

B. Eng (Mechanical Engineering)

B. Eng (Mechanical Engineering)

B. Eng (Mechanical Engineering)

2011				2012				2013				
	Code	Title	Prerequisites		Code	Title	Prerequisites		Code	Title	Prerequisites	
EBDM	1	ENF1101	Engineering Mathematics 1	-	1	ENF1101	Engineering Mathematics 1	-	1	ENF1101	Engineering Mathematics 1	-
	2	ENF1102	Engineering Physics 1	-	2	ENF1102	Engineering Physics 1	-	2	ENF1102	Engineering Physics 1	-
	3	ENF1103	Engineering and the Community	-	3	ENF1103	Engineering and the Community	-	3	ENF1103	Engineering and the Community	-
	4	ENF1104	Problem Solving for Engineers	-	4	ENF1104	Problem Solving for Engineers	-	4	ENF1104	Problem Solving for Engineers	-
	5	ENF1201	Engineering Mathematics 2	1	5	ENF1201	Engineering Mathematics 2	1	5	ENF1201	Engineering Mathematics 2	1
	6	ENF1202	Engineering Physics 2	2	6	ENF1202	Engineering Physics 2	2	6	ENF1202	Engineering Physics 2	2
	7	ENF1203	Engineering Computing 1	1	7	ENF1203	Engineering Computing 1	1	7	ENF1203	Engineering Computing 1	1
	8	ENF1204	Introduction to Engineering Design	-	8	ENF1204	Introduction to Engineering Design	-	8	ENF1204	Introduction to Engineering Design	-
	9	VAN2041	Thermofluids	5, 6	9	VAN2041	Thermofluids	5, 6	9	VAN2041	Thermofluids	5, 6
	10	VAM2111	Introduction to Engineering Materials	6	10	VAM2111	Introduction to Engineering Materials	6	10	VAM2111	Introduction to Engineering Materials	6
	11	VAM2121	Mechanics of Engineering Materials	5, 6	11	VAM2121	Mechanics of Engineering Materials	5, 6	11	VAM2121	Mechanics of Engineering Materials	5, 6
	12	VAM2131	Engineering Analysis	5, 6	12	VAM2131	Engineering Analysis	5, 6	12	VAM2131	Engineering Analysis	5, 6
	13	VAM2112	Thermodynamics 1	9	13	VAM2112	Thermodynamics 1	9	13	VAM2112	Thermodynamics 1	9
	14	VAM2122	Stress Analysis	11	14	VAM2122	Stress Analysis	11	14	VAM2122	Stress Analysis	11
	15	VAM2132	Manufacturing Materials	10	15	VAM2132	Manufacturing Materials	10	15	VAM2132	Manufacturing Materials	10
16	VAM2142	Mechanical Engineering Design	-	16	VAM2142	Mechanical Engineering Design	-	16	VAM2142	Mechanical Engineering Design	-	
EBME	17	VAM3021	Stress Analysis 1	11	17	VAM3111	Design of Mechanical Systems	16	17	VAM3111	Design of Mechanical Systems	16
	18	VAM3071	Dynamics	5, 6	18	VAM3121	Thermodynamics 2	13	18	VAM3121	Thermodynamics 2	13
	19	VAM3031	Mechanical Engineering Design 1	16	19	VAM3131	Fluid Mechanics 1	9	19	VAM3131	Fluid Mechanics 1	9
	20	VAM3041	Thermodynamics & Fluid Mechanics 2	9, 13	20	VAM3071	Dynamics	5, 6	20	VAM3071	Dynamics	5, 6
	21	VAM3012	Signal Analysis	12	21	VAM3112	Electrical Engineering	6	21	VAM3112	Electrical Engineering	6
	22	VAM3022	Stress Analysis 2	17	22	VAM3122	Fluid Mechanics 2	19	22	VAM3122	Fluid Mechanics 2	19
	23	VAM3072	Mechanical Vibrations	5, 6	23	VAN3052	Engineering Management	-	23	VAN3052	Engineering Management	-
	24	VAN3052	Engineering Management	-	24	VAM3072	Mechanical Vibrations	5, 6	24	VAM3072	Mechanical Vibrations	5, 6
	25	VAM4021	Computational Mechanics	22, 23	25	VAM4021	Computational Mechanics	14, 24	25	VAM4111	Advanced Mechanics 1	Dependent on topic
	26	VAN4051	Engineering Project Management	24	26	VAN4051	Engineering Project Management	23	26	VAM4121	Finite Element Analysis	14, 24
	27	VAN4011	Engineering project 1	Must be in final year	27	VAN4011	Engineering project 1	Must be in final year	27	VAN4051	Engineering Project Management	23
	28	VAM4041	Heat Transfer & Combustion	20	28	VAM4041	Heat Transfer & Combustion	18	28	VAN4011	Engineering Project 1	Must be in final year
	29	VAM4032	Mechanical Engineering Design 2	19	29	VAM4032	Mechanical Engineering Design 2	17	29	VAM4112	Advanced Mechanics 2	Dependent on topic
	30	VAN4012	Engineering Project 2	27	30	VAN4012	Engineering Project 2	27	30	VAM4122	Engineering Design and Optimisation	17
	31	VAM4042	Fluid Dynamics	20	31	VAM4042	Fluid Dynamics	22	31	VAM4132	Advanced Engineering Analysis	12, 24
32	VAMXXX	Elective	Dependent on elective	32	VAMXXX	Elective	Dependent on elective	32	VAN4012	Engineering Project 2	28	