

First Year

Fall			Spring			Summer		
3150:151	Principles of Chemistry I	3	3150:153	Principles of Chemistry II	3			
3150:152	Principles of Chem I Lab	1	7600:105/106	Oral Communications Elective	3			
			3300:112 or					
3300:111	English Composition I	3	2020:222	English Composition Elective	3			
3450:221	Analytical Geometry-Calculus I	4	3450:222	Analytical Geometry-Calculus II	4			
4600:165	Tools for Mechanical Engineering	3		Social Science Elective	3			
5540:xxx	Physical Education Elective	1						
<b>15</b>			<b>16</b>					

Second Year

Fall			Spring			Summer		
3650:291	Elementary Classical Physics I	4	3650:292	Elementary Classical Physics II	4			
4300:201	Statics	3	3450:335	Intro. To Ordinary Differential Equations	3			
3450:223	Analytical Geometry-Calculus III	4	4600:203	Dynamics	3			
3250:244	Intro to Economic Analysis	3	4300:202	Mechanics of Solids	3			
3400:210 or 3400:221	Humanities in the W. Trad. 1 or Humanities in the World since 1300	4	4600:260	Engineering Analysis I	2			
<b>18</b>			<b>15</b>					

Third Year

Fall			Spring			Summer		
4600:300	Thermodynamics I	3	4600:301	Thermodynamics II	2	4600:311	Fluid Mechanics II	3
4600:310	Fluid Mechanics I	2	4600:315	Heat Transfer	3	4600:380	Mechanical Metallurgy	2
4600:321	Kinematics of Machines	2	4600:337	Design of Mechanical Components	3	4600:431	Fundamentals Of Mechanical Vibrations	3
4600:336	Analysis of Mechanical Components	3	4600:340	Systems Dynamics & Response	3			
3470:401	Prob. & Stats. For Engineers	2	4600:483	Mechanical Engineering Measurements Lab	2			
4600:360	Engineering Analysis II	2		Humanities Elective	3			
<b>14</b>			<b>16</b>			<b>8</b>		

