

Check list

Electrical Engineering Curriculum 2019 (2562)

<i>Student ID</i>	<i>Advisor</i>	<i>English Proficiency Test</i>	<i>Admission</i>
_____	_____	[] TOEIC _____	[] Normal
<i>Student's Name (in English)</i>	<i>student's Mobile Phone Number</i>	[] IELTS _____	[] Re-entry _____ Cr.
_____	_____	[] TU-GET _____	[] Transfer _____ Cr.
<i>Students's Name (in Thai)</i>	<i>E-mail address</i>	[] 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, ar	None	3(3-0-6)					19(17-6-34)		
			20(18-6-36)								
	TU 050 English Skill Development _____					TU 050 English Skill Development _____					
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	<i>Status</i> [] Normal [] Warning 1 [] Warning 2 [] Probation					<i>Status</i> [] 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 Instrumentat	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)								
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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	3(3-0-6)		MES 211	Thermofluids	SCS138 or GTS121	3(3-0-6)		
			EES315 or IES302 (Co)			EES 398	EE Project Design II	Junior standing	1(0-3-0)		
		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	EES371	3(3-0-6)		EES 455	Mobile Communications	EES351	3(3-0-6)		
		Embedded System				EES 472	Digital Signal Processing	EES281	3(3-0-6)		
				19(18-3-36)							
		Option II : Power Engineering									
						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)			
								21			
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4						Summer					
						EES 300	Electrical Engineering Training	Junior standing	1(0-40-0)		
	EES xxx	Technical Elective		3(x-x-x)		(a)EES 498	Electrical Engineering Project	Senior standing	5(0-15-0)		
	IES 303	Engineering Management	None	3(3-0-6)		XXX xxx	Free Electives		3(x-x-x)		
		& Cost Analysis				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					(b)EES 497 Special Study in EE III Consent of Head 2(2-0-4)				
	EES 450	Signal Processing and Comm. Lab	EES351andEES472	1(0-3-0)		XXX xxx	Free Electives		3(x-x-x)		
	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					(c)EES 499 Extended EE Training Senior standing 6(0-40-0)				
	EES 340	Electrical Machines Laboratory	EES341	1(0-3-0)						11(x-x-x)	
	EES 442	Power Electronics	EES331	3(3-0-6)							
	EES 445	Renewable Energy	None	3(3-0-6)							
			19(x-x-x)								
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