



Finish in 4 Curricular Plan Computational 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
CSE 115	M	4
MTH 141	M/MQR	4
PHY 107/PHY 117	M/SLI 1	4
<i>Total Credits:</i>		15

Freshman 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

Sophomore 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

Sophomore 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

Junior 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

Junior 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

Senior Year – Fall Semester		
Course	Category	Credit
PHY 403	M	3
PHY 405	M	3
Elect (Prob/Stat w Calc)	M	3
PHY410 or CSE/MTH 437	M	3
<i>Total Credits:</i>		12

Senior Year – Spring Semester		
Course	Category	Credit
PHY411 or CSE/MTH 438	M	3
PHY 408 (or 407 fall)	M	3
Them. Integr. Cluster	TP3	3
open elective	E	4
Integrative Capstone	CAP	1
<i>Total Credits:</i>		14

Total Credits Required for Degree:	120
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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

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

