



## Curricular Plan Industrial Engineering BS/MBA

The plan below provides a roadmap for completing this academic program and the UB Curriculum within 5 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
EAS 199	M/UBS	3
MTH 141	M/MQR	4
CHE 107	M/SLI 1	4
Pathway or ENG 105	P or CL 1	3 or 4
Pathway and Diversity Learning	P/DL*	3
<i>Total Credits:</i>		17 or 18

First Year – Spring Semester		
Course	Category	Credit
EAS 202	M	1
MTH 142	M	4
CHE 108/PHY 207/257/BIO 200/201	M	4
Pathway or ENG 105	P or CL 1	3 or 4
PHY 107	M/SLI 2	4
<i>Total Credits:</i>		16 or 17

Second Year – Fall Semester		
Course	Category	Credit
MTH 241	M	4
PHY 108	M	4
EAS 207	M	3
Pathway	P	3
<i>Total Credits:</i>		14

Second Year – Spring Semester		
Course	Category	Credit
MTH 306	M	4
EAS Elective	M	3
IE 320	M/P	3
EAS 230 or EAS 240	M	3
Pathway	P	3
<i>Total Credits:</i>		16

Third Year – Fall Semester		
Course	Category	Credit
IE 322	M	3
EAS 305	M	4
IE 326	M	3
IE 373	M	4
EAS 360	M/CL 2	3
<i>Total Credits:</i>		17

Third Year – Spring Semester		
Course	Category	Credit
IE 306	M	4
IE 323	M	4
IE 327	M/P	3
EAS 374	M	4
UBC 399	CAP	1
<i>Total Credits:</i>		16

Fourth Year – Fall Semester		
Course	Category	Credit
IE 477	M	4
MGB 610 LEC	M	2
MGQ 608 LEC	M	2
MGA 603 LEC	M	2
MGO 695	M	1.5
MGF 611 LEC	M	2
MGB 611 LEC	M	1
MGQ 609 LEC	M	1
MGG 635 LEC	M	1.5
MGM 615 LEC	M	2
<i>Total Credits:</i>		19

Course	Category	Credit
MGO 640 LEC	M	2
MGO 620 LEC	M	2
MGS 605 LEC	M	2
MGE 604 LEC	M	2
MGA 605 LEC	M	2
IE 408	M	3
IE Technical Elective	M	3
<i>Total Credits:</i>		16

Fifth Year – Fall Semester		
Course	Category	Credit
MBA Elective	M	3
MBA Elective	M	3
MBA Elective	M	3
MBA Elective	M	3
IE 420	M	3
IE Technical Elective	M	3
<i>Total Credits:</i>		18

Fifth Year – Spring Semester		
Course	Category	Credit
MGO 642 LEC Capstone	M	1
MGO 644 LEC	M	1
MBA Elective	M	3
MBA Elective	M	3
MBA Elective	M	3
IE 494 (TUT)	M	2
IE 494 (LEC)	M	1
<i>Total Credits:</i>		14

<b>Total Credits Required for Degree:</b>	<b>163</b>
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*\*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
- MQR = Math and Quantitative Reasoning
- P = Pathway Course (6 required: 3 Global, 3 Thematic)
- SLI1/SLI2 = Scientific Literacy and Inquiry (2 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.