DAYTONA STATE COLLEGE

BSIET Program
Catalog Year: 2025-2026

Prerequisites				
Courses	**Classes**	**FA**	**SP**	**SU**
Mathematics Requirement				
MAC1105	College Algebra	✓	✓	✓
MAC1114	Trigonometry	✓	✓	✓
MAC1140	Pre-Calculus	✓	✓	✓
Technical Math Route				
EGN2045	Engineering Technical Calculus I	✓	✓	
EGN3046	Engineering Technical Calculus II		✓	✓
***OR* Graduate Math Route**				
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	✓	✓	

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 or Higher	✓	✓	✓
GEB 3213	**Business Writing**	✓	✓	✓
	PR: ENC1101			
ETI 4205	**Applied Logistics**	✓		
	PR: MAC1105 or Higher			
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: EGN2045 or MAC2311C			
EGN 3214	**Programming for Engineers**	✓		✓
	PR: EGN2045 or MAC2311C			
EIN 3314	**Work Design and Measurements**		✓	
	PR: MAC1105 or Higher			
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 **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
ETI4640	**Operations Management**	✓		✓
	MAC1105 or Higher			
ETI 4704	**Occupational Safety**			✓
	PR: GEB3213			
ETI 3421	**Materials and Processes**	✓		
	PR: MAC1114 or Higher			
ETM 4331	**Applied Fluid Mechanics**	✓		
	PR: EGN2045 or (MAC2311C **and** ETG3541) or PHY2048C			
ETM 4220	**Energy Systems**		✓	
	PR: EGN2045 or MAC2311C			
CEN 4801	**Systems Integration**	✓	✓	
	PR: (COP4708 and COP3530)			
COP 4708	**Applied Database I**	✓	✓	
	PR :COP2800 or COP2220 or COP2360 or EGN3214			
EGN 3343	**Thermodynamics**			✓
	PR: (PHY2048C or ETG3541) **and** (EGN3046 or MAP2302C)			

Legend:

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