

## Advanced Diploma in Engineering Mathematics Course List

**A student should take at least 12 Cr of elective courses from this list**

Course Code	Course Title	Cr	L	P	Prerequisite
MATH 604	Advanced Complex Analysis	3	3	-	
MATH 606	Convex Optimization	3	3	-	MATH 502
MATH 607	Integer and Combinatorial Optimization	3	3	-	MATH 502
MATH 610	Time Series Analysis	3	3	-	MATH 504
MATH 611	Design of Experiments	3	3	-	MATH 504
MATH 615	Advanced Differential Equations	3	3	-	
MATH 619	Graph Theory	3	3	-	
MATH 650	Selected Topics in Engineering Mathematics	3	3	-	