

SAMPLE PLAN OF STUDY
ELECTROMAGNETICS, ANTENNAS AND MICROWAVE CIRCUITS
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.

	Course Number	Course Title	Credits	Semester/Year
1	EEE 591/445	Microwaves	4	Fall/1
2	EEE 591/448	Fiber Optics	3	Fall/1
3	EEE 541	Electromagnetic Fields and Guided Waves	3	Fall/1
4	EEE 591/443	Antennas for Wireless Communications	3	Spring/1
5	EEE 548	Coherent Optics	3	Spring/1
6	EEE 545	Microwave Circuit Design	3	Spring/1
7	EEE 543	Antenna Analysis and Design	3	Fall/2
8	EEE 547	Microwave Solid-State Circuit Design	3	Fall/2
9	EEE 591/437	Optoelectronics	3	Fall/2
10	EEE 598	Low Power Bioelectronics	3	Spring/2

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.