



## Curricular Plan Physics BS/MS

The plan below provides a roadmap for completing this academic program and the UB Curriculum within x 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 per the Undergraduate Catalog) must be met in order to successfully complete this degree.

First Year – Fall Semester		
Course	Category	Credit
UB Seminar	UBS	3
CSE 115	M	4
MTH 141	M/MQR	4
PHY 107/PHY 117	M/SLI 1	4
<i>Total Credits:</i>		15

First Year – Spring Semester		
Course	Category	Credit
CSE 116	M	4
MTH 142	M	4
PHY108/PH118	M/SLI 2	4
PHY158	M/SLI 2	1
Commun. Literacy 1	CL1	4
<i>Total Credits:</i>		17

Second Year – Fall Semester		
Course	Category	Credit
CSE/MTH 191	M	4
MTH 241	M	4
MTH 306	M	4
PHY 208	M	3
Global Integr. Cluster	GP1	3
<i>Total Credits:</i>		18

Second Year – Spring Semester		
Course	Category	Credit
CSE 250	M	4
PHY 207	M	4
PHY 257	M	1
Global Integ. Cluster	GP2	3
Them. Integr. Cluster	TP1	3
<i>Total Credits:</i>		15

Third Year – Fall Semester		
Course	Category	Credit
CSE 442	M	4
PHY 301	M	3
PHY 401	M	3
Commun. Literacy 2	CL2	3
Them. Integr. Cluster	TP2	3
<i>Total Credits:</i>		16

Third Year – Spring Semester		
Course	Category	Credit
MTH 309	M	4
PHY 307	M	2
CSE 305	M	4
Global Integr. Cluster	GP 3	3
<i>Total Credits:</i>		13

Fourth Year – Fall Semester		
Course	Category	Credit
PHY 403	M	3
PHY 405	M	3
Elect (Prob/Stat w Calc)	M	3
PHY 505	M	3
<i>Total Credits:</i>		12

Fourth Year – Spring Semester		
Course	Category	Credit
PHY 506	M	3
PHY 552 (or 551 fall)	M	3
Them. Integr. Cluster	TP3	3
PHY 600 MS Thesis	M	3
Integrative Capstone	CAP	1
<i>Total Credits:</i>		13

Fifth Year – Fall Semester		
Course	Category	Credit
PHY 515	M	3
PHY 500-level elect.	M	3
PHY 500-level elect.	M	3
PHY 600 MS Thesis	M	3
<i>Total Credits:</i>		12

Fifth Year – Spring Semester		
Course	Category	Credit
PHY 516	M	3
PHY 500-level elect.	M	3
PHY 600 MS Thesis	M	3
<i>Total Credits:</i>		9

<b>Total Credits Required for Degree:</b>	140
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**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

**ST 1/ST 2/ST 3** - 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





