

## ENGINEERING MECHANICS PROGRAM: FIRST AND SECOND YEARS

	SEMESTER I	SEMESTER II	SEMESTER III	SEMESTER IV
<b>MATHEMATICS</b>	MATH UN1101 (3)	MATH UN1102 (3)	APMA E2000 (4) and E2001 (0)	APMA E2101 (3) Intro. to applied math.
<b>PHYSICS</b> (three tracks, choose one)	UN1401 (3) UN1601 (3.5) UN2801 (4.5)	UN1402 (3) UN1602 (3.5) UN2802 (4.5)	Lab UN1494 (3) or chem. lab  Lab UN3081 (2)	
<b>CHEMISTRY</b>	One-semester lecture (3–4): UN1403 or UN1404 or UN2045 or UN1604 Chem lab UN1500 (3) either semester or physics lab			
<b>MECHANICS</b>	ENME E3105 (4) any semester			
<b>UNIVERSITY WRITING</b>	CC1010 (3) either semester			
<b>REQUIRED NONTECHNICAL ELECTIVES</b>			HUMA CC1001, COCI CC1101, or Global Core (3–4)  HUMA UN1121 or UN1123 (3)	HUMA CC1002, COCI CC1102 or Global Core (3–4)  ECON UN1105 (4) and UN1155 recitation (0)
<b>REQUIRED TECH ELECTIVES</b>	(3) Student's choice, see list of first- and second-year technical electives			
<b>COMPUTER SCIENCE</b>	Computer Language: ENGI E1006 (3) or equivalent (any semester)			
<b>PHYSICAL EDUCATION</b>	UN1001 (1)	UN1002 (1)		
<b>THE ART OF ENGINEERING</b>	ENGI E1102 (4) either semester			

## ENGINEERING MECHANICS: THIRD AND FOURTH YEARS

		SEMESTER V	SEMESTER VI	SEMESTER VII	SEMESTER VIII
<b>CORE REQUIRED COURSES</b>		ENME E3113 (3) Mech. of solids  ENME E3161 (4) Fluid mechanics  APMA E3101 (3) Applied math., I	APMA E3102 (3) Applied math., II  ENME E3106 (3) Dynamics and vibrations  ENME E3114 (4) Experimental mech.  CIEN E3121 (3) Structural analysis	ENME E3332 (3) A first course in finite elements  ENME E4202 (3) Advanced mech.  ENME E4215 (3) Theory of vibrations	ENME E4113 (3) Advanced solids
<b>ELECTIVES</b>	<b>TECH</b>	3 points	6 points	6 points	9 points
	<b>NONTECH</b>			3 points	3 points
<b>TOTAL POINTS</b>		13	19	18	15