Computer Science Coursework (2013 version) OSU

100/200 SERIES CLASSES REQUIRED FOR PRO SCHOOL

OSU Course #	Generic Description
CS 160	Computer Science Orientation
CS/EECS 161	Introduction to Computer Science, I
CS/EECS 162	Introduction to Computer Science, II
CS 261	Data Structures
CS 275	Introduction to Databases
MTH 231/CS 225	Elements of Discrete Math I
MTH 251	Differential Calculus
MTH 252	Integral Calculus
COMM 111/114	Speech
WR 121	English Composition

ADDITIONAL OPTION - DEPENDENT CLASSES REQUIRED FOR PRO SCHOOL

Computer Systems Option

OSU Course #	Generic Description
ECE 271	Digital Logic Design
MTH 254	Vector Calculus
MTH 306	Matrix and Power Series Methods
PH 211& 221	General Physics & Recitation

Information Systems Option

OSU Course #	Generic Description
CS 271	Computer Architecture and Assembly Language
ECON 201	Introduction to Microeconomics
WR 214/222	Writing in Business/English Composition

Applied Option

OSU Course #	Generic Description
CS 271	Computer Architecture and Assembly Language
WR 214/222	Writing in Business/English Composition

300/400 SERIES CLASSES REQUIRED FOR FIRST MECOP INTERNSHIP

OSU Course #	Generic Description
CS 311	Operating Systems I
CS 361	Software Engineering I
CS 362	Software Engineering II
*ECE 375**	Computer Organization & Assembly Language

CS 271 covers this requirement for the Information Systems and Applied options

OSU Course #	Generic Description
ENGR 407	MECOP Engineering Seminar
WR 327	Technical Writing

300/400 SERIES CLASSES REQUIRED FOR SECOND MECOP INTERNSHIP

OSU Course #	Generic Description
▪ CS 411	Operating Systems II

Computer Systems Option

OSU Course #	Generic Description
▪ CS321	Theory of Computation

Note: Additional courses are required and must be taken at the appropriate times to ensure a timely graduation. Each MECOP student is required to develop an individualized "MECOP Curriculum Plan" showing the proposed path to graduation.