



BME Degree Requirements for Students Entering 2020

COURSE #	COURSE TITLE	FALL	SPRING	
ENG 100	Writing Seminar I	3		FIRST YEAR
PHL 103	Introduction to Philosophy	3		
HST 103	The West and The World	3		
PHY 206	General Physics I	3		
MTH 168	Analytic Geometry & Calculus I	4		
MEE 104L	Solid Modeling in Design	2		
CMM 100	Principles of Oral Communication		3	
REL 103	Introduction to Religion & Theological Studies		3	
CHM 123/123L	General Chemistry/Chemistry Lab		3 & 1	
MTH 169	Analytic Geometry & Calculus II		4	
EGR 103	Engineering Innovation		2	
MEE 114L	Introduction to Programming		1	
EGR 150/151	Enrichment Workshop	0	0	
EGR 102/MEE 101	Freshman Seminar I and II	0	0	
*Fall and spring placement may vary but all courses are to be taken		18	17	
ENG 200	Writing Seminar II	3		SECOND YEAR
EGR 201	Engineering Mechanics	3		
MTH 218	Analytic Geometry & Calculus III	4		
EGR 202	Thermodynamics I	3		
EGR or COP 200	Professional Development Seminar	0		
PHY 207	General Physics II	3		
SSC 200	CAP Social Sciences		3	
EGM 202	Dynamics		3	
MEE 205	Mechatronics		3	
MEE 214	Programming for Mechanical Engineers		3	
MTH 219	Applied Differential Equations		3	
		16	15	
	CAP 1	3		THIRD YEAR
MEE 321	Theory of Machines	3		
MEE 312/312L	Engineering Materials I and Lab	3 & 1		
EGM 303	Mechanics II	3		
MEE 308	Fluid Mechanics	3		
MEE 300	Professional Development for Juniors	0		
	CAP 2		3	
MEE 344	Manufacturing Processes		3	
MEE 341	Engineering Experimentation		3	
MEE 410/410L	Heat Transfer and Thermo Fluids Lab		3&1	
	OPEN ELECTIVE		3	
		16	16	
	CAP 3	3		FOURTH YEAR
MEE 431L	Multidisciplinary Design I	2		
MEE 427	Mechanical Design I	3		
MEE 439	Dynamic Systems and Controls	4		
	MEE ELECTIVE	3		
	MTH/SCI ELECTIVE	3		
	CAP 4		3	
MEE 432L	Multidisciplinary Design II		3	
	MEE ELECTIVE		3	
	OPEN ELECTIVE		3	
MEE 460	Engineering Analysis		3	
MEE 400	Professional Development for Seniors		1	
		18	16	

5 Humanities Areas

For each area, choose courses from the lists provided on your DegreeWorks screen. To complete CAP requirements, a check mark must be in each column and row. Classes can count for multiple CAP components.

Areas	Course Number
Social Science	
Arts	
PHL/REL	
PHL/REL	
History	
	MEE 205