics ^{*2} | 3 |
| Advanced Analytics ^{*2} | 3 General Education Course [*] | 3 |
| General Education Course | 3 General Education Course (GHW) | 3 |
| | 15 | 15 |

Total Credits 123

- * Course requires a grade of C or better for the major
- ‡ Course requires a grade of C or better for General Education
- # Course is an Entrance to Major requirement
- † Course satisfies General Education and degree requirement

- ¹ Select 12 credits of PLSC 400-level courses; at least 9 credits must be data intensive from department list
- ² Select 9 credits of advanced analytics from department list
- ³ Select 3 credits of ethics from department list

University Requirements and General Education Notes:

US and IL are abbreviations used to designate courses that satisfy Cultural Diversity Requirements (United States and International Cultures).

W, M, X, and Y are the suffixes at the end of a course number used to designate courses that satisfy University Writing Across the Curriculum requirement.

General Education includes Foundations (GWS and GQ), Knowledge Domains (GHW, GN, GA, GH, GS) and Integrative Studies (Inter-domain) requirements. N or Q (Honors) is the suffix at the end of a course number used to help identify an Inter-domain course, but the inter-domain attribute is used to fill audit requirements. Foundations courses (GWS and GQ) require a grade of 'C' or better.

All incoming Schreyer Honors College first-year students at University Park will take ENGL 137H/CAS 137H in the fall semester and ENGL 138T/CAS 138T in the spring semester. These courses carry the GWS designation and replace both ENGL 30H and CAS 100. Each course is 3 credits.

Social Data Analytics, B.S. at Commonwealth Campuses

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First Year

| Fall | Credits Spring | Credits |
|--|--|-----------|
| MATH 140 (GQ) ^{*†##} | 4 MATH 141 (GQ) ^{*†##} | 4 |
| CMPSC 131 [*] | 3 CMPSC 132 ^{*#} | 3 |
| General Education Course | 3 General Education Course | 3 |
| FYS (GH) | 3 General Education Course (IL) | 3 |
| ENGL 15, 30H, 137H, CAS 137H, or ESL 15 (GWS) [‡] | 3 CAS 100, CAS 100A, CAS 100B, CAS 100C, CAS 138T, or ENGL 138T (GWS) [‡] | 3 |
| | 16 | 16 |

Second Year

| Fall | Credits Spring | Credits |
|----------------------------|---------------------------------------|-----------|
| MATH 220 [*] | 2 DS 220 [*] | 3 |
| STAT 184 | 2 CMPSC 360 [*] | 3 |
| CMPSC 221 [*] | 3 STAT 318 [*] | 3 |
| PLSC 309 ^{*#} | 3 PLSC 1 (GS)(US) ^{*†} | 3 |
| IST 210 [*] | 3 PLSC 3, 7N, 14, or 17N [*] | 3 |
| PLSC 10 (GS) ^{*†} | 3 | |
| | 16 | 15 |

Third Year

| Fall | Credits Spring | Credits |
|-----------------------------------|---|-----------|
| DS 300, 310, or 330 [*] | 3 DS 300, 310, or 330 [*] | 3 |
| PLSC 400-level ^{*1} | 3 PLSC 400-level ^{*1} | 3 |
| STAT 380 [*] | 3 Advanced Analytics ^{*2} | 3 |
| SODA 308 [*] | 3 ENGL 202A, 202B, 202C, or 202D (GWS) [‡] | 3 |
| PLSC any level (WAC) [*] | 3 Ethics (GH) ^{*†3} | 3 |
| | 15 | 15 |

Fourth Year

| Fall | Credits Spring | Credits |
|----------------------------------|---|-----------|
| SODA 496 [*] | 3 SODA 496 [*] | 3 |
| DS 300, 310, or 330 [*] | 3 PLSC 400-level ^{*1} | 3 |
| PLSC 400-level ^{*1} | 3 Advanced Analytics ^{*2} | 3 |
| Advanced Analytics ^{*2} | 3 General Education Course [*] | 3 |
| General Education Course | 3 General Education Course (GHW) | 3 |
| | 15 | 15 |

Total Credits 123

- * Course requires a grade of C or better for the major
- ‡ Course requires a grade of C or better for General Education
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