

COMPUTER SCIENCE, B.S. (ENGINEERING)

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: Beaver, Brandywine, Hazleton, 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.

Computer Science, 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
CMPSC 121 or 131 ^{*†‡}	3 CMPSC 122 or 132 ^{*‡}	3
CMPSC 150N [*]	3 MATH 141 (GQ) ^{*†‡‡}	4
MATH 140 (GQ) ^{*†‡‡}	4 PHYS 211 (GN) ^{*‡†}	4
ENGL 15 (GWS) [†]	3 General Education Course	3
General Education Course	3 First-Year Seminar	1
	16	15

Second Year

Fall	Credits Spring	Credits
CMPSC 221 [*]	3 CMPSC 222 [*]	3
MATH 230	4 CMPSC 360 [*]	3
MATH 220	2-3 CMPEN 270 [*]	4
PHYS 212 (GN) ^{*†}	4 Natural Science (GN) Elective	2-3
CAS 100A or 100B (GWS) ^{††}	3 General Education Course	3-4
	16-17	15-17

Third Year

Fall	Credits Spring	Credits
CMPSC 315 [*]	4 CMPSC 316 [*]	4
CMPSC 320 [*]	3 CMPSC 461 [*]	3
CMPSC 465 [*]	3 STAT 319	3
STAT 318	3 ENGL 202C (GWS) ^{††}	3
General Education Course	3 General Education Course	3
	16	16

Fourth Year

Fall	Credits Spring	Credits
CMPSC 483W [*]	3 CMPSC/CMPEN 400-Level Elective ¹	3
CMPSC/CMPEN 400-Level Elective ¹	3 CMPSC/CMPEN 400-Level Elective ¹	3
CMPSC/CMPEN 400-Level Elective ¹	3 CMPSC/CMPEN 400-Level Elective ¹	3
CMPSC/CMPEN 400-Level Elective ¹	3 General Elective (Department List) ²	3
General Elective (Department List) ²	3 General Education Course	3
General Education Course (GHW)	1.5 General Education Course (GHW)	1.5
	16.5	16.5

Total Credits 127-130

* 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 These electives are to be chosen from lists provided in the Computer Science Undergrad Handbook.

² The "department list" general elective may include ROTC credits, co-op credits, and other credits as specified in the Computer Science Undergrad Handbook.

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.

Computer Science, B.S. at Beaver Campus

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First Year

Fall	Credits Spring	Credits
CMPSC 121 or 131 ^{*†‡}	3 CMPSC 122 or 132 ^{*#}	3
CMPSC 150N [*]	3 MATH 141 (GQ) ^{*†‡†}	4
MATH 140 (GQ) ^{*†‡†}	4 PHYS 211 (GN) ^{*#†}	4
ENGL 15 (GWS) [†]	3 General Education Course	3
General Education Course	3 First-Year Seminar	1
16		15

Second Year

Fall	Credits Spring	Credits
CMPSC 221 [*]	3 CMPSC 222 [*]	3
MATH 230	4 CMPSC 360 [*]	3
MATH 220	2-3 CMPEN 270 [*]	4
PHYS 212 (GN) ^{*†}	4 Natural Science (GN) Elective	2-3
CAS 100A or 100B (GWS) ^{††}	3 General Education Course	3-4
16-17		15-17

Third Year

Fall	Credits Spring	Credits
CMPSC 315 [*]	4 CMPSC 316 [*]	4
CMPSC 320 [*]	3 CMPSC 461 [*]	3
CMPSC 465 [*]	3 STAT 319	3
STAT 318	3 ENGL 202C (GWS) ^{††}	3
General Education Course	3 General Education Course	3
16		16

