



Finish in 4 Curricular Plan Engineering Physics BS



A Finish in 4 Curricular Plan provides a roadmap for completing this academic program and the UB Curriculum in four years. Your actual plan may vary depending on point of entry to the university, course placement and/or waivers based on standardized test scores, earned alternative credit and/or college transfer credit.

All students are encouraged to use this plan in conjunction with other academic planning resources such as your academic advisor, the hUB Academic Advisement Report, My Planner and Path Finder tool.

In addition to following this course roadmap, all other admission and academic requirements of this major as listed in the Undergraduate Catalog must be met in order to successfully complete this degree.

| First Year – Fall Semester | | |
|----------------------------|-----------|----------|
| Course | Category | Credit |
| MTH 141 | M/MQR | 4 |
| CHE 107 | M/SLI 1 | 4 |
| EAS 199 | M/UBS | 3 |
| PHY 107 | M/SLI 2 | 4 |
| Pathway or ENG 105 | P or CL 1 | 3 or 4 |
| | | |
| <i>Total Credits:</i> | | 18 or 19 |

| First Year – Spring Semester | | |
|------------------------------|-----------|----------|
| Course | Category | Credit |
| MTH 142 | M | 4 |
| EE 178 | M/P | 4 |
| EAS 202 | M | 1 |
| PHY 108 | M | 4 |
| Pathway or ENG 105 | P or CL 1 | 3 or 4 |
| PHY 158 | M | 1 |
| <i>Total Credits:</i> | | 17 or 18 |

| Second Year – Fall Semester | | |
|-----------------------------|----------|--------|
| Course | Category | Credit |
| MTH 306 | M | 4 |
| EE 202 | M | 3 |
| MTH 241 | M | 4 |
| Technical Elective | M | 3 |
| Pathway | P | 3 |
| <i>Total Credits:</i> | | 17 |

| Second Year – Spring Semester | | |
|-------------------------------|----------|--------|
| Course | Category | Credit |
| MTH 418 | M | 4 |
| EAS 230 | M | 3 |
| PHY 207 | M | 4 |
| PHY 257 | M | 1 |
| EAS 240 | M | 3 |
| <i>Total Credits:</i> | | 15 |

| Third Year – Fall Semester | | |
|----------------------------|-----------------|---------------|
| <i>Course</i> | <i>Category</i> | <i>Credit</i> |
| EE 310 | M | 3 |
| EE 352 | M | 3 |
| PHY 208 | M | 3 |
| PHY 301 | M | 3 |
| PHY 401 | M | 3 |
| Pathway | P | 3 |
| <i>Total Credits:</i> | | 18 |

| Third Year – Spring Semester | | |
|--------------------------------|-----------------|---------------|
| <i>Course</i> | <i>Category</i> | <i>Credit</i> |
| EE 311 | M | 3 |
| EE 353 | M | 3 |
| PHY 402 | M | 3 |
| PHY 307 | M | 2 |
| Pathway and Diversity Learning | P/DL* | 3 |
| EAS 360 | M/CL 2 | 3 |
| <i>Total Credits:</i> | | 17 |

| Fourth Year – Fall Semester | | |
|-----------------------------|-----------------|---------------|
| <i>Course</i> | <i>Category</i> | <i>Credit</i> |
| MAE 335 | M | 3 |
| PHY 403 | M | 3 |
| PHY 405 | M | 3 |
| Technical Elective | M | 3 |
| <i>Total Credits:</i> | | 12 |

| Fourth Year – Spring Semester | | |
|-------------------------------|-----------------|---------------|
| <i>Course</i> | <i>Category</i> | <i>Credit</i> |
| EE 494 | M | 3 |
| PHY 404 | M | 3 |
| PHY 407 or PHY 408 | M | 3 |
| EE 336 | M/P | 3 |
| UBC 399 | CAP | 1 |
| <i>Total Credits:</i> | | 13 |

| | |
|---|------------|
| Total Credits Required for Degree: | 128 |
|---|------------|

*Approved Diversity Learning course if not met through approved major, elective, or UBC course.

Category Legend:

M = Course Required for Major (including pre-requisites needed for admission to the major)

E = Elective (course not required for major or UB Curriculum)

The following are all components of the UB Curriculum (UBC) For more information on the UBC and course options visit: <https://catalog.buffalo.edu/policies/ubcurriculum.html>

- UBS = UB Seminar
- CL1/CL 2 = Communication Literacy (2 required)
- CAP = UB Capstone
- DL = Diversity Learning
- GP1/GP2/GP3 = Global Pathway Course (3 required)
- MQR = Math and Quantitative Reasoning
- SLI1/SLI2 = Scientific Literacy and Inquiry (2 required)
- TP1/TP2/TP3 = Thematic Pathway Course (3 required)

Note: Some classes may count toward both a major (M) and UB Curriculum (UBC) requirement. Courses that count towards more than one requirement are indicated by a "/" (slash) in the category column indicating which categories the course will satisfy.