



**Applied Technologies**  
**Graduation Evaluation Checklist**  
**2007 - 2008**

**CERTIFICATE IN ELECTRONICS TECHNOLOGY  
AND  
ASSOCIATE OF APPLIED SCIENCE DEGREE IN ELECTRONICS TECHNOLOGY  
WITH CONCENTRATION IN PROCESS CONTROL**

\_\_\_\_\_  
Student Name \_\_\_\_\_  
CNM ID Number

<u>Grade</u>	<u>Course Name and Equivalencies</u>	<u>Credits</u>
___	ELEC 1001 (ELEC 103A) Electronics Fundamentals A (or ELEC 103L).....	4
___	ELEC 1005 (ELEC 103B) Electronics Fundamentals B (or ELEC 103L) .....	4
___	ELEC 1010 (ELEC 104) Electronics Mathematics .....	4
___	ELEC 1015 (ELEC 105A) Digital Circuits I (or ELEC 105L).....	3
___	ELEC 1020 (ELEC 105B) Digital Circuits II.....	3
___	ELEC 1025 (ELEC 275L) Soldering Techniques (or ELEC 276L <b>and</b> ELEC 277L).....	3
___	ENG 1101 (ENG 101) College Writing	
	<b>or</b> ENG 1102 (ENG 102) Analytic and Argumentative Writing.....	3
	 <b>TOTAL FOR CERTIFICATE .....</b>	 <b>24</b>

**Additional Degree Requirements**

___	CHEM 1510/1592 (CHEM 121/121L) General Chemistry I/Lab	
	<b>or</b> PHYS 1510/1592 (PHYS 151/151L) Physics I/Lab	
	<b>or</b> higher Chemistry or Physics .....	4-5
___	ELEC 2001 (ELEC 114L) Semiconductor Devices (or ELEC 114A & ELEC 114B) .....	6
___	ELEC 2005 (ELEC 118L) Electromechanical Devices (or ELEC 118A & 118B) .....	6
___	ELEC 2010 (ELEC 203L) Introduction to Embedded Systems-Microcontrollers (or ELEC 203A & 203B) .	4
___	ELEC 2015 (ELEC 205L) Analog Circuits.....	4
___	ELTR 2210 (ELTR 212) Programmable Logic Controller Theory .....	4
___	ELTR 2292 (ELTR 213L) PLC Installation and Operation.....	3
___	ENG 1119 (ENG 119) Technical Communications	
	<b>or</b> ENG 2219 (ENG 219) Technical Writing	
	<b>or</b> COMM 2221 (COMM 221) Interpersonal Communication Studies	
	<b>or</b> COMM 2225 (COMM 225) Small-Group Communication Studies	
	<b>or</b> COMM 2232 (COMM 2232) Business and Professional Communication Studies .....	3
___	Humanities or Social/Behavioral Science Elective.....	3

___	MATH 1210 (MATH 119) Methods of Problem Solving or higher (except MATH 1320 (MATH 129), MATH 2110 (MATH 215) and MATH 2096 (MATH 296)).....	3-4
___	PC 2001 (PC 201) Electromechanical System Troubleshooting .....	4
___	PC 2015 (PC 211) Power RF.....	2
___	PC 2020 (PC 212L) Vacuum Systems II.....	2
___	Technical Elective (see list below).....	3
	<b>TOTAL FOR DEGREE .....</b>	<b>75-77</b>

**Technical Electives (3 credits required)**

ELEC 1096 Topics .....	2-8
ELEC 2095 (ELEC 299) Cooperative Education .....	3
ELEC 2097 (ELEC 297) Independent Study .....	2-8
ELEC 2098 (ELEC 298) Internship .....	3
ELTR 2392 (ELTR 214L) PLC Systems Operation and Troubleshooting.....	3
MATT 1005 (MATT 102) Metals Blueprint Reading I .....	2
MATT 1035 (MATT 113) Metals Blueprint Reading II .....	2
MATT 1292 (MATT 105L) Basic Supporting Machine Tool Principles.....	2
MEMS 1001 (MEMS 101) Introduction to MEMS (or PC 210).....	3
PC 2005 (PC 206) CIM Theory and Applications and Mobile Robot Design.....	3
PC 2010 (PC 208) Robot Theory and Construction Applications .....	3
SMT 2001(SMT 204) Semiconductor Manufacturing Technology Theory .....	3
SMT 2092 (SMT 204L) Semiconductor Manufacturing Technology Lab .....	2