

**Mechanical Engineering
5 Year Plan**

First Year					
BNEW-112	New Testament Survey	2	BOLD-101	Old Testament Survey	2
MATH-201	Calculus I	5	MATH-251	Calculus II	5
CHEM-121	College Chemistry I	4	CHEM-122	College Chemistry II	4
ENGR-101	Intro to Engineering	2	MENG-130	Mat'ls and Manu. Proc.	3
Total		13	Total		14
Second Year					
Bible	BNEW-211, 213;BDOC-251 BOLD-202; BYFE-338	2	Bible	BMIS-280, 386, 387	3
MATH-301	Calculus III	3	MATH-351	Differential Equations	3
PHYS-211	Engineering Physics I	4	PHYS-212	Engineering Physics II	4
MENG-225	Statics	2	MENG-226	Dynamics	3
MENG-230	Circuits for ME's	4	MENG-280	Mechanics of Materials	3
Total		15	Total		16
Third Year					
BHIS-340	Church History	3	BDOC-253	Literature of Faith	3
CENG-170	Software Development	5	MENG-321	Heat and Mass Transfer	3
MENG-320	Thermodynamics	3	ENG-211	Composition II	3
ENG-111	Composition I	3	COMO-101	Speech	3
			ART-101	Art Appreciation	2
Total		14	Total		14
Fourth Year					
Bible 300+	300 or above Bible course	2	Bible 300+	300 or above Bible course	2
MENG-340	Fluid Mechanics	3	MENG-370	Thermodynamic Systems	3
MENG-420	Machine Design	3	MENG-410	Mechanical Lab	2
ENGR-360	Instrumentation	4	Math Elec.	MATH-313,318;CENG-328, PHYS-312	3
			ME Elect	MENG-401,415,425, 430,445, ENGR-401,402,445	3
Total		12	Total		13
Fifth Year					
ENGR-420	Engineering Design I	2	ENGR-421	Engineering Design II	2
ENGR-401	Controls I	3	ME Elect	MENG-401,415,425, 430,445, ENGR-401,402,445	3
ME Elect	MENG-401,415,425, 430,445, ENGR-401,402,445	3	Liberal Art	ENGR-310,ECON-201, POLS-205,SOC-203	3
BIO-250	Environmental Science	3	HIST-101/2	American History	3
KINS-101	Wellness	2	MUS-101	Music Appreciation	2
Total		13	Total		13