

DATA SCIENCES, B.S. (SCIENCE)

Seven Penn State campuses are scheduled for closure after Spring 2027: DuBois, Fayette, New Kensington, Mont Alto, Shenango, Wilkes-Barre, and York. New students are not being admitted at these campuses.

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 2026-27 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.

Statistical Modeling Data Sciences: Data Sciences, 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*	4 MATH 141*	4
PSU 16	1 MATH 220*	3
CMPSC 131*	3 CMPSC 132*	3
DS 200*	4 ENGL 15 (GWS)†	3
STAT 184*	3 General Education Course (Inter-Domain)	3
	15	16

Second Year

Fall	Credits Spring	Credits
MATH 230*	4 STAT 462*	3
CAS 100 (GWS)†	3 STAT 414*	3
DS 220*	3 MATH 311W or CMPSC 360*	3
STAT 380*	3 IL Course	3
General Education Course (GS)	3 General Education Course (Inter-Domain)	3
	16	15

Third Year

Fall	Credits Spring	Credits
STAT/MATH 415*	3 DS 310 or CMPSC 448*	3
DS 435*	3 STAT 440*	3
List B Selection*	3 CMPSC 465 or DS 305* ¹	3
US Course	3 List A Selection*	3
General Education Course (Exploration)	3 General Education Course (GN)	3

	General Education Course (GHW)	1.5
	15	16.5
Fourth Year		
Fall	Credits Spring	Credits
DS 340W*	3 DS 440*	3
ENGL 202C (GWS)†	3 General Education Course (GH)	3
List A Selection*	3 General Education Course (GHW)	1.5
General Education Course (GA)	3 General Education Course (Exploration)	3
General Education Course (GN)	3 Elective	3
	15	13.5

Total Credits 122

* 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 C or better required and required as a prerequisite for DS 440. For those who enter the major before changes, we will take it as a List B class.

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 satisfy a portion of that General Education requirement. If the student's program prescribes GWS these courses will replace both ENGL 15/ENGL 30H and CAS 100A/CAS 100B/CAS 100C. Each course is 3 credits.

Advising Notes:

- Depending on your year of entrance, total credits required may be different. Please consult an adviser to make sure you are satisfying the degree requirement and total credits adds up to the required amount.
- Classes that listed under US and IL must be unique so that total credits adds up to what's needed. That is, if these classes are in either GN, GA, GS, GH, GHW or Exploration, you will need more credits to meet the total.

- List A Courses (6 credits required from this list):
 - MATH 435
 - MATH 436 or MATH 441
 - MATH 451 or MATH 455
 - MATH 484
 - MATH 416/STAT 416
 - STAT 461
 - STAT 463
 - STAT 466
 - STAT 483
- List B Courses (6 credits required from this list):
 - DS 320
 - DS 330
 - DS 410
 - DS 402
 - IST 461
 - CMPSC 442
 - CMPSC 465

Statistical Modeling Data Sciences: Data Sciences, B.S. at Commonwealth Campuses

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First Year

Fall	Credits Spring	Credits
MATH 140 ^{*†‡}	4 MATH 141 ^{*†‡}	4
STAT 200 or DS 200 ^{*†}	4 STAT 184 (DLC section) [*]	3
PSU 16	1 CMPSC 122 or 132 ^{*†}	3
CMPSC 121 or 131 ^{*†}	3 General Education Course (Inter-Domain)	3
ENGL 15 [‡]	3 General Education Course (GS)	3
	15	16

Second Year

Fall	Credits Spring	Credits
MATH 220 ^{*†}	3 STAT 414 [*]	3
MATH 230 [*]	4 ENGL 202C (GWS) [‡]	3
CAS 100A (GWS) [‡]	3 IL Course	3
General Education Course (GH)	3 General Education Course (Inter-Domain)	3
General Education Course (GN)	3 General Education Course (GN)	3
	General Education Course (GHW)	1.5
	16	16.5

Third Year

Fall	Credits Spring	Credits
DS 220 [*]	3 DS 310 or CMPSC 448 [*]	3
STAT 380 [*]	3 CMPSC 465 or DS 305 ^{*1}	3
STAT 415 [*]	3 DS 435 [*]	3
STAT 462 [*]	3 List A Selection	3
MATH 311W or CMPSC 360 [*]	3 General Education Course (Exploration)	3
	15	15

Fourth Year

Fall	Credits Spring	Credits
DS 340W [*]	3 DS 440 [*]	3
STAT 440 [*]	3 List B Selection	3
List A Selection [*]	3 General Education Course (GHW)	1.5
US Course	3 General Education Course (Exploration)	3
General Education Course (GA)	3 Elective	3
	15	13.5

Total Credits 122

[‡] 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

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 - MATH 416/STAT 416
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 - DS 410
 - DS 402
 - IST 461
 - CMPSC 442
 - CMPSC 465

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