

Not offered in the semester

BSE-IET Planner

Year:			Year:		
Fall	Spring	Summer	Fall	Spring	Summer

Mathematics Course Requirements	CH	Course	Done	Fall	Spring	Summer	Fall	Spring	Summer
College Algebra	3	MAC1105							
Trigonometry	3	MAC1114							
Statistics	3	STA2023							
Technical Math Route	CH	Course	Done	Fall	Spring	Summer	Fall	Spring	Summer
Engineering Tech. Calculus I	4	EGN2045							
Engineering Tech. Calculus II	3	EGN3046							
OR Graduate Program Route	CH	Course	Done	Fall	Spring	Summer	Fall	Spring	Summer
Pre-Calculus	3	MAC1140							
Calculus I	4	MAC2311C							
Calculus II	4	MAC2312C							
Calculus III	4	MAC2313C							
Differential Equations	3	MAP2302							
Physics Course Requirement (select 1)	CH	Course	Done	Fall	Spring	Summer	Fall	Spring	Summer
Physics with Calculus I	5	PHY2048C							
Applied Mechanics and Physics	3	ETG3541							
Programming Course Req. (select 1)	CH	Course	Done	Fall	Spring	Summer	Fall	Spring	Summer
C# Programming	3	COP2360							
Computer Programming C	3	COP2220							
Computer Programming Java	3	COP2800							
Program Requirements (45 credit hours)	CH	Course	Done	Fall	Spring	Summer	Fall	Spring	Summer
Business Writing	3	GEB3213							
Electricity and Electronics Lecture	3	EET3085							
Applied Logistics	3	ETI4205							
Engineering Quality Assurance	3	ETI3116							
Probability & Statistics for Engineers	3	EGN3443							
Statics	3	EGN3311							
Dynamics	3	EGN3321							
Applied Reliability	3	ETI4186							
Engineering Economics Analysis	3	EGN3613							
Programming for Engineers	3	EGN3214							
Work Design & Measurements	3	EIN3314							
Operations Research	3	ESI4312							
Metrology and Instrumentation and Lab	3	ETS4502C							
PM and Senior Design I	3	ETI4448							
PM and Senior Design II	3	ETG4950C							
Elective Course Requirement (select 1)	CH	Course	Done	Fall	Spring	Summer	Fall	Spring	Summer
Materials and Processes	3	ETI3421							
Energy Systems	3	ETM4220							
Applied Fluid Mechanics	3	ETM4331							
Occupational Safety	3	ETI4704							
Applied Databases	3	COP4708							
Systems Integration	3	CEN4801							
Applied Mechanics and Physics	3	ETG3541							
Requirements Summary	CH	Course Number	Done						
General Education	36	Various							
Lower Level Technical Electives	44	44 Hours							
Upper Level Program Specific	48	48 Hours							
Total Hours		128 Hours							

Prerequisites				
Courses	Classes	FA	SP	SU
Mathematics Requirement				
MAC1105	College Algebra	✓	✓	✓
MAC1114	Trigonometry	✓	✓	✓
STA2023	Elementary Statistics	✓	✓	✓
Technical Math Route				
EGN2045	Engineering Technical Calculus I	✓	✓	
EGN3046	Engineering Technical Calculus II		✓	✓
OR Graduate Math Route				
MAC1140	Pre-Calculus	✓	✓	✓
MAC2311C	Calculus I	✓	✓	✓
MAC2312C	Calculus II	✓	✓	✓
MAC2313C	Calculus III	✓	✓	✓
MAP2302	Differential Equations	✓	✓	✓
Physics Requirement (select 1)				
ETG3541	Applied Mechanics & Physics			✓
PHY2048C	Physics with Calculus I and Lab	✓	✓	
PHY1053C	General Physics I and Lab	✓		
Programming Requirement (select 1)				
COP2220	Computer Programming C	✓	✓	
COP2800	Computer Programming Java	✓	✓	
COP2360	C# Programming	✓	✓	✓
Lower Level Technical Electives: Student must complete 44 approved hours of lower-level technical coursework.				

Requirements (45 credit hours)				
Courses	Classes	FA	SP	SU
EET3085	Electricity and Electronics (Lecture Only) PR: MAC1114	✓	✓	✓
GEB 3213	Business Writing	✓	✓	✓
ETI 4205	Applied Logistics PR: MAC1105	✓		
EGN 3613	Engineering Economics Analysis PR: EGN2045 or MAC2311C		✓	✓
ETI 3116	Engineering Quality Assurance PR: STA2023 or EGN3443		✓	
EGN 3311	Statics PR: EGN2045 or (MAC2311C and ETG3541) or PHY2048C	✓	✓	
EGN 3321	Dynamics PR: EGN3311	✓	✓	
EGN 3443	Probability and Statistics for Engineers PR: MAC1114 or MAC1140	✓		
EGN 3214	Programming for Engineers PR: EGN2045 or MAC2311C	✓		✓
EIN 3314	Work Design and Measurements PR: MAC1105		✓	
ETI 4186	Applied Reliability PR: ETI3116	✓		
ESI 4312	Operations Research PR: EGN3046 or (MAC2313C and EGN3443)		✓	
ETI 4448	Project Management & Senior Design I and Lab PR: EGN3613	✓		
ETG 4950C	Project Management & Senior Design II and Lab PR: ETI4448		✓	
ETS 4502C	Metrology and Instrumentation and Lab PR: EGN3311 or (ETG3541 and EET3085)	✓		
General Education Requirements: Student must complete State required general education courses. This requirement is considered complete with an AA from an accredited Florida State School; two (2) semesters of a foreign language completed in a Florida State School or transferred from a high school; completion of Florida Civics Literacy course and Exam are required.				

Student must select one (1) course (3 credit hours) from below.				
Courses	Classes	FA	SP	SU
ETI 3421	Materials and Processes PR: MAC1114	✓		
ETM 4220	Energy Systems PR: EGN2045 or MAC2311C		✓	
EGN 3046	Engineering Technical Calculus II PR: EGN2045 or MAC2311C	✓		
ETM 4331	Applied Fluid Mechanics PR: EGN2045 or (MAC2311C and ETG3541) or PHY2048C	✓		
ETI 4704	Occupational Safety PR: GEB3213			✓
CEN 4801	Systems Integration PR: (COP4708 and COP3530)	✓	✓	
COP 4708	Applied Database I PR :COP2800 or COP2220 or COP2360	✓	✓	
ETG 3541	Applied Mechanics & Physics PR: EGN2045 or MAC2311C			✓

Legend:

Prerequisites	
BSIET Program Requirement	
Upper-Level Technical Electives	
✓	Course Available
	Not Offered