

**INDUSTRIAL SYSTEMS TECHNOLOGY  
A50240  
Suggested Sequence: Day Students  
2008-2009**

			<b>Class</b>	<b>Lab</b>	<b>Credit</b>
<b>Fall Semester</b>					
ACA	111	College Student Success	1	0	1
ELC	112	DC/AC Electricity	3	6	5
ELC	113	Basic Wiring I	2	6	4
ELC	118	National Electrical Code	1	2	2
ENG	111	Expository Writing	3	0	3
<b>Total Credit Hours:</b>					<b>15</b>

<b>Spring Semester</b>					
ELC	114	Basic Wiring II	2	6	4
ELC	117	Motors and Controls	2	6	4
ISC	112	Industrial Safety	2	0	2
MAT	115	Mathematical Models	2	2	3
Program Elective					3
<b>Total Credit Hours:</b>					<b>16</b>

<b>Summer Semester</b>					
ELC	115	Industrial Wiring	2	6	4
Humanities/Fine Arts Elective			3	0	3
Program Elective					3
<b>Total Credit Hours:</b>					<b>10</b>

			<b>Class</b>	<b>Lab</b>	<b>Credit</b>
<b>Fall Semester</b>					
MAC	111	Machining Technology I	2	12	6
MNT	110	Intro to Maint Procedures	1	3	2
WLD	112	Basic Welding Processes	1	3	2
Social/Behavioral Science Elective			3	0	3
<b>Total Credit Hours:</b>					<b>13</b>

<b>Spring Semester</b>					
BPR	111	Blueprint Reading	1	2	2
CIS	110	Intro to Computers	2	2	3
ENG	114	Research & Reporting	3	0	3
HYD	110	Hydraulics/Pneumatics	2	3	3
Program Elective					3
<b>Total Credit Hours:</b>					<b>14</b>

<b>Summer Semester</b>					
Program Elective					3
<b>Total Credit Hours:</b>					<b>3</b>

**Total Hours Required for Graduation: 71**

Program Electives:

AHR	110	Intro to Refrigeration	2	6	5
AHR	112	Heating Technology	2	4	4
AHR	113	Comfort Cooling	2	4	4
COE	XXX	Co-op Work Experience	0	0	1
COE	XXX	Co-op Work Experience	0	0	2
ELC	119	NEC Calculations	1	2	2
ELC	128	Intro to PLC	2	3	3
ELC	135	Electrical Machines I	2	2	3
ELN	229	Industrial Electronics	2	4	4
MAC	112	Machining Technology II	2	12	6
WLD	110	Cutting Processes	1	3	2
WLD	111	Oxy-Fuel Welding	1	3	2
WLD	115AB	SMAW (Stick) Plate-A	1	5	3
WLD	115BB	SMAW (Stick) Plate-B	1	4	2

Co-op Option: Qualified students may elect to take up to 3 credit hours of cooperative education in place of 3 hours of Program Elective.