

BSET Program

<i>Prerequisites</i>				
Courses	Classes	FA	SP	SU
Mathematics Requirements				
MAC1105	College Algebra	✓	✓	✓
MAC1114	Trigonometry	✓	✓	✓
STA2023	Statistics	✓	✓	✓
Technical Math Route				
EGN2045	Engineering Tech Calculus I	✓	✓	■
ENG3046	Engineering Tech Calculus II	■	✓	✓
-OR- Graduate Program Route				
MAC1140	Pre-Calculus	✓	✓	✓
MAC2311C	Calculus I	✓	✓	✓
MAC2312C	Calculus II	✓	✓	✓
MAC2313C	Calculus III	✓	✓	✓
MAP2302	Differential Equations	✓	✓	✓
Other Requirements				
PHY2048C	Physics with Calc I	✓	✓	■
OR				
ETG3541	Applied Mechanics & Physics	■	■	✓
(Select one-Programming Course)				
COP2220	C Programming	✓	✓	■
COP2800	Java Programming	✓	✓	■
COP2360	C# Programming	✓	✓	✓
ENG3214	Programming for Engineers	✓	■	✓
Lower Level Tech Electives (LLTE)				
Students must complete 44 approved hours of lower level technical coursework.				

<i>Requirements (37 hours)</i>				
Courses	Classes	FA	SP	SU
ETS3543C	Prog. Logic Applications PR: MAC1105	✓	✓	✓
EET3085/L	Electricity & Electronics PR: MAC114	✓	✓	✓
GEB 3213	Business Writing PR: ENC1101	✓	✓	✓
EGN3613	Engineering Economics PR: MAC2311C or EGN2045	■	✓	✓
(Select One- Materials Course)				
ETI3421	Materials & Processes PR: MAC2311C	✓	■	■
ETC4241/L	Construction Materials PR: MAC2311C or EGN2045 & ETG3541 or PHY2048C	■	✓	■
(Select One- Energy Cause)				
ETM4220	Energy Systems PR: MAC2311C or EGN2045	■	✓	■
EGN3343	Thermodynamics PR: PHY2048C & MAP2302 or EGN3046	✓	■	■
ETS4502C	Metrology & Instrumentation PR: EGN3311 & EET3085 & EGN2045 or MAC2311C	✓	■	■
EGN3046	Engineering Tech Calculus II PR: MAC2311C or EGN2045	■	✓	✓
EGN3311	Statics PR: EGN2045 or MAC2311C & ETG3541 or PHY2048C	✓	■	■
EGN3321	Dynamics PR: EGN3311	■	✓	■
ETI4448	PM & Senior Design I PR: EGN3613	✓	■	■
ETG4950C	PM & Senior Design II PR: ETI4448	■	✓	■
General Education Requirements				
You must complete the state required general education courses. This requirement is considered complete with an AA from a Florida State School. Two semesters of a foreign language completed in a Florida State School or transferred from a high school is also required.				

Must Select Two Upper Level Courses from one of the Specializations Below (6 hours)

Courses	Classes	FA	SP	SU
Industrial Fundamentals				
ETI4205	Applied Logistics	✓	■	■
ETI3116	Engineering Quality Assurance PR: STA2023	■	✓	■
ETI4640	Operations Management PR: ETI3116	■	✓	■
ETI4704	Occupational Safety PR: GEB3213	■	■	✓
ETI4186	Applied Reliability PR: ETI3116	✓	■	■
Construction and Design				
ETG3533	Strengths of Materials & Lab PR: EGN3311	■	✓	■
ETC4241	Construction Materials & Lab PR: EGN2045 or MAC2311C & ETG3541 or PHY2048C	■	✓	■
ETC4414C	Structural Steel Design & Lab PR: ETG3533/L Offered Every 2 Yrs-EVEN	✓	■	■
ETC4415C	Structural Concrete Design & Lab PR: ETG3533/L Offered Every 2 Yrs-ODD	■	✓	■
ETC4206	Construction Estimating PR: ETC4241 and MAC1114 Offered Every 2 Yrs-EVEN	■	✓	■

Legend:


Prerequisites

BSET Requirements

Upper Level Technical Electives

Upper Level Technical Electives (Construction and Design Certificate)

✓ = Available

 = Not Offered