

Extended Office Practice Study Plan

The following provides the regular and extended office practice study plan in **Mechatronics Engineering**

Regular Study Plan

	Regulai Study Flaii	
	Year One	
	Fall (17 credits)	
CIE 200	Statics	3
ENG 202	Advanced Academic English	3
PHY 201	Electricity and Magnetism	4
MTH 201	Calculus III	3
MTH 207	Discrete Structures I	3
COE 201	Computer Proficiency	1
	Spring (17 credits)	
MEE 211	Engineering Graphics	1
COE 211	Computer Programming	4
MTH 206	Calculus IV	3
MTH 304	Differential Equations	3
MEE 241	Dynamics	3
ELE 201	Electrical Circuits I	3
	Summer (9 credits)	
	LAS Elective	3
	LAS Elective	3
GNE 331	Probability and Statistics	3
	YearTwo	
	Fall (16 credits)	
MEE 321	Material Properties & Processes	3
ELE 302	Electrical Circuits II	3
ELE 303	Electrical Circuits II Lab	1
COE 312	Data Structures	3
COE 321	Logic Design	3
COE 322	Logic Design Lab	1
GNE 301	Professional Communication	2
	Spring (17 credits)	
ELE 401	Electronics I	3
ELE 402	Electronics I Lab	1
COE 313	Data Structures Lab	1
MEE 320	Strength of Materials	3
COE 323	Microprocessors	3
MEE 391	nstrumentation and Measurements	3
ELE 430	Signals and Systems	3
	Summer (6 credits)	
COM 203	Fundamentals of Oral Communication	3
	LAS Elective	3
		Ŭ

Study Plan with Extended Experiential Learning

ENG 202 Ad PHY 201 Ele	Year One Fall (17 credits) atics vanced Academic English ectricity and Magnetism lculus III	3 3 4
ENG 202 Ad PHY 201 Ele MTH 201 Ca	atics Ivanced Academic English ectricity and Magnetism Iculus III	
ENG 202 Ad PHY 201 Ele MTH 201 Ca	vanced Academic English ectricity and Magnetism Iculus III	
PHY 201 Ele MTH 201 Ca	ectricity and Magnetism Iculus III	
MTH 201 Ca	lculus III	
		3
MITH 207 DIS		3
COE 201 C-		_
COE 201 Co	mputer Proficiency	1
NASS 244 5	Spring (17 credits)	
	gineering Graphics	1
-	mputer Programming	4
	lculus IV	3
	ferential Equations	3
	namics	3
ELE 201 Ele	ectrical Circuits I	3
	Summer (9 credits)	
LA	S Elective	3
LA	S Elective	3
GNE 331 Pro	obability and Statistics	3
	YearTwo	
	Fall (16 credits)	
MEE 321 Ma	aterial Properties & Processes	3
ELE 302 Ele	ectrical Circuits II	3
ELE 303 Ele	ectrical Circuits II Lab	1
COE 312 Da	ta Structures	3
COE 321 Log	gic Design	3
COE 322 Log	gic Design Lab	1
GNE 301 Pro	ofessional Communication	2
	Spring (17 credits)	
ELE 401 Ele	ectronics I	3
ELE 402 Ele	ectronics I Lab	1
COE 313 Da	ta Structures Lab	1
MEE 320 Str	ength of Materials	3
	icroprocessors	3
	trumentation and Measurements	3
	nals and Systems	3
50 518	,	
COM 203 Fu	ndamentals of Oral Communication	3
	S Elective	3



Regui	lar Stud	v Plan

	Year Three	
	Fall (17 credits)	
ELE 442	Control Systems	3
ELE 443	Control Systems Lab	1
MEE 311	Fluid Mechanics	3
MEE 312	Fluid Mechanics Lab	1
MEE 351	Computer Aided Design	3
GNE 303	Engineering Ethics	2
COE 324	Microprocessors Lab	1
MCE 410	Mechatronics System Design I	3
	Spring (15 credits)	
MEE 341	Kinematics of Machines	3
MCE 301	Electromechanics	3
MCE 411	Mechatronics System Design II	3
	MCETechnical Elective	3
GNExxx	SOE Signature Course	3
	Summer (6 credits)	
MCE 498	Professional Experience	6
	Year Four	
	Fall (15 credits)	
MEE 301	Thermodynamics	3
MCE 591	Capstone Design Project I	3
	MCETechnical Elective	3
	MCETechnical Elective	3
INE 320	Engineering Economy I	3
	Spring (15 credits)	
INE 428	Project Management	3
MEE 422	Mechanical Engineering Design	3
MCE 592	Capstone Design Project II	3
	MCETechnical Elective	3
	LAS Elective	3

 $Study\,Plan\,with\,Extended\,Experiential\,Learning$

	Year Three	
	Fall (17 credits)	
ELE 442	Control Systems	3
ELE 443	Control Systems Lab	1
MEE 311	Fluid Mechanics	3
MEE 312	Fluid Mechanics Lab	1
MEE 351	Computer Aided Design	3
GNE 303	Engineering Ethics	2
COE 324	MicroprocessorsLab	1
MCE 410	Mechatronics System Design I	3
	Spring (15 credits)	
MEE 341	Kinematics of Machines	3
MCE 301	Electromechanics	3
MCE 411	Mechatronics System Design II	3
	MCETechnical Elective	3
GNExxx	SOE Signature Course	3
	Summer (6 credits)	
MCE 498	Professional Experience	6
	Year Four	
	Teal Foal	
	Fall (credits)	
	Fall (credits)	
INE 428	Fall (credits) Extended Experiential Learning	3
INE 428 MEE 422	Fall (credits) Extended Experiential Learning Spring (15 credits)	3
	Fall (credits) Extended Experiential Learning Spring (15 credits) Project Management	_
MEE 422	Fall (credits) Extended Experiential Learning Spring (15 credits) Project Management Mechanical Engineering Design	3
MEE 422	Fall (credits) Extended Experiential Learning Spring (15 credits) Project Management Mechanical Engineering Design Capstone Design Project I	3
MEE 422	Fall (credits) Extended Experiential Learning Spring (15 credits) Project Management Mechanical Engineering Design Capstone Design Project I MCETechnical Elective	3 3
MEE 422	Fall (credits) Extended Experiential Learning Spring (15 credits) Project Management Mechanical Engineering Design Capstone Design Project I MCETechnical Elective LAS Elective	3 3
MEE 422 MCE 591	Fall (credits) Extended Experiential Learning Spring (15 credits) Project Management Mechanical Engineering Design Capstone Design Project I MCE Technical Elective LAS Elective Year Five	3 3
MEE 422 MCE 591 MEE 301	Fall (credits) Extended Experiential Learning Spring (15 credits) Project Management Mechanical Engineering Design Capstone Design Project I MCE Technical Elective LAS Elective Year Five Fall (15 credits)	3 3
MEE 422 MCE 591 MEE 301 MCE 592	Fall (credits) Extended Experiential Learning Spring (15 credits) Project Management Mechanical Engineering Design Capstone Design Project I MCETechnical Elective LAS Elective Year Five Fall (15 credits) Thermodynamics	3 3 3 3 3
MEE 422 MCE 591 MEE 301 MCE 592	Fall (credits) Extended Experiential Learning Spring (15 credits) Project Management Mechanical Engineering Design Capstone Design Project I MCETechnical Elective LAS Elective Year Five Fall (15 credits) Thermodynamics Capstone Design Project II	3 3