## NEW program PROPOSAL FORM

**ACADEMIC AREA:** BUSINESS AND TECHNOLOGY

**PROPOSEd by**: SCOTT VANSELOW

**PRESENTER:** click here to tYPE IN NAME OF FACULTY MEMBER presenTING PROPOSAL

**SUBMISSION DATE:** 11/9/2011

**select one: NEW CERTIFICATE PROGRAM**

**Program Name:**

Computer Programming Specialist (CCC - 0507030503)

### SECTION I

**program Description:**

Attach the proposed catalog page with program information, along with samples of curricula for similar programs at other institutions.

This certificate program is part of the Computer Programming and Analysis AS/AAS degree program (0507.030500).

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Information Technology career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order rea­soning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the Information Technology career cluster.

The content includes but is not limited to analyze business situations and to design, develop and write computer programs; to store, locate, and retrieve specific documents, data, and information; analyze problems using logic/analysis tools, code into computer language; test, monitor, debug, document and maintain computer programs.

Program Requirements

**Certificate Core Requirements (18 Credit Hours)**

Choose 1 from COP Windows I: currently COP 1170 Visual Basic Programming I OR COP 1224 Introduction to C++ (3 credits)

Choose 1 from COP Web I: currently COP 1822 Internet Programming – HTML (3 credits)

Choose 1 from COP Windows II: currently COP 2171 Visual Basic Programming II OR COP 2228 Advanced C++ (3 credits)

Choose 1 from COP Web II: currently COP 2823 Server-Side Scripting OR COP 2830 Internet Programming - Scripting II (3 credits)

COP 2800 Java Programming (3 credits)

COP 2000 level Elective or Internship (3 credits)

**CERTIFICATE TOTAL: 18 CREDIT HOURS**

**similar programs at other florida community colleges/state universities:**

Pasco-Hernando

COMPUTER PROGRAMMING SPECIALIST COURSES 15.00 CREDITS NEEDED

THE FOLLOWING FIVE COURSES ARE REQUIRED

(THE CGS1100 COURSE REQUIRES A GRADE OF "C" OR HIGHER)

CGS1000 Computer Concepts 03.00

CGS1100 Micro Apps 03.00

CGS1820 Web Page Design 03.00

COP1000 Intro Software Dev 03.00

COP1332 Visual Basic .net 03.00

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COP PROGRAMMING COURSES 03.00 CREDITS NEEDED

SELECT ONE COURSE FROM THE LIST BELOW

COP2333 Access Prog & Sql 03.00

COP2801 Javascript Program 03.00

COP2808 Web Prog W Vb.net 03.00

SEMINOLE

<http://www.seminolestate.edu/catalog/programs/it/?prg=cprsp-cc.dat>

|  |
| --- |
| **Major Courses** |
| Course Available  [CGS2540C](http://www.seminolestate.edu/catalog/courses/index.php?state=crs&subj=003431&b=/catalog/programs/it/index.php&bargs=prg%3Dcprsp-cc.dat) | **Data Base Management** | 3 |
| Course Available  [CIS2321](http://www.seminolestate.edu/catalog/courses/index.php?state=crs&subj=003539&b=/catalog/programs/it/index.php&bargs=prg%3Dcprsp-cc.dat) | **Systems Analysis and Design** | 3 |
| Course Available  [COP1000](http://www.seminolestate.edu/catalog/courses/index.php?state=crs&subj=003998&b=/catalog/programs/it/index.php&bargs=prg%3Dcprsp-cc.dat) | **Principles of Computer Programming** | 3 |
| **Select one set of three courses from this section:** |
| **Visual Basic** |
| Course Available  [COP1332](http://www.seminolestate.edu/catalog/courses/index.php?state=crs&subj=004002&b=/catalog/programs/it/index.php&bargs=prg%3Dcprsp-cc.dat) | **Visual Basic Programming** | 3 |
| blank  [COP2821](http://www.seminolestate.edu/catalog/courses/index.php?state=crs&subj=004082&b=/catalog/programs/it/index.php&bargs=prg%3Dcprsp-cc.dat) | **Advanced Visual Basic Programming** | 3 |
| Any CAPXXXX, CGSXXXX, COPXXXX not already required | 3 |
| **C++** |
| Course Available  [COP2224](http://www.seminolestate.edu/catalog/courses/index.php?state=crs&subj=004045&b=/catalog/programs/it/index.php&bargs=prg%3Dcprsp-cc.dat) | **C++ Programming** | 3 |
| Course Available  [COP2228](http://www.seminolestate.edu/catalog/courses/index.php?state=crs&subj=004046&b=/catalog/programs/it/index.php&bargs=prg%3Dcprsp-cc.dat) | **Advanced C++ Programming** | 3 |
| Any CAPXXXX, CGSXXXX, COPXXXX not already required | 3 |
| **Java** |
| Course Available  [COP2800](http://www.seminolestate.edu/catalog/courses/index.php?state=crs&subj=004074&b=/catalog/programs/it/index.php&bargs=prg%3Dcprsp-cc.dat) | **Programming in Java** | 3 |
| blank  [COP2805](http://www.seminolestate.edu/catalog/courses/index.php?state=crs&subj=004076&b=/catalog/programs/it/index.php&bargs=prg%3Dcprsp-cc.dat) | **Advanced Java Programming** | 3 |
| Any CAPXXXX, CGSXXXX, COPXXXX not already required | 3 |
| **C #** |
| Course Available  [COP2360](http://www.seminolestate.edu/catalog/courses/index.php?state=crs&subj=004051&b=/catalog/programs/it/index.php&bargs=prg%3Dcprsp-cc.dat) | **C# Programming** | 3 |
| Course Available  [COP2362](http://www.seminolestate.edu/catalog/courses/index.php?state=crs&subj=004052&b=/catalog/programs/it/index.php&bargs=prg%3Dcprsp-cc.dat) | **Advanced C# Programming** | 3 |
| Any CAPXXXX, CGSXXXX, COPXXXX not already required | 3 |
| **Total