

EDISON STATE COLLEGE
COMPUTER PROGRAMMING AND APPLICATIONS
Certificate Code: PSVC BUDP

This certificate is designed to prepare students to enter the computer industry in entry level programming positions. The core courses provide training in programming languages, basic networking design, systems analysis and design, and professional development skills. Students currently employed in the field can supplement and upgrade their skills through the variety of offerings. All credits earned in this program are applicable to the AS degree in Computer Programming and Analysis.

COURSE PREREQUISITES: Refer to specific course descriptions listed in the current catalog.

PROGRAM PREREQUISITES: NONE

CERTIFICATE CORE REQUIREMENTS:

| | | | Credit Hours | | |
|---|------|--|---------------------|---------------|------------|
| CGS | 1100 | Microcomputer Skills | 4 | Fall | _____ |
| SLS | 1331 | Personal Business Skills | 3 | | _____ |
| CNT | 1000 | Computer Networking Essentials | 3 | | _____ |
| COP | 1000 | Introduction to Computer Programming | 3 | Spring | _____ |
| COP | 1224 | Programming with C++ | 3 | | _____ |
| CIS | 2321 | Data Systems & Management | 3 | | _____ |
| CGS | 2260 | Computer Hardware and Software Maintenance | 3 | Sum A | _____ |
| COP | 2228 | Advanced Programming with C++ or | | Sum B | _____ |
| COP | 2171 | Visual Basic Programming II | 3 | | _____ |
| COP | 2701 | Database Programming or | | Fall | _____ |
| COP | 2800 | Java Programming | 3 | | _____ |
| Computer Science Electives at 2000 level (Any CDA, CIS, COP, CGS, CTS at 2000 level) | | | <u>5</u> | | _____ |
| TOTAL | | | 33 | | _____ |
| | | | | NAME | ID# |

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| | |
| Academic Advisor | Date |
| Dr. Sandi Towers | K-103A (239) 489-9067 |
| Contact | Office Phone |