



**COMPUTING TECHNOLOGY**  
**Computer Programming Concentration**  
**Business and Information Technology**  
**ALBUQUERQUE TECHNICAL VOCATIONAL INSTITUTE**  
**GRADUATION EVALUATION CHECKLIST**  
**2005-2006 CATALOG**

\_\_\_\_\_ **FULL LEGAL NAME**

\_\_\_\_\_ **STUDENT ID NUMBER**

**Computing Technology**

| <u>Grade</u> | <u>Course Name and Equivalencies</u>   |           |
|--------------|--|-----------|
| _____        | (CP 103) Math for Computer Programmers .....                                   | 3         |
| _____        | (CP 107) Programming Logic and Design.....<br><small>(CP 105 -2001/02)</small> | 3         |
| _____        | (CP 128) Personal Computer Operating Systems .....                             | 3         |
| _____        | (CP 183) Network Operating System .....  | 3         |
| _____        | (CP 213) Database Management (MS Access).....                                  | 3         |
| _____        | (CP 235) JAVA Programming I.....   | 3         |
| _____        | (CP 237) JAVA Programming II .....   | 3         |
| _____        | (CP 278A) C++ Programming I.....   | 3         |
| _____        | (CP 278B) C++ Programming II (Object-Oriented Programming) .....               | 3         |
| _____        | (CP 284) Visual Basic I .....  | 3         |
| _____        | (CP 287) Visual Basic II (Client Server Database Applications) .....           | 3         |
| _____        | (CP 292) System Development (Demo Portfolio) .....                             | 1         |
| _____        | (ENG 101) College Writing (ENG 102 is acceptable substitution).....            | 3         |
| _____        | (ENG 119) Technical Communications<br><i>or</i> COMM Elective .....            | 3         |
|              | <b>Total Required for Certificate .....</b>                                    | <b>40</b> |

**Additional Degree Requirements**

|   |   |              |
|---|---|--------------|
| ___   | (MATH 120) Intermediate Algebra<br><i>or</i> (MATH 121) College Algebra<br><i>or</i> (MATH 150) Advanced Algebra.....         | 3            |
| ___   | Humanities or Social/Behavioral Sciences Elective .....   | 3            |
| ___   | (MATH 145 Introduction to Probability and Statistics<br><i>or</i> (MATH 245) Fundamentals of Probability and Statistics ..... | 3            |
| <b><u>21 Credits of approved electives for the degree below</u></b> |   |              |
|   | <b>Total Required for Degree .....</b>  | <b>70-71</b> |

**APPROVED ELECTIVES*****A+ CERTIFICATION COURSES***

|     |  |   |
|-----|--|---|
| ___ | (ELEC 217) Upgrading and Repairing PCs .....     | 3 |
| ___ | (CP 128) Personal Computer Operating System..... | 3 |

***ADVANCED DATABASE ADMINISTRATION COURSES***

|     |  |   |
|-----|--|---|
| ___ | (CP 218) Oracle IDS Build Internet Forms I ..... | 3 |
| ___ | (CP 221) Introduction to Oracle SQL .....        | 3 |
| ___ | (CP 225) Oracle Fundamentals I.....              | 3 |
| ___ | (CP 226) Oracle Fundamentals II .....            | 3 |
| ___ | (CP 227) Oracle Performance Training .....       | 3 |
| ___ | (CP 236) Systems Analysis & Design .....         | 3 |

***OBJECT ORIENTED DEVELOPMENT COURSES***

|     |  |   |
|-----|--|---|
| ___ | (CP 221) Introduction to Oracle SQL .....  | 3 |
| ___ | (CP 236) Systems Analysis & Design .....   | 3 |
| ___ | (CP 237) JAVA Programming II .....   | 3 |
| ___ | (CP 238) JAVA Database Applications (Oracle JDeveloper) .....                          | 3 |
| ___ | (CP 278C) C++ Programming III (Advanced OOP).....<br><small>(CP 281L -2001/02)</small> | 3 |
| ___ | (CP 290) Windows MFC Programming in C++ .....  | 3 |

***ORACLE INTERNET APPLICATION DEVELOPER COURSES***

|     |   |   |
|-----|---|---|
| ___ | (CP 221) Introduction to Oracle SQL .....                     | 3 |
| ___ | (CP 236) Systems Analysis & Design .....                      | 3 |
| ___ | (CP 237) JAVA Programming II (JCert Exam Prep).....           | 3 |
| ___ | (CP 238) JAVA Database Applications (Oracle JDeveloper) ..... | 3 |

\_\_\_\_ (CP 278C) C++ Programming III (Advanced OOP).....3

\_\_\_\_ (CP 290) Windows MFC Programming in C++ .....3

**GENERAL ELECTIVES**

\_\_\_\_ (ACCT 101A) Accounting IA.....3  
(ACCT 101 - 2001/02 = ACCT 101A and ACCT 101B) (ACCT 101 - 2004/05 = ACCT 101A and ACCT 101B)

\_\_\_\_ (CP 101L) ANSI COBOL.....3

\_\_\_\_ (CP 218) Oracle IDS Build Internet Forms I .....3

\_\_\_\_ (CP 221) Introduction to Oracle SQL .....3

\_\_\_\_ (CP 222) Develop Oracle PL/SQL Program Units .....3

\_\_\_\_ (CP 223) Oracle IDS Build Internet Forms II .....3

\_\_\_\_ (CP 224) Oracle Reports.....3

\_\_\_\_ (CP 236) Systems Analysis and Design.....3

\_\_\_\_ (EET 113L) Structured Computer Programming.....3

\_\_\_\_ (EET 208L) Microprocessors.....3

\_\_\_\_ (EET 218L) Microprocessor Interfacing.....3

\_\_\_\_ (IT 101) Introduction to Computer Applications.....3  
(BA 150 or CSCI 101 or CP 176 - 2001/05 = IT 101)

\_\_\_\_ Any CP course not already used in certificate \_\_\_\_\_.....3

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\_\_\_\_ Any CP course not already used in certificate \_\_\_\_\_.....3

Cumulative GPA: \_\_\_\_\_

**COMMENTS:** \_\_\_\_\_

**Advisor's Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Counselor's Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Form Approved By:** \_\_\_\_\_

*Associate Dean*

**Date:** *November 7 2005*

*J. J. [Signature]*