

SYSTEMS NEUROSCIENCE, B.S.

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.

Systems Neuroscience, 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
BIOL 161 (General Education Course, GN) [†]	3	BIOL 163 (General Education Course, GN) [†]	3
BIOL 162	1	BIOL 164	1
CHEM 110	3	BBH 203/PSYCH 260 [*]	3
PSYCH 100 (General Education Course, GS) [†]	3	General Education Course (GWS) (CAS 100A, 100B, 100C, ENGL/CAS 138T recommended) [‡]	3
General Education Course (GWS) (ENGL 15, ENGL 30H, ESL 15, ENGL/CAS 137H recommended) [‡]	3	MATH 140B (General Education Course, GQ) ^{*††}	4
First-Year Seminar	1-2		
	14-15		14

Second Year

Fall	Credits	Spring	Credits
BIOL 110H, 114 <i>and</i> 115, or 114 <i>and</i> 116 (General Education Course, GN) ^{*†}	4-5	Basic Science ¹	3
STAT 200 (General Education Course, GQ) ^{*††}	4	BIOL 230M, 234 <i>and</i> 235W, 234 <i>and</i> 236W, 240M, 244 <i>and</i> 245W, or 244 <i>and</i> 246W	4-5
BBH 301W	3	STAT 184	3
General Education Course (GA)	3	General Education Course (Integrative Studies: Inter-Domain)	3
		CHEM 202 or 210	3
	14-15		16-17

Third Year

Fall	Credits	Spring	Credits
General Education Course (GWS) (ENGL 202A, 202B, 202C, or 202D (202A recommended) [‡]	3	BBH 210	3
Additional neuroscience course ²	3	PHYS 251	4
BBH/BIOL 469 [*]	3	University Wide Offerings ³	3
PHYS 250	4	Additional neuroscience course ²	3
BBH 368 [*]	3	BBH 468 [*]	3
	16		16

Fourth Year

Fall	Credits	Spring	Credits
General Education Course (Exploration)	3	General Education Course (GH)	3
Additional neuroscience course ²	3	General Education Course (GHW)	3
Basic Science ¹	3	Additional neuroscience course ²	3
BBH 451 [*]	3	BBH/BIOL 470 [*]	3
General Education Course (Integrative Studies: Inter-Domain)	3	University Wide Offerings ³	3
	15		15

Total Credits 120-123

* 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 Basic Science: ANSC 415, ANTH 21, BIOL 129, BIOL 155, BIOL 220M, BIOL 224, BIOL 225W, BIOL 226W, BIOL 230M, BIOL 234, BIOL 235W, BIOL 236W, BIOL 240M, BIOL 244, BIOL 245W, BIOL 246W, BIOL 409, BIOL 479, BMB 251, CHEM 111, CHEM 112, CHEM 113, CHEM 203 or CHEM 212, CHEM 213, CMPSC 100, CMPSC 102, FDSC 404, FDSC 406W, FDSC 407, MICRB 106, MICRB 107, MICRB 201, MICRB 202, PSYCH 460, PSYCH 470, STAT 240, STAT 300, STAT 380, VBSC 211, VBSC 230

² Additional neuroscience courses: BBH 204, BBH 410, BBH 432, BBH 475H, BBH 494, BBH 426, BMB 400, BME 406, BME 437, CSD 431, CSD 497A, KINES 360, KINES 465, NUTR 460, PSYCH 455

³ University wide offerings: Choose in consultation with adviser.

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.

Systems Neuroscience, B.S. at Commonwealth Campuses

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First Year

Fall	Credits	Spring	Credits
BIOL 161 (General Education Course, GN) [†]	3	BIOL 163 (General Education Course, GN) [†]	3
BIOL 162	1	BIOL 164	1
CHEM 110	3	General Education Course (GWS) (CAS 100A, 100B, 100C, ENGL/CAS 138T recommended) [‡]	3
PSYCH 100 (General Education Course, GS) [†]	3	MATH 140B or STAT 200 (General Education Course, GQ) ^{*††}	4
General Education Course (GWS) (ENGL 15, ENGL 30H, ESL 15, ENGL/CAS 137H recommended) [‡]	3	General Education Course (Exploration)	3
General Education Course (Integrative Studies: Inter-Domain)	3		
First Year Seminar or First Year Experience	0-1		
		16-17	14

Second Year

Fall	Credits	Spring	Credits
General Education Course (GWS) (ENGL 202A, 202B, 202C, or 202D (202A recommended) [‡]	3	Basic Science ¹	3
STAT 200 or MATH 140B (General Education Course, GQ) ^{*††}	4	General Education Course (Inter-Domain)	3
General Education Course (GHW)	3	General Education Course (GH)	3
General Education Course (GA)	3	University Wide Offerings ³	3
		Basic Science ¹	3
		13	15

Third Year

Fall	Credits	Spring	Credits
BIOL 110 (General Education Course, GN) ^{*†}	4	BBH 210	3
Additional neuroscience course ²	3	PHYS 251	4
BBH 203 or PSYCH 260 [*]	3	BIOL 230W, 230M, 240W, or 240M	4
PHYS 250	4	Additional neuroscience course ²	3

BBH 368 [*]	3	BBH 468 [*]	3
		17	17

Fourth Year

Fall	Credits	Spring	Credits
BBH/BIOL 469 [*]	3	University Wide Offerings ³	3
Additional neuroscience course ²	3	BBH 301W	3
CHEM 202 or 210	3	Additional neuroscience course ²	3
BBH 451 [*]	3	BBH/BIOL 470 [*]	3
STAT 184	3	University Wide Offerings ³	3
		15	15

Total Credits 122-123

* 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 Basic Science: ANSC 415, ANTH 21, BIOL 129, BIOL 155, BIOL 230W or BIOL 230M or BIOL 240M or BIOL 240W, BIOL 409, BIOL 479, BMB 251, CHEM 111, CHEM 112, CHEM 113, CHEM 203 or CHEM 212, CHEM 213, CMPSC 100, CMPSC 102, FDSC 404, FDSC 406W, FDSC 407, MICRB 106, MICRB 107, MICRB 201, MICRB 202, PSYCH 460, PSYCH 470, STAT 240, STAT 300, STAT 380, VBSC 211, VBSC 230

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