

Binary Program Course Requirements  
Case School of Engineering

**Systems and Control Engineering**  
(DRAFT)

Courses equivalent to the following need to be taken prior to admission to Case School of Engineering for all degree programs

Subject Code	Course Number	Course Title	Semester Credit Hours
CHEM	105	Principles of Chemistry I	3
CHEM	106	Principles of Chemistry II	3
CHEM	113	Principles of Chemistry Lab	2
ENGR	131	Elementary Computer Programming	3
MATH	121	Calculus for Science & Engineering I	4
MATH	122	Calculus for Science & Engineering II	4
MATH	223	Calculus for Science & Engineering III	3
MATH	224	Elementary Differential Equations	3
PHYS	121	General Physics I	4
PHYS	122	General Physics II	4
		Humanities and Social Sciences	22
		(including college level writing proficiency)	0
		Physical Education (2 semesters)	0
			<hr/> 55

Binary Program Course Requirements  
Case School of Engineering

**Systems and Control Engineering**

Fall Year 1

Subject Code	Course Number	Course Title	Hours per Week		Semester Credit Hours
			Class	Lab	
ENGL	398N	Professional Communication	4	0	4
STAT	312	Statistics for Engineering & Science	3	0	3
EECS	352	Engineering, Economics, & Decision Analysis	3	0	3
EECS	342	Intro to Global Systems	3	0	3
ENGR	200	Statics and Strengths of Materials	3	0	3
			16	0	16

Spring Year 1

Subject Code	Course Number	Course Title	Hours per Week		Semester Credit Hours
			Class	Lab	
ENGR	225	Fluid and Thermodynamics	4	0	4
EECS	281	Computer Org, Logic Design	3	2	4
ENGR	210	Circuits and Instrumentation	3	2	4
		Approved Technical Elective	3	0	3
		Approved Technical Elective	3	0	3
			16	4	18

Fall Year 2

Subject Code	Course Number	Course Title	Hours per Week		Semester Credit Hours
			Class	Lab	
EECS	246	Signals and Systems	3	2	4
EECS	324	Simulation Methods	3	0	3
EECS	398	Senior Project Lab I	0	8	4
		Approved Technical Elective	3	0	3
		Approved Technical Elective	3	0	3
			12	10	17

Spring Year 2

Subject Code	Course Number	Course Title	Hours per Week		Semester Credit Hours
			Class	Lab	
EECS	304	Control Engineering I	3	0	3
EECS	305	Control Lab I	3	2	1
EECS	346	Engineering Optimization	3	0	3
EECS	313	Signal Processing	3	0	3
EECS	399	Senior Project Lab	0	8	4
		Approved Technical Elective	3	0	3
			15	10	17