

Check list

Electrical Engineering Curriculum 2018 (2561)

Student ID _____	Advisor _____	English Proficiency Test [] TOEIC _____	Admission [] Normal
Student's Name (in English) _____	student's Mobile Phone Number _____	[] IELTS _____	[] Re-entry _____ Cr.
Students's Name (in Thai) _____	E-mail address _____	[] TU-GET _____	[] Transfer _____ Cr.
		[] TOEFL _____	

Yr.	First Semester						Second Semester					
	Course	Pre (Co)	Credits	Sem/Yr	Grade	Course	Pre (Co)	Credits	Sem/Yr	Grade		
1	MAS 116	Mathematics I	None	3(3-0-6)		GTS 133	Environmental Studies	None	3(3-0-6)			
	SCS 126	Chemistry for Engineers	None	3(3-0-6)		ITS 100	Intro. To Computer & Programming	None	3(2-3-4)			
	SCS 138	Applied Physics I	None	3(3-0-6)		MAS 117	Mathematics II	MAS116	3(3-0-6)			
	SCS 176	Chemistry Laboratory	SCS126 (Co)	1(0-3-0)		SCS 139	Applied Physics II	SCS138	3(3-0-6)			
	SCS 183	Physics Laboratory I	SCS138 (Co)	1(0-3-0)		SCS 184	Physics Laboratory II	SCS139 (Co)	1(0-3-0)			
	TU 100	Civic Engagement	None	3(3-0-6)		TU 105	Communication Skills in English	None	3(3-0-6)			
	TU103	Life and Sustainability	None	3(3-0-6)		TU 106	Creativity and Communication	None	3(3-0-6)			
	TU104	Critical Thinking, Reading, and Writing	None	3(3-0-6)					19(17-6-34)			
			20(18-6-36)									
	TU 050 English Skill Development _____											
	English Proficiency Test score _____					English Proficiency Test score _____						
	Status [] Normal [] Warning 1 [] Warning 2 [] Probation					Status [] Normal [] Warning 1 [] Warning 2 [] Probation						
2	EES 216	Circuit Analysis	None	3(3-0-6)		EES 210	Basic EE Lab	EES216	1(0-3-0)			
	EES 221	Computational Tools in EE	MAS117	3(2-2-5)		EES 211	Electrical Measurement and Instrumentation	EES203 or EES216	3(3-0-6)			
	GTS 202	English Language Structures	None	3(3-0-6)		EES 212	Electromagnetics	MAS117 and SCS139	3(3-0-6)			
	MAS 210	Mathematics III	MAS117	3(3-0-6)		EES 281	Signals and Systems	EES221 or MAS215	3(3-0-6)			
	MES 300	Engineering Drawing	None	3(2-3-4)		EES 331	Electronic Circuits I	EES216	3(3-0-6)			
	TU108	Self-Development and Management	None	3(3-0-6)		EES 371	Digital Circuits	None	3(3-0-6)			
	or					EES 298	EE Project Design I	Sophomore standing	1(0-3-0)			
	TU 102	Social Life Skills	None	3(3-0-6)		GTS 302	Technical Writing	None	2(2-1-3)			
MES 351	Engineering Dynamics	SCS138 (co)	3(3-0-6)					19(17-7-33)				
			21(19-5-39)									
	English Proficiency Test score _____					English Proficiency Test score _____						
	Status [] Normal [] Warning 1 [] Warning 2 [] Probation					Status [] Normal [] Warning 1 [] Warning 2 [] Probation						
3	EES 315	Prob. and Random Processes	MAS117	3(3-0-6)		EES 330	Electronic Circuit Lab.	EES332	1(0-3-0)			
	EES 332	Electronic Circuits II	EES331	3(3-0-6)		EES 380	Feedback Control Lab	EES381	1(0-3-0)			
	EES 341	Electrical Machines	EES203 or EES216	3(3-0-6)		EES xxx	Technical Elective		3(x-x-x)			
	EES 351	Principles of Communications	EES281 and EES315 or IES302 (Co)	3(3-0-6)		MES 211	Thermofluids	SCS138 or GTS121	3(3-0-6)			
	Option I : Communication Engineering											
	EES 370	Digital Circuit Lab.	EES371 (Co)	1(0-3-0)		EES 451	Data Communications & Networks	None	3(3-0-6)			
	EES 381	Feedback Control Systems	EES203 or EES216	3(3-0-6)		EES 452	Digital Communication Systems	EES351	3(3-0-6)			
	EES 382	Microprocessors and Embedded System	EES371	3(3-0-6)		EES 455	Mobile Communications	EES351	3(3-0-6)			
	EES 398	EE Project Design II	Junior standing	1(0-3-0)		EES 472	Digital Signal Processing	EES281	3(3-0-6)			
	Option II : Power Engineering											
				20(18-6-36)		EES 342	Electrical Power System	EES203 or EES216	3(3-0-6)			
						EES 441	Electrical System Design	EES203 or EES216	3(3-0-6)			
					EES 446	Energy Conservation and Management	None	3(3-0-6)				
					EES 448	Electrical Safety	None	3(3-0-6)				
								20				
	English Proficiency Test score _____					English Proficiency Test score _____						
	Status [] Normal [] Warning 1 [] Warning 2 [] Probation					Status [] Normal [] Warning 1 [] Warning 2 [] Probation						
Summer												
					EES 300	Electrical Engineering Training	Junior standing	1(0-40-0)				
4	EES xxx	Technical Elective		3(x-x-x)		(a)EES 498	Electrical Engineering Project	Senior standing	5(0-15-0)			
	IES 303	Engineering Management & Cost Analysis	None	3(3-0-6)		XXX xxx	Free Electives		3(x-x-x)			
						XXX xxx	Free Electives		3(x-x-x)			
	TU101	Thailand, ASEAN, and the World	None	3(3-0-6)		or						
	MES 371	Material Science for Engineers	None	3(3-0-6)		(b)EES 496	Special Study in EE I	Consent of Head	3(3-0-6)			
	Option I : Communication Engineering											
	EES 450	Signal Processing and Comm. Lab	EES351 and EES472	1(0-3-0)		(b)EES 497	Special Study in EE III	Consent of Head	2(2-0-4)			
	EES 454	Communication Networks and Transmission Lines	EES351	3(3-0-6)		XXX xxx	Free Electives		3(x-x-x)			
	EES 457	Broadband Communication	EES351	3(3-0-6)		or						
	Option II : Power Engineering											
	EES 340	Electrical Machines Laboratory	EES341	1(0-3-0)		(c)EES 499	Extended EE Training	Senior standing	6(0-40-0)			
	EES 442	Power Electronics	EES331	3(3-0-6)					11(x-x-x)			
EES 445	Renewable Energy	None	3(3-0-6)									
			19(x-x-x)									
	English Proficiency Test score _____					English Proficiency Test score _____						
	Status [] Normal [] Warning 1 [] Warning 2 [] Probation					Status [] Normal [] Warning 1 [] Warning 2 [] Probation						