

Electrical Engineering Coursework

OSU

100/200 SERIES CLASSES REQUIRED FOR PRO SCHOOL

OSU Course #	Generic Description
ECE 112	Intro to ECE, Concepts
ENGR 201	Electrical Fundamentals, I
ENGR 202	Electrical Fundamentals, II
MTH 251	Differential Calculus
MTH 252	Integral Calculus
MTH 254	Vector Calculus, I
MTH 256	Applied Differential Equations
MTH 306	Matrix and Power Series Methods
CH 201	Chemistry for Engineering Majors
PH 211	General Physics with Calculus, I
PH 212	General Physics with Calculus, II
PH 213	General Physics with Calculus, III
WR 121	English Composition
COMM 111/114	Public Speaking/Argument and Critical Discourse

ADDITIONAL 100/200/300 SERIES CLASSES REQUIRED FOR MECOP ENTRANCE

CS 161	Introduction to Computer Science, I
CS 162	Introduction to Computer Science, II
CS 261	Data Structures
ECE 271/272	Digital Logic Design/Laboratory
ENGR 203	Electrical Fundamentals, III
MTH 231 [ECE degree]	Discrete Mathematics, I
MTH 255	Vector Calculus, II

300/400 SERIES CLASSES REQUIRED FOR FIRST MECOP INTERNSHIP

ECE 322	Electronics I
ECE 351	Signals & Systems, I
ECE 352	Signals & Systems, II
ECE 353	Probability and Random Signals
ECE 375	Computer Org & Assembly Language Programming
ECE 391	Transmission Lines
ENGR 407	MECOP Engineering Seminar
WR 327	Technical Report Writing

300/400 SERIES CLASSES REQUIRED FOR SECOND MECOP INTERNSHIP

ECE 323	Electronics II
ECE/CS 372 [ECE degree]	Computer Networks
ECE 441-443	Engineering Design Projects
ECE 4xx [4-6 classes]	[Track Specific]
ENGR 390 [Recommend]	Engineering Economics
ENGR 407	MECOP Engineering Seminar