

# APPLIED ENGINEERING TECHNOLOGY DEGREE

Program Code: A40130

Course	Title	Hours
<b>First Year</b>		
<b>Fall</b>		
AHR-120	HVACR Maintenance	2
AHR-160	Refrigerant Certification	1
BAT-111	Building Automation Systems	2
CIS-110	Introduction to Computers	3
ELC-131	Circuit Analysis I	4
WLD-112	Basic Welding Processes	2
ENG-111	Writing and Inquiry	3
<b>Hours</b>		<b>17</b>
<b>Spring</b>		
ISC-112	Industrial Safety	2
MNT-120	Industrial Wiring Methods	2
BPR-115	Electrical/Fluid Power Diagrams	2
ELC-117	Motors and Controls	4
DFT-119	Basic CAD	2
MNT-110	Introduction to Maintenance Procedures	2
MAT-121 or MAT-110	Algebra/Trigonometry I or Mathematical Measurement and Literacy	3
<b>Hours</b>		<b>17</b>
<b>Second Year</b>		
<b>Fall</b>		
ELC-128	Introduction to Programmable Logic Controller	3
HYD-110	Hydraulics/Pneumatics I	3
ATR-112	Introduction to Automation	3
PTC-110	Industrial Environment <sup>1</sup>	3
BPM-110	Bioprocess Practices	5
HUM-115 or PHI-240	Critical Thinking or Introduction to Ethics	3
<b>Hours</b>		<b>20</b>
<b>Spring</b>		
ELC-213	Instrumentation	4
MEC-111	Machine Processes I	3
ELC-228	Programmable Logic Controllers Applications	4
PSY-118 or PSY-150	Interpersonal Psychology or General Psychology	3
COM-120 or ENG-112	Introduction to Interpersonal Communication or Writing and Research in the Disciplines	3
<b>Hours</b>		<b>17</b>
<b>Total Hours</b>		<b>71</b>

<sup>1</sup> Job Shadowing at Biotech Co. required for BIO blend cohort