

INTEGRATED ENGINEERING TECHNOLOGY - DIPLOMA

Offered at: Bluegrass Community and Technical College

Program Plan Number: 1442014019

Course	Title	Credits
Required		
<i>Area 1</i>		
Select one of the following three options:		3
ENG 101	Writing I	
COM 181	Basic Public Speaking	
Heritage/Humanities		
<i>Area 2</i>		
Select one of the following two options:		3
MAT 126	Technical Algebra and Trigonometry	
Higher Level Quantitative Reasoning Course		
Subtotal		6
Technical Courses		
Digital literacy Course (CIT 105 or OST 105)		3
IET 104	Blueprint Reading/Schematics	2
IET 121	Basic Electricity	4
IET 202	Motor Controls and Sensing Devices	4
IET 204	Automated Motor Controls	6
IET 205	Robot Maintenance	4
IET 207	Electro-Hydraulics and Pneumatics	4
IET 208	Mechanical Drives	4
IET 110	Welding and Fabrication	4
IET 128	Introduction to Machine Tool Operation	3
or CMM 110	Fundamentals of Machine Tools - A	
IET 111	Lean Safety Culture	1
IET 112	Lean Manufacturing Concepts -TPS	1
IET 113	Lean 5S Methodology	1
IET 114	Lean Problem Solving Methodology	1
IET 115	Lean Machine Reliability	1
Subtotal		43
Total Credits		49