

NUCLEAR ENGINEERING, 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 2020-21 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 contain suggested academic plans beginning with the 2018-19 edition of the Undergraduate Bulletin*).

Nuclear Engineering, 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.

If you are starting at a campus other than the one this plan is ending at, please refer to: <http://advising.engr.psu.edu/degree-requirements/academic-plans-by-major.aspx>

First Year

Fall	Credits Spring	Credits
CHEM 110 (GN) ^{**†}	3 ENGL 15, 30H, or ESL 15 (GWS) ^{††}	3
CHEM 111 (GN)	1 MATH 141 or 141E (GQ) ^{*†#†}	4
ECON 102 or 104 (GS) [†]	3 PHYS 211 (GN, PHYSICS 211L & PHYSICS 211R) ^{*#†}	4
EDSGN 100 ^{*#}	3 First Year Seminar [†]	1
MATH 140 or 140E (GQ) ^{*†#†}	4 General Education Course [†]	3
General Education Course [†]	3 General Education Course (GHW) [†]	1.5
	17	16.5

Second Year

Fall	Credits Spring	Credits
CMPSC 201 (CMPSC 200 acceptable)	3 EMCH 212	3
EMCH 211	3 EMCH 213 or 213D	3
MATH 251 [*]	4 MATH 230	4
PHYS 212 (GN, PHYSICS 212L & PHYSICS 212R) ^{*†}	4 ME 300	3
General Education Course [†]	3 PHYS 214	2
	General Education Course (GHW) [†]	1.5
	17	16.5

Third Year

Fall	Credits Spring	Credits
CAS 100A or 100B (GWS) ^{††}	3 EE 212	3
ME 320	3 EMCH 315	2
NUCE 301 [*]	4 EMCH 316	1

NUCE 309 [*]	3 ME 410	3
NUCE 310W	2 NUCE 302 [*]	4
	NUCE 450 [*]	3
	15	16

Fourth Year

Fall	Credits Spring	Credits
ENGL 202C (GWS) ^{††}	3 NUCE 431W	4
NUCE 403	3 General Technical Elective (GTE)	3
NUCE 430 [*]	3 Nuclear Engineering Elective (NETE)	3
NUCE 451	3 General Education Course [†]	3
Nuclear Engineering Elective (NETE)	3 General Education Course [†]	3
	15	16

Total Credits 129

- * 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

University Requirements and General Education Notes:

US and IL are abbreviations used to designate courses that satisfy University 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.

GWS, GQ, GHW, GN, GA, GH, and GS are abbreviations used to identify General Education program courses. General Education includes Foundations (GWS and GQ) and Knowledge Domains (GHW, GN, GA, GH, GS, and Integrative Studies). Foundations courses (GWS and GQ) require a grade of 'C' or better.

Integrative Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

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.

College Notes:

- **General Technical Elective (GTE):** Select from NUCE program lists. Students who complete the ROTC Program may substitute 3 ROTC credits for the GHW requirement and 3 ROTC credits for the GTE requirement. Students who complete three co-op rotations may substitute 3 co-op credits for the GTE requirement.
- **Health and Physical Activity Elective:** Students who complete the ROTC Program may substitute 3 ROTC credits for the GHW requirement and 3 ROTC credits for the GTE requirement.
- **Nuclear Engineering Elective (NETE):** Select from NUCE program lists.
- **These courses offered at University Park in fall semester only:**

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- NUCE 301
- NUCE 309
- NUCE 310W
- NUCE 403
- NUCE 430
- NUCE 451
- ***These courses offered at University Park in spring semester only:***
 - NUCE 302
 - NUCE 431W
 - NUCE 450