DEPARTMENT OF ENERGY SYSTEMS ENGINEERING
LIST OF PREREQUISITES

COURSE		Prerequisite		Recommended	
MATH 263	Diff Equations and Dyn Systems	MATH 131	Calculus I		
EEE 342	Feedback Systems	MATH 263	Diff Equations and Dyn Systems		
ESE 303	Heat and Mass Transfer	ESE 207	Thermodynamics	ESE 204	Fluid Mechanics
EEE 468	Energy Systems Optimization	MATH 230	Computational Methods in Eng		
ESE 463	Intro Computational Fluid Dynamics	ESE 204	Fluid Mechanics		
		ESE 303	Heat and Mass Transfer		
ESE 457	Heat Exchangers	ESE 303	Heat and Mass Transfer		
ESE 465	Energy Systems Modeling	ESE 303	Heat and Mass Transfer	MATH 230	Computational Methods in Eng
		ESE 202	Conventional Energy Systems		
ESE 456	Exergy Analysis of Energy Systems	ESE 207	Thermodynamics		
ESE 462	Waste Heat Recovery and Cogeneration	ESE 202	Conventional Energy Systems		
EEE 222	Circuit Theory II	EEE 221	Circuit Theory I		
EEE 338	Power Systems	EEE 222	Circuit Theory II		
EEE 336	Electromechanical Energy Conversion	EEE 222	Circuit Theory II		
ESE 402	Energy Systems Design Project	ESE 401	Energy Systems Analysis Project		

*These prerequisities apply to the students who began the first year in the department before 2016-2017 academic year.