

**SAMPLE PLAN OF STUDY  
ELECTRIC POWER AND ENERGY SYSTEMS  
ELECTRICAL ENGINEERING  
ARIZONA STATE UNIVERSITY  
MSE Degree**



This is a sample plan of study, which meets the degree requirements for the MSE program. Course selection is up to the individual and should be made based on academic and career goals. A complete list of all courses by specialization area may be found [here](#). The list of special topics courses offered every semester may be found [here](#). All students should review the [MSE Final Comprehensive Exam](#) description for their area to ensure adequate exam preparation. Students are also responsible for checking [course prerequisites](#) to be certain they are prepared for the courses they select.

	<b>Course Number</b>	<b>Course Title</b>	<b>Credits</b>	<b>Semester/Year</b>
1	EEE 591/463	Electrical Power Plants	3	Fall/1
2	EEE 562*	Reactor Theory and Design	3	Fall/1
3	EEE 579	Transmission and Distribution	3	Fall/1
4	EEE 572*	Advanced Power Electronics	3	Spring/1
5	EEE 598*	Renewable Electric Energy	3	Spring/1
6	EEE 591/471	Power System Analysis	3	Spring/1
7	EEE 574*	Computer Solution of Power System	3	Fall/2
8	EEE 575*	Power System Stability	3	Fall/2
9	IEE 511	Analysis of Decision Process Optimization	3	Fall/2
10	EEE 582	Linear Systems Theory	3	Spring/2

\*Designated on Power area MSE Final Comprehensive exam

**MSE Degree Requirements:** At least five EEE courses, at most two 400-level courses, at least three EEE 500- level courses (not EEE 591 or 590), at least two courses outside area of specialization, at most one EEE 590 Reading and Conference or any FSE 500 level course. Total: 10 classes required, 30 credits minimum.