

MECHANICAL ENGINEERING 2021-22

	Units
PREPARATION FOR THE MAJOR	77
CHEM 1A, 1AL, 1B, 1BL or 2A, 2AC, 2B, 2BC	10
ENGR 3	3
MATH 3A-B, 4A-B, 6A-B	24
ME 6	4
ME 10	4
ME 12S	1
ME 14	4
ME 15	4
ME 16	4
ME 17	3
PHYS 1, 2, 3, 3L, 4, 4L	16

UPPER DIVISION MAJOR	69
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Third Year

MATRL 101 or MATRL 100C	3																					
ME 103	4																					
ME 104	4																					
ME 107	3																					
ME 108	3																					
ME 151A-B	8																					
ME 152A	4																					
ME 153	3																					
1 Specialization Group*	6																					
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 10%;">Group 1</th> <th style="width: 10%;">Group 2</th> <th style="width: 10%;">Group 3</th> <th style="width: 10%;">Group 4</th> <th style="width: 10%;">Group 5</th> <th style="width: 10%;">Group 6</th> </tr> </thead> <tbody> <tr> <td>L1</td> <td>ENGR 120A</td> <td>ME 163</td> <td>ME 127</td> <td>ME 141A</td> <td>ME 166</td> <td>ME 152B</td> </tr> <tr> <td>L2</td> <td>ENGR 120B</td> <td>ME 155A</td> <td>ME 129</td> <td>ME 141B</td> <td>ME 154</td> <td>ME 151C</td> </tr> </tbody> </table>		Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	L1	ENGR 120A	ME 163	ME 127	ME 141A	ME 166	ME 152B	L2	ENGR 120B	ME 155A	ME 129	ME 141B	ME 154	ME 151C	
	Group 1	Group 2	Group 3	Group 4	Group 5	Group 6																
L1	ENGR 120A	ME 163	ME 127	ME 141A	ME 166	ME 152B																
L2	ENGR 120B	ME 155A	ME 129	ME 141B	ME 154	ME 151C																

*Two courses required: Either a group, or 1 course from L1 and 1 course from L2

Fourth Year

ME 154 or 157 or 167	3
ME 105	4
ME 156A-B	6
ME 189A-B-C	9
Engineering Electives	9

Prior approval of the student's departmental electives must be obtained from the student's faculty adviser. Note, the list of approved electives may change from year to year and that not all courses are offered each year.

Approved Engineering Electives:

CHEM 109A	ME 110	ME 158
CHEM 123	ME 112	ME 162
ECE 147A,C	ME 124	ME 166
CMPS/ECCE 181B	ME 125 AA-ZZ	ME 167
ENGR 101	ME 128	ME W167 ¹
ENGR 120 A-B	ME 134	ME 169
ENGR 195A-B-C	ME140A-B	ME 179D-L-P
ENV S 105	ME141A-B	ME 185
MATRL 100A	ME 146	ME 186A-B
MATRL 100B	ME 147	ME 197 ²
MATRL 186A-B	ME 154	ME 199 ²
MATRL 188	ME 155B-C	TMP 120, 122
ME 102	ME 157	(max 1 course)

¹ME W167 online version of ME 167.

²Four units maximum from ME 197 and ME 199 combined

To satisfy major requirements, courses taken inside or outside the Department of Mechanical Engineering, must be taken for a letter grade.

UNIVERSITY REQUIREMENTS

UC Entry Level Writing Requirement: English Composition
Must be fulfilled within three quarters of matriculation

Satisfied by: _____

American History and Institutions – (one 4-unit course, may be counted as G.E. if selected from approved list)

GENERAL EDUCATION**General Subject Areas**

Area A: English Reading & Comprehension – (2 courses required)

A-1: _____ **A-2:** _____

Area D: Social Science
(2 courses minimum)

Area E: Culture and Thought
(2 courses minimum)

Area F: The Arts
(1 course minimum)

Area G: Literature
(1 course minimum)

Special Subject Areas

Ethnicity (1 course): _____

European Traditions
or World Cultures (1 course): _____

Writing (4 courses required):

NON-MAJOR ELECTIVES

Free Electives taken:

TOTAL UNITS REQUIRED FOR GRADUATION.....180

MECHANICAL ENGINEERING 2021-22

This grid is intended to serve as a guide and should be adjusted for individual circumstances in consultation with academic advisors.
Course availability subject to change. Changes will be announced by the department.

FRESHMAN YEAR

FALL	units	WINTER	units	SPRING	units
CHEM 1A or 2A	3	CHEM 1B or 2B	3	MATH 4A	4
CHEM 1AL or 2AC	2	CHEM 1BL or 2BC	2	ME 10	4
MATH 3A	4	MATH 3B	4	ENGR 3	3
ME 12S ¹	1	PHYS 1	4	PHYS 2	4
WRIT 1E or 2E	4	WRIT 2E or 50E	4	WRIT 50E or G.E.	4
TOTAL	14		17		19

SOPHOMORE YEAR

FALL	units	WINTER	units	SPRING	units
MATH 4B	4	MATH 6A	4	MATH 6B	4
ME 14	4	ME 6	4	ME 16	4
ME 17	3	ME 15	4	G.E.	8
PHYS 3	3	PHYS 4	3		
PHYS 3L	1	PHYS 4L	1		
TOTAL	15		16		16

JUNIOR YEAR

FALL	units	WINTER	units	SPRING	units
ME 103	4	MATRL 101 [^] or	3	ME 104	4
ME 107	3	MATRL 100B ²		ME 153	3
ME 151A	4	ME 108	3	Specialization Course	3
ME 152A	4	ME 151B	4	G.E.	4
MATRL 100A ²	3	Specialization Course	3	MATRL 100C ^{^2}	3
TOTAL	15/18		13		14/17

SENIOR YEAR

FALL	units	WINTER	units	SPRING	units
ME 154, ME 157, or ME 167 ³	3	ME 156B	3	ME 189C	3
ME 105	4	ME 189B	3	Departmental Elective	3
ME 156A	3	Departmental Elective	3	G.E. or Free Electives	8
ME 189A	3	G.E. or Free Electives	4		
Departmental Elective	3				
TOTAL	16		13		14

¹ ME 12S is offered every Fall, Winter, and Spring wuarter. The ME 12S requirement must be finished before the start of the third year.

² If applying to the BS/MS Materials program, juniors must take the MATRL 100A in Fall, MATRL 100B in Winter, and MATRL 100C in Spring.

³ Course availability may vary. If using ME 154, ME 157, or ME 167 to satisfy requirement, students may not count the course as an Engineering Elective. If either of the other courses are also taken, those additional courses will count as an engineering elective.

[^] Students may only count one course toward the major. (MATRL 101 or MATRL 100C)