DAYTONA STATE COLLEGE

BSET-EET Planner

		Not offered in the semester

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							
Prerequisites		**Course**	**Done**	**Fall**	**Spring**	**Summer**	**Fall**	**Spring**	**Summer**
Electricity and Electronics Lecture (DC Circuits)	3	EET3085							
Electricity and Electronics Lab	1	EET3085L							
Advanced Electrical Circuits and Lab (AC Circuits)	3	EET1021C							
Analog Devices and Circuits and Lab	4	EET1141C							
Digital Technology	4	CET3116							
Programming for Engineers	3	EGN3214							
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							
General Physics I and Lab	4	PHY1053C							
Course Requirement (select 1)	**CH**	**Course**	**Done**	**Fall**	**Spring**	**Summer**	**Fall**	**Spring**	**Summer**
Statics	3	EGN3311							
Applied Mechanics and Physics	3	ETG3541							
Program Requirements (42 credit hours)	**CH**	**Course**	**Done**	**Fall**	**Spring**	**Summer**	**Fall**	**Spring**	**Summer**
Business Writing	3	GEB3213							
Engineering Quality Assurance	3	ETI3116							
Power Systems	3	ETP4240							
Power Systems Lab	1	ETP4240L							
Network Analysis	3	EET3716							
Engineering Tech. Calculus II	3	EGN3046							
Programmable Logic Applications and Lab	3	ETS3543C							
Engineering Economics Analysis	3	EGN3613							
Digital Systems	2	CET3198							
Digital Systems Lab	1	CET3198L							
Dynamics	3	EGN3321							
Linear Integrated Circuits	3	EET4158							
Linear Integrated Circuits Lab	1	EET4158L							
Feedback Control	3	EET4732							
Feedback Control Lab	1	EET4732L							
PM and Senior Design I	3	ETI4448							
PM and Senior Design II	3	ETG4950C							
BSET-EET Electives Requirement (select 1)	**CH**	**Course**	**Done**	**Fall**	**Spring**	**Summer**	**Fall**	**Spring**	**Summer**
Computer Organization & Design	3	CDA4101							
Applied Databases	3	COP4708							
Operating Systems	3	COP4610							
Applied Fluid Mechanics	3	ETM4331							
Energy Systems	3	ETM4220							
Occupational Safety	3	ETI4704							
Applied Logistics	3	ETI4205							
Thermodynamics OFFERED EVERY 2 YRS (**Even years**)	3	EGN3343							
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							

BSEET Program
Catalog Year: 2024-2025

Prerequisites

Courses	Classes	FA	SP	SU
Mathematics Requirement				
MAC1105	College Algebra	✓	✓	✓
MAC1114	Trigonometry	✓	✓	✓
STA2023	Elementary Statistics	✓	✓	✓
Technical Math Route				
EGN2045	Engineering Technical Calculus I	✓	✓	
EGN 3046	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	✓		
Course Requirements				
CET3116	Digital Technology	✓	✓	✓
EET3085/L	Principles of Electrical Circuits (DC)	✓	✓	✓
EET1021C	Advanced Electrical Circuits and Lab (AC)	✓	✓	
EET1141C	Analog Devices and Circuits and Lab		✓	
EGN3214	Programming for Engineers	✓		✓

Lower Level Technical Electives: Student must complete **44** approved hours of lower-level technical coursework.

Requirements *(45 credit hours)*

Courses	Classes	FA	SP	SU
ETS 3543C	**Programming Logic Applications and Lab** PR: MAC1105	✓	✓	✓
GEB 3213	**Business Writing**	✓	✓	✓
EGN 3046	**Engineering Technical Calculus II** PR: EGN2045 or MAC2311C		✓	✓
EGN 3613	**Engineering Economics Analysis** PR: EGN2045 or MAC2311C		✓	✓
ETI 3116	**Engineering Quality Assurance** PR: STA2023		✓	
EGN 3311	**Statics** PR: EGN2045 or MAC2311C **and** ETG3541 or PHY2048C	✓	✓	
EGN 3321	**Dynamics** PR: EGN3311		✓	
ETP 4240 & ETP 4240L	**Power Systems & Lab** PR: EET1021C Co-R: ETP4240L	✓		
EET 3716	**Network Analysis** PR: EET1021C **and** EGN2045 or MAC2311C	✓		
CET 3198 & CET 3198L	**Digital Systems & Lab** PR: CET3116 or CET1112C **and** MAD2104 or COT3100 Co-R: CET3198L	✓		
EET 4158 & EET 4158L	**Linear Integrated Circuits & Lab** PR: EET1141C **and** EET3716 Co-R: EET4158L		✓	
EET 4732 & EET 4732L	**Feedback Control Systems & Lab** PR: EET3716 **and** PHY2048 or ETG3541 or PHY1053 Co-R: EET4732L		✓	
ETI 4448	**Project Management & Senior Design I and Lab** PR: EGN3613	✓		
ETG 4950C	**Project Management & Senior Design II and Lab** PR: ETI4448		✓	

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

Legend:

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