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Computer Organization & Design 3 CDA4101	
Applied Databases 3 COP4708	
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BSEET Program	
Catalog Year: 2024-2025	

	Prerequisites			
Courses	Classes	FA	SP	SU
	Mathematics Requirement			
MAC1105	College Algebra	✓	✓	\checkmark
MAC1114	Trigonometry	 ✓ 	✓	\checkmark
STA2023	Elementary Statistics	 ✓ 	✓	\checkmark
	Technical Math Route			
EGN2045	Engineering Technical Calculus I	1	~	
EGN 3046	Engineering Technical Calculus II		~	\checkmark
	OR Graduate Math Route			
MAC1140	Pre-Calculus	 ✓ 	✓	\checkmark
MAC2311C	Calculus I	 ✓ 	✓	\checkmark
MAC2312C	Calculus II	~	~	~
MAC2313C	Calculus III	1	✓	✓
MAP2302	Differential Equations	 ✓ 	✓	✓
	Physics Requirement (select 1)			
ETG3541	Applied Mechanics & Physics			~
PHY2048C	Physics with Calculus I and Lab	1	✓	
PHY1053C	General Physics I and Lab	 ✓ 		
	Course Requirements			
CET3116	Digital Technology	~	~	~
EET3085/L	Principles of Electrical Circuits (DC)	1	~	✓
EET1021C	Advanced Electrical Circuits and Lab (AC)	~	~	
EET1141C	Analog Devices and Circuits and Lab		✓	
EGN3214	Programming for Engineers	1		~
	Technical Electives: e 44 approved hours of lower-level technical co		lent r ork.	nust

Requirements (45 credit hours)				
Courses	Classes	FA	SP	SU
ETS 3543C	Programming Logic Applications and Lab	1	1	 ✓
E13 3343C	PR: MAC1105		ľ	*
GEB 3213	Business Writing	✓	✓	✓
EGN 3046	Engineering Technical Calculus II		1	1
EGN 3040	PR: EGN2045 or MAC2311C			
EGN 3613	Engineering Economics Analysis		~	~
	PR: EGN2045 or MAC2311C			
ETI 3116	Engineering Quality Assurance		1	
211 3110	PR: STA2023			
	Statics			
EGN 3311	PR: EGN2045 or MAC2311C and ETG3541	✓	✓	
	or PHY2048C			
EGN 3321	Dynamics		1	
2011 3321	PR: EGN3311			
ETP 4240 & ETP 4240L	Power Systems & Lab	~		
	PR: EET1021C Co-R: ETP4240L			
EET 3716	Network Analysis	1		
221 3710	PR: EET1021C and EGN2045 or MAC2311C	ľ		
CET 3198 &	Digital Systems & Lab			
CET 3198 &	PR: CET3116 or CET1112C and MAD2104 or	~		
CET SISOL	COT3100 Co-R: CET3198L			
EET 4158 &	Linear Integrated Circuits & Lab			
EET 4158 &	PR: EET1141C and EET3716		 ✓ 	
221 41502	Co-R: EET4158L			
EET 4732 &	Feedback Control Systems & Lab			
EET 4732L	PR: EET3716 and PHY2048 or ETG3541 or PHY1053		✓	
LLI 47 52L	Co-R: EET4732L			
ETI 4448	Project Management & Senior Design I and Lab	~		
	PR: EGN3613			
ETG 4950C	Project Management & Senior Design II and Lab		1	
	PR: ETI4448			
	cation Requirements:		Stud	
	ete State required general education courses. This requ			
	mplete with an AA from an accredited Florida State Sch			
	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.

Courses	Classes	FA	SP	SU
ETI 4205	Applied Logistics	1		
E11 4205	PR: MAC1105	1		
ETM 4220	Energy Systems		1	
	PR: EGN2045 or MAC2311C			
EGN 3343	Thermodynamics			
	(Offered every 2 years, Even)	✓		
	PR: PHY2048C and EGN3046 or MAP2302C			
ETM 4331	Applied Fluid Mechanics	1		
EIM 4551	PR: EGN2045 or MAC2311C and ETG3541 or PHY2048C			
ETI 4704	Occupational Safety			
	PR: GEB3213			√
CDA 4101	Computer Organization and Design	1	~	
	PR: CET1112C or CET3116	1 °		
COP 4708	Applied Database I		~	
	PR :COP2800 or COP2220 or COP2360	∼		
COP 4610	Operating Systems	1	~	
COP 4610	PR: CTS3348 or CTS2321] `		
CEN 4010	Software Engineering		~	
	PR: COP3530			
EGN 3214	Programming for Engineers			
	PR: EGN2045 or MAC2311C	√		1

Student must select one (1) course (3 credit hours) from below.

Legend:

Prerequisites			
BSET Program Requirement			
al Electives			
Course Available			
3			

Not Offered