Fourth Year

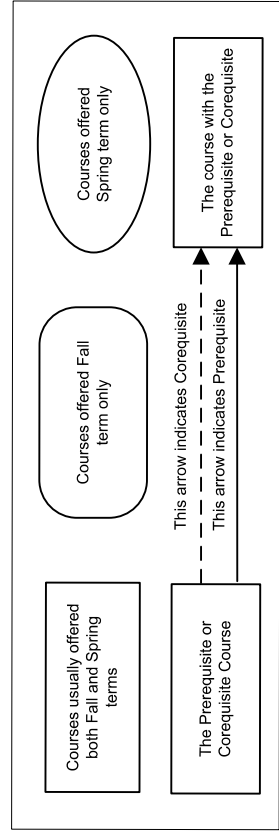
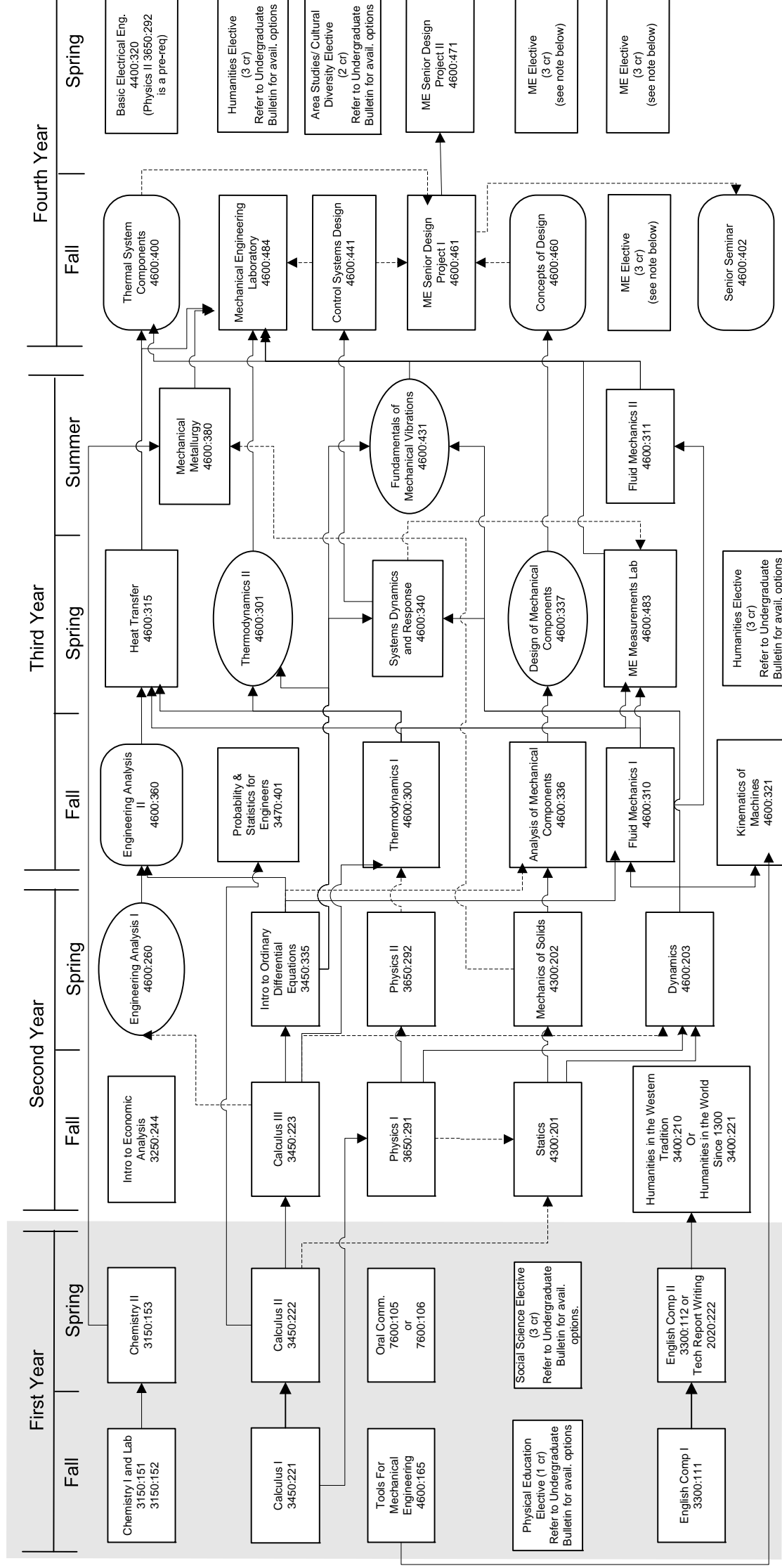
Fall			Spring			Summer		
4600:400	Thermal System Components	3	4600:471	Mechanical Engineering Senior Design Project II	2			
4600:441	Control Systems Design	3	4400:307	Basic Electrical Engineering	4			
4600:460	Concepts of Design	3		Area Studies & Cultural Diversity Elective	2			
4600:484	Mechanical Engineering Laboratory	2		Humanities Elective	3			
	Mechanical Engineering Senior Design Project I	2		Mechanical Engineering Elective	3			
4600:461	Project I	2		Mechanical Engineering Elective	3			
4600:402	Senior Seminar	1						
	Mechanical Engineering Elective	3						
<b>17</b>			<b>17</b>					

**Notes:**

See Undergraduate Bulletin for Approved General Education Courses

ME Electives must include 3 credits Mechanical Engineering design elective, 3 credits Technical elective, and 3 credits Mechanical Engineering technical elective.  
See Mechanical Engineering Departmental Office for Approved Mechanical Engineering Electives

# Curriculum Flow Chart - Mechanical Engineering - Non Co-op



Student must select nine (9) credit hours of ME electives of which include three (3) credits of technical electives, three (3) credits of ME design electives, and three (3) credits of ME technical electives. Prerequisites vary for these courses. Please see the ME Department for an approved list of electives.