



APPLIED TECHNOLOGIES\

Albuquerque Technical Vocational Institute Graduation Evaluation Checklist 2005 - 2006 Catalog

ELECTRONICS TECHNOLOGY - PROCESS CONTROL CONCENTRATION

CERTIFICATE AND DEGREE REQUIREMENTS

____ ELEC 103A	(4 credit hours)	Electronics Fundamentals A (ELEC 103L 8 credits)
____ ELEC 103B	(4 credit hours)	Electronics Fundamentals B (ELEC 103L 8 credits)
____ ELEC 104	(4 credit hours)	Electronics Mathematics
____ ELEC 105A	(3 credit hours)	Digital Circuits I (ELEC 105L)
____ ELEC 105B	(3 credit hours)	Digital Circuits II
____ ENG 101	(3 credit hours)	College Writing (ENG 102 is acceptable substitution)
____ ELEC 275L	(3 credit hours)	Soldering Techniques (or ELEC 276L & ELEC 277L)

TOTAL FOR CERTIFICATE 24

ADDITIONAL ASSOCIATE DEGREE REQUIREMENTS

____ CHEM 121/121L	(4 credit hours)	General Chemistry I/Lab
<i>or</i> ____ PHYS 151/151L	(5 credit hours)	Physics I/Lab
____ ELEC 114L	(6 credit hours)	Semiconductor Devices (ELEC 114A & ELEC 114B)
____ ELEC 118L	(6 credit hours)	Electromechanical Devices (ELEC 118A & 118B)
____ ELEC 203L	(4 credit hours)	Introduction to Microprocessors (203A & 203B)
____ ELEC 205L	(4 credit hours)	Analog Circuits
____ ENG 119	(3 credit hours)	Technical Communications (ENG 219 is acceptable substitution)
____ MATH 119	(4 credit hours)	Methods of Problem Solving
<i>or</i> ____ MATH 120	(4 credit hours)	Intermediate Algebra
<i>or</i> ____ MATH 121	(3 credit hours)	College Algebra
<i>or</i> ____ MATH 145	(3 credit hours)	Introduction to Probability and Statistics
<i>or</i> ____ MATH 150	(4 credit hours)	Advanced Algebra
<i>or</i> ____ MATH 162	(4 credit hours)	Calculus I

<i>or</i> ___ MATH 180	(3 credit hours)	Elements of Calculus I
___ ELTR 212	(4 credit hours)	Programmable Logic Controller Theory
___ ELTR 213L	(3 credit hours)	PLC Installation and Operation
___ HUM/SOC	(3 credit hours)	Humanities or Social/Behavioral Science Elective
___ PC 201	(4 credit hours)	Electromechanical System Troubleshooting
___ PC 211	(2 credit hours)	Power RF
___ PC 212L	(2 credit hours)	Vacuum Systems II
___ Electives	(5 credit hours)	5 credits from: PC 206, PC 208, SMT 204/204L or Technical Elective

TECHNICAL ELECTIVES

___ ELEC 296	(1-8 credit hours)	Topics
___ ELEC 297	(2-8 credit hours)	Special Problems
___ ELEC 298	(3 credit hours)	Internship
___ ELEC 299	(3 credit hours)	Cooperative Education
___ ELTR 214L	(3 credit hours)	PLC Systems Operation and Troubleshooting
___ MATT 102	(2 credit hours)	Metals Blueprint Reading I
___ MATT 105L	(2 credit hours)	Basic Supporting Machine Tool Principles
___ MATT 113	(2 credit hours)	Metals Blueprint Reading II
___ MEMS 101	(3 credit hours)	Introduction to MEMS (PC210)

TOTAL CREDITS FOR DEGREE 77-79

***CHECK CATALOG FOR SPECIFIC PREREQUISITES, CREDITS,
OPTIONAL COURSES AND CREDIT HOUR REQUIREMENTS***

STUDENT'S FULL LEGAL NAME (PRINT)

STUDENT I.D. NUMBER

DEPARTMENT APPROVAL SIGNATURE

DATE

9/6/05

ACADEMIC ADVISOR/COUSELOR SIGNATURE

DATE

S6 9/7/05