

# Industrial Systems Technology (Fall 2011)

## Student Advisement Checklist

Updated 6/23/2011

Student Name \_\_\_\_\_


Students must complete all preparatory classes to earn a Degree, Diploma, and/or Certificate. (Co or Prerequisite(s) in parentheses)

Writing Score _____	Numerical Score _____	Elementary Algebra Score _____	Reading Score _____	Computer Score _____
___ Basic Skills (0-29) [20-40] ___ ENG 080 (30-34) [41-65] ___ ENG 090/090A (35-40) [66-85] ___ ENG 111(≥ 41) [ ≥ 86]	___ Basic Skills (0-29) [20-29] ___ MAT 060 (30-37) [30-54] ___ MAT 060 <b>NOT Needed</b> (≥41) [ ≥ 55]	___ MAT 070 (23-40) [< 55] ___ MAT 120(≥ 41) [ ≥ 55]	___ Basic Skills (0-29) [20-38] ___ RED 080 (30-34) [39-56] ___ RED 090 (35-40) [57-79] <b>No reading required</b> (≥41) [ ≥ 80]	___ CTS 080 (0-59) ___ 60 or higher CIS 110 or CIS 111 ___ Web courses (≥70) ___ ≥ 85 may challenge CIS 111
___ ACA 115 (If two or more Preparatory Courses needed) <b>Scores in ( )</b> are Asset Scores <b>Scores in [ ]</b> are Accuplacer Scores    Computer Score <b>Based on SAMS Challenge</b>				

A.A.S. Degree			A50240
Complete	Course		Credit
<b>1st Fall</b>			
	BPR 111	Blueprint Reading (ENG 085 and CTS 080)	2
	MAT 115	Mathematical Models (MAT 070)	3
	MNT 110	Introduction to Maintenance Procedures (ENG 085 and CTS 080)	2
	CIS 110 or CIS 111	Introduction to Computers (CTS 080) Basic PC Literacy (CTS 080)	3 2
	ELC 111	Introduction to Electricity (ENG 085 and CTS 080)	3
<b>1st Spring</b>			
	ELC 115	Industrial Wiring (ELC 111)	4
	MEC 111	Machine Processes I (BPR 111)	3
	AHR 120	HVAC Maintenance (ENG 085 and CTS 080)	2
	HYD 110	Hydraulics/ Pneumatics (ENG 085 and CTS 080)	3
	WLD 112	Basic Welding Processes (ENG 085 and CTS 080)	2
	AHR 160	Refrigerant Certification (ENG 085 and CTS 080)	1
<b>1st Summer</b>			
	ENG 111	Expository Writing (ENG 095 and CTS 080)	3
	ISC 112	Industrial Safety (ENG 085 and CTS 080)	2
	WLD 212	Inert Gas Welding (ENG 085 and CTS 080)	2
<b>2nd Fall</b>			
	MEC 112	Machine Processes II (MEC 111)	3
	HUM XXX	Humanities Elective (ENG 095 and CTS 080)	3
	ELC 117	Motors and Controls (ELC 111)	4
	MEC 165	Fabrication Techniques (MEC 111 & WLD 112)	2
	ELC 215	Electrical Maintenance (ELC 111)	3
<b>2nd Spring</b>			
	ELC 128	Introduction to PLC's ( ELC111)	3
	MNT 240	Industrial Equipment Troubleshooting (MAT 070)	2
	ENG 114	Professional Research and Reporting (ENG 111)	3
	SBE XXX	Social Behavioral Science (ENG 095 and CTS 080)	3
	WLD 115	SMAW (Stick) Plate (ENG 085 and CTS 080)	5
<b>TOTAL CREDIT HOURS</b>			<b>65-66</b>

Diploma			D50240
Complete	Course		Credit
<b>1st Fall</b>			
	BPR 111	Blueprint Reading (ENG 085 and CTS 080)	2
	MNT 110	Introduction to Maintenance Procedures (ENG 085 and CTS 080)	2
	ELC 111	Introduction to Electricity (ENG 085 and CTS 080)	3
	MAT 101	Applied Mathematics I (MAT 060)	3
	CIS 110 or CIS 111	Introduction to Computers (CTS 080) Basic PC Literacy (CTS 080)	3 2
<b>1st Spring</b>			
	ELC 115	Industrial Wiring (ELC 111)	4
	HYD 110	Hydraulics/Pneumatics (ENG 085 and CTS 080)	3
	MEC 111	Machine Processes I (BPR 111)	3
	AHR 120	HVAC Maintenance (ENG 085 and CTS 080)	2
	WLD 112	Basic Welding Processes (ENG 085 and CTS 080)	2
	AHR 160	Refrigerant Certification (ENG 085 and CTS 080)	1
<b>1st Summer</b>			
	WLD 212	Inert Gas Welding (ENG 085 and CTS 080)	2
	ENG 102	Applied Communications II (ENG 085 and CTS 080)	3
	ISC 112	Industrial Safety (ENG 085 and CTS 080)	2
<b>TOTAL CREDIT HOURS</b>			<b>35</b>

Certificate: Welding and Fabrication			C50240W
Complete	Course		Credit
	WLD 112	Basic Welding Processes (ENG 085 and CTS 080)	2
	WLD 212	Inert Gas Welding (ENG 085 and CTS 080)	2
	WLD 115	SMAW (Stick) Plate (ENG 085 and CTS 080)	5
	BPR 111	Blueprint Reading (ENG 085 and CTS 080)	2
	MEC 111	Machine Processes I (BPR 111)	3
	MEC 165	Fabrication Techniques (MEC 111 & WLD 112)	2
<b>TOTAL CREDIT HOURS</b>			<b>16</b>

over 

<b>Certificate: Electromechanical Systems</b>			<b>C50240E</b>
<b>Complete</b>	<b>Course</b>	<b>Credit</b>	
	BPR 111	Blueprint Reading (ENG 085 and CTS 080)	2
	ELC 111	Introduction to Electricity (ENG 085 and CTS 080)	3
	ELC 115	Industrial Wiring (ELC 111)	4
	HYD 110	Hydraulics/Pneumatics (ENG 085 and CTS 080)	3
	MNT 110	Introduction to Maintenance Procedures (ENG 085 and CTS 080)	2
	AHR 120	HVAC Maintenance (ENG 085 and CTS 080)	2
	WLD 112	Basic Welding Processes (ENG 085 and CTS 080)	2
<b>TOTAL CREDIT HOURS</b>			<b>18</b>