



## Finish in 4 Curricular Plan 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.

| Freshman Year – Fall Semester |          |        |
|-------------------------------|----------|--------|
| Course                        | Category | Credit |
| UB Seminar                    | UBS      | 3      |
| CHE 101                       | M        | 5      |
| MTH 141                       | M/MQR    | 4      |
| PHY 107/PHY 117               | M/SLI 1  | 4      |
|                               |          |        |
|                               |          |        |
|                               |          |        |
| <i>Total Credits:</i>         |          | 16     |

| Freshman Year – Spring Semester |          |        |
|---------------------------------|----------|--------|
| Course                          | Category | Credit |
| MTH 142                         | M        | 4      |
| PHY108/PH118                    | M/SLI 2  | 4      |
| PHY158                          | M/SLI 2  | 1      |
| CHE 102                         | M        | 5      |
| Commun. Literacy 1              | CL1      | 4      |
|                                 |          |        |
|                                 |          |        |
|                                 |          |        |
| <i>Total Credits:</i>           |          | 18     |

| Sophomore Year – Fall Semester |          |        |
|--------------------------------|----------|--------|
| Course                         | Category | Credit |
| MTH 241                        | M        | 4      |
| MTH 306                        | M        | 4      |
| PHY 208                        | M        | 3      |
| Global Integ. Cluster          | GP1      | 3      |
| Them. Integr. Cluster          | TP1      | 3      |
|                                |          |        |
|                                |          |        |
|                                |          |        |
| <i>Total Credits:</i>          |          | 17     |

| Sophomore Year – Spring Semester |          |        |
|----------------------------------|----------|--------|
| Course                           | Category | Credit |
| MTH 418                          | M        | 4      |
| PHY 207                          | M        | 4      |
| PHY 257                          | M        | 1      |
| Global Integ. Cluster            | GP2      | 3      |
| Them. Integr. Cluster            | TP2      | 3      |
|                                  |          |        |
|                                  |          |        |
|                                  |          |        |
| <i>Total Credits:</i>            |          | 15     |

| Junior Year – Fall Semester |          |        |
|-----------------------------|----------|--------|
| Course                      | Category | Credit |
| MTH 417                     | M        | 4      |
| PHY 301                     | M        | 3      |
| PHY 401                     | M        | 3      |
| Commun. Literacy 2          | CL2      | 3      |
|                             |          |        |
|                             |          |        |
|                             |          |        |
| <i>Total Credits:</i>       |          | 13     |

| Junior Year – Spring Semester |          |        |
|-------------------------------|----------|--------|
| Course                        | Category | Credit |
| PHY 302                       | M        | 3      |
| PHY 307                       | M        | 2      |
| PHY 402                       | M        | 3      |
| Them. Integr. Cluster         | TP 3     | 3      |
| Global Integ. Cluster         | GP3      | 3      |
|                               |          |        |
|                               |          |        |
|                               |          |        |
| <i>Total Credits:</i>         |          | 14     |

| Senior Year – Fall Semester         |          |        |
|-------------------------------------|----------|--------|
| Course                              | Category | Credit |
| PHY 403                             | M        | 3      |
| PHY 405                             | M        | 3      |
| Physics Elective                    | M        | 3      |
| PHY 407 (or 408 spr)                | M        | 3      |
| open elective or Diversity learning | E/DL     | 3      |
|                                     |          |        |
|                                     |          |        |
|                                     |          |        |
| <i>Total Credits:</i>               |          | 15     |

| Senior Year – Spring Semester |          |        |
|-------------------------------|----------|--------|
| Course                        | Category | Credit |
| PHY 404                       | M        | 3      |
| Technical Elective            | M        | 3      |
| Physics Elective              | M        | 3      |
| Integrative Capstone          | CAP      | 1      |
| open elective                 | E        | 2      |
|                               |          |        |
|                               |          |        |
|                               |          |        |
| <i>Total Credits:</i>         |          | 12     |

|   |     |
|---|-----|
| <b>Total Credits Required for Degree:</b> | 120 |
|---|-----|

**Category Legend:**

**CAP** - UB Capstone

**CL1/CL 2** - Communication Literacy 1/2

**DL** - Diversity Learning

**E** - Elective (not required for major or UB Curriculum)

**GP1/GP2/GP3** - Global Pathway Course 1/2/3

**M** - Major requirement (including pre-requisites needed for admission to the major)

**MQR** - Math and Quantitative Reasoning

**SLI1/SLI2** - Scientific Literacy and Inquiry 1/2

**TP1/TP2/TP3** - Thematic Pathway Course 1/2/3

**UBS** - UB Seminar



