



## Finish in 4 Curricular Plan Mechanical & Aerospace Engineering, B.S.



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
EAS 199	M/UBS	3
CHE 107	M/SLI 1	4
MTH 141	M/MQR	4
ENG 105	CL1	4
<i>Total Credits:</i>		15

Freshman Year – Spring Semester		
Course	Category	Credit
MAE 177	M	1
PHY 107	M/SLI 2	4
MTH 142	M	4
EAS 202	M	1
EAS 230	M	3
Thematic Pathway 1	TP1	3
<i>Total Credits:</i>		16

Sophomore Year – Fall Semester		
Course	Category	Credit
EAS 207	M	3
MAE 204	M	3
MTH 241	M	4
PHY 108	M	4
PHY 158	M	1
MAE 277 or MAE 278	M	3
<i>Total Credits:</i>		18

Sophomore Year – Spring Semester		
Course	Category	Credit
EE 200	M	3
EAS 208	M	3
EAS 209	M	3
MTH 306	M	4
Global Pathway 1	GP1	3
<i>Total Credits:</i>		16

Junior Year – Fall Semester		
Course	Category	Credit
MAE 315	M	3
MAE 335	M	3
MAE 340	M	3
MAE 376	M	3
MAE 381	M	3
EAS 360	M/CL2	3
<i>Total Credits:</i>		18

Junior Year – Spring Semester		
Course	Category	Credit
MAE 316	M	3
MAE 334	M	2
MAE 336	M	3
MAE 345	M	3
MAE 385	M	1
MAE 424	M	3
Global Pathway 2	GP2	3
<i>Total Credits:</i>		18

Summer Semester		
Course	Category	Credit
Professional Practice	M	3

Senior Year – Fall Semester		
Course	Category	Credit
MAE 338 or MAE 339	M	2
MAE 377	M	3
MAE 422	M	3
MAE 436	M	3
MAE 451	M/GP3	3
Thematic Pathway 2	TP2/DL	3
<i>Total Credits:</i>		17

Senior Year – Spring Semester		
Course	Category	Credit
MAE 311	M	3
MAE 364	M	3
MAE 423	M	3
MAE 425	M	3
MAE 434	M/TP3	3
MAE 494	M	3
UBC 399	CAP	1
<i>Total Credits:</i>		19

*MAE courses found in Pathways course list 3 if GP/TP3 not already met through major courses.*

<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

**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