Fourth Year

Fall	Credits Spring	Credits
CMPSC 483W [*]	3 CMPSC/CMPEN 400-Level Elective ¹	3
CMPSC/CMPEN 400-Level Elective ¹	3 CMPSC/CMPEN 400-Level Elective ¹	3
CMPSC/CMPEN 400-Level Elective ¹	3 CMPSC/CMPEN 400-Level Elective ¹	3
CMPSC/CMPEN 400-Level Elective ¹	3 General Elective (Department List) ²	3
General Elective (Department List) ²	3 General Education Course	3
General Education Course (GHW)	1.5 General Education Course (GHW)	1.5
16.5		16.5

Total Credits 127-130

† Course satisfies General Education and degree requirement

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Computer Science, B.S. at Brandywine Campus

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First Year

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CMPSC 121 or 131 ^{*†‡}	3 CMPSC 122 or 132 ^{*#}	3
CMPSC 150N [*]	3 MATH 141 (GQ) ^{*†‡}	4
MATH 140 (GQ) ^{*†‡}	4 PHYS 211 (GN) ^{*#†}	4
ENGL 15 (GWS) [†]	3 General Education Course	3
General Education Course	3 First-Year Seminar	1
16		15

Second Year

Fall	Credits Spring	Credits
CMPSC 221 [*]	3 CMPSC 222 [*]	3
MATH 230	4 CMPSC 360 [*]	3
MATH 220	2-3 CMPEN 270 [*]	4
PHYS 212 (GN) ^{*†}	4 Natural Science (GN) Elective	2-3
CAS 100A or 100B (GWS) ^{†‡}	3 General Education Course	3-4
16-17		15-17

Third Year

Fall	Credits Spring	Credits
CMPSC 315 [*]	4 CMPSC 316 [*]	4
CMPSC 320 [*]	3 CMPSC 461 [*]	3
CMPSC 465 [*]	3 STAT 319	3
STAT 318	3 ENGL 202C (GWS) ^{†‡}	3
General Education Course	3 General Education Course	3
16		16

Fourth Year

Fall	Credits Spring	Credits
CMPSC 483W [*]	3 CMPSC/CMPEN 400-Level Elective ¹	3
CMPSC/CMPEN 400-Level Elective ¹	3 CMPSC/CMPEN 400-Level Elective ¹	3
CMPSC/CMPEN 400-Level Elective ¹	3 CMPSC/CMPEN 400-Level Elective ¹	3
CMPSC/CMPEN 400-Level Elective ¹	3 General Elective (Department List) ²	3
General Elective (Department List) ²	3 General Education Course	3
General Education Course (GHW)	1.5 General Education Course (GHW)	1.5
16.5		16.5

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Fall	Credits Spring	Credits
CMPSC 121 or 131 ^{*†‡}	3 CMPSC 122 or 132 ^{*#}	3
CMPSC 150N [*]	3 MATH 141 (GQ) ^{*†‡†}	4
MATH 140 (GQ) ^{*†‡†}	4 PHYS 211 (GN) ^{*#†}	4
ENGL 15 (GWS) [†]	3 General Education Course	3
General Education Course	3 First-Year Seminar	1
16		15

Second Year

Fall	Credits Spring	Credits
CMPSC 221 [*]	3 CMPSC 222 [*]	3
MATH 230	4 CMPSC 360 [*]	3
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Fall	Credits Spring	Credits
CMPSC 315 [*]	4 CMPSC 316 [*]	4
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CMPSC 465 [*]	3 STAT 319	3
STAT 318	3 ENGL 202C (GWS) ^{††}	3
General Education Course	3 General Education Course	3
16		16

Fourth Year

Fall	Credits Spring	Credits
CMPSC 483W [*]	3 CMPSC/CMPEN 400-Level Elective ¹	3
CMPSC/CMPEN 400-Level Elective ¹	3 CMPSC/CMPEN 400-Level Elective ¹	3
CMPSC/CMPEN 400-Level Elective ¹	3 CMPSC/CMPEN 400-Level Elective ¹	3
CMPSC/CMPEN 400-Level Elective ¹	3 General Elective (Department List) ²	3
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