

School of Energy - BTech Electronics
Part-time Studies

2021 November	*TENTATIVE PLAN		2022	2022	2022	2023	2023	2023	2024	2024
			Jan.-Apr.	May-Aug	Sept.-Dec.	Jan.-Apr.	May-Aug	Sept.-Dec.	Jan.-Apr.	May-Aug
CORE	(38 Credits Required)									
ELEX 7010	Engineering Statistics	Core		X			X			X
ELEX 7020	Multivariable Calculus ...	Core			X			X		
ELEX 7021	Scientific Computing 1	Core			X			X		
ELEX 7030	Thermodynamics	Core			X			X		
ELEX 7040	Engineering Materials	Core	X			X			X	
ELEX 7110	Linear Physical Systems	Core			X			X		
ELEX 7120	Linear Algebra & Vector	Core	X			X			X	
ELEX 7121	Scientific Computing 2	Core	X			X			X	
ELEX 7140	Semiconductor Theory ...	Core	X			X			X	
ELEX 7210	Signal Theory & Process..	Core	X			X			X	
ELEX 7220	Feedback Control	Core	X			X			X	
ELEX 7230	Electromagnetism	Core			X			X		
ELEX 7240	Electric Machines	Core			X			X		
ELEX 7250	Communication Theory ...	Core			X			X		
ELECTIVES	(9 Credits Required)									
ELEX 8010	Data Communication	Elective			X					
ELEX 8030	Real-Time Embedded Sys	Elective		X			X			X
ELEX 8130	Computer Networks	Elective						X		
ELEX 8140	Mobile Communications	Elective		X						X
ELEX 8170	Industrial Sys Electr Des	Elective			X			X		
ELEX 8180	Discrete-Time Contr Sys	Elective	X			X			X	
ELEX 8270	Power System Analysis	Elective	X			X			X	
ELEX 8275	RF Design Engineering	Elective								
ELEX 8285	Power System Protection	Elective		X			X			X
MANAGEMENT	(9 Credits Required)									
BUSA 7250	Management Skills & App	Req'd	X	X	X	X	X	X	X	X
ELEX 8280	Engineering Law	Req'd	X			X			X	
FMGT 8295	Engineering Economics	Req'd		X			X			X
PROJECT	(5 Credits Required)									
ELEX 8300	Industry Project	Req'd	X	X	X	X	X	X	X	X

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LIBERAL STUDIES	(12 Credits Required)									
LIBS 7001	Critical Writing	Req'd	X	X	X	X	X	X	X	X
LIBS 7002	Applied Ethics	Req'd	X	X	X	X	X	X	X	X
LIBS XXXX	Student's choice	Req'd	X	X	X	X	X	X	X	X
LIBS XXXX	Student's choice	Req'd	X	X	X	X	X	X	X	X
Tutorials	(No credits)									
ELEX 0362	MATLAB-SIMULINK	Optional	X	X		X	X		X	X
ELEX 0371	Control	ELEC-A2	X			X			X	
ELEX 0372	Advanced Control Systems	ELEC-B2	X			X			X	
ELEX 0374	Circuits	ELEC-A1	X			X			X	
ELEX 0375	Power System & M/Cs	ELEC-A6	X			X			X	
ELEX 0376	Power Systems Engineering	ELEC-B7	X			X			X	

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CORE	(38 Credits Required)											
ELEX 7010	Engineering Statistics	Core			X			X			X	
ELEX 7020	Multivariable Calculus ...	Core	X			X			X			X
ELEX 7021	Scientific Computing 1	Core	X			X			X			X
ELEX 7030	Thermodynamics	Core	X			X			X			X
ELEX 7040	Engineering Materials	Core		X			X			X		
ELEX 7110	Linear Physical Systems	Core	X			X			X			X
ELEX 7120	Linear Algebra & Vector	Core		X			X			X		
ELEX 7121	Scientific Computing 2	Core		X			X			X		
ELEX 7140	Semiconductor Theory ...	Core		X			X			X		
ELEX 7210	Signal Theory & Process..	Core		X			X			X		
ELEX 7220	Feedback Control	Core		X			X			X		
ELEX 7230	Electromagnetism	Core	X			X			X			X
ELEX 7240	Electric Machines	Core	X			X			X			X
ELEX 7250	Communication Theory ...	Core	X			X			X			X
ELECTIVES	(9 Credits Required)											
ELEX 8010	Data Communication	Elective	X						X			
ELEX 8030	Real-Time Embedded Sys	Elective			X			X			X	
ELEX 8130	Computer Networks	Elective				X						X
ELEX 8140	Mobile Communications	Elective						X				
ELEX 8170	Industrial Sys Electr Des	Elective	X			X			X			X
ELEX 8180	Discrete-Time Contr Sys	Elective		X			X			X		
ELEX 8270	Power System Analysis	Elective		X			X			X		
ELEX 8275	RF Design Engineering	Elective										
ELEX 8285	Power System Protection	Elective			X			X			X	
MANAGEMENT	(9 Credits Required)											
BUSA 7250	Management Skills & App	Req'd	X	X	X	X	X	X	X	X	X	X
ELEX 8280	Engineering Law	Req'd		X			X			X		
FMGT 8295	Engineering Economics	Req'd			X			X			X	
PROJECT	(5 Credits Required)											
ELEX 8300	Industry Project	Req'd	X	X	X	X	X	X	X	X	X	X

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STUDIES												
LIBS 7001	Critical Writing	Req'd	X	X	X	X	X	X	X	X	X	X
LIBS 7002	Applied Ethics	Req'd	X	X	X	X	X	X	X	X	X	X
LIBS XXXX	Student's choice	Req'd	X	X	X	X	X	X	X	X	X	X
LIBS XXXX	Student's choice	Req'd	X	X	X	X	X	X	X	X	X	X
Tutorials	(No credits)											
ELEX 0362	MATLAB-SIMULINK	Optional		X	X		X	X		X	X	
ELEX 0371	Control	ELEC-A2		X			X			X		
ELEX 0372	Advanced Control Systems	ELEC-B2		X			X			X		
ELEX 0374	Circuits	ELEC-A1		X			X			X		
ELEX 0375	Power System & M/Cs	ELEC-A6		X			X			X		
ELEX 0376	Power Systems Engineering	ELEC-B7		X			X			X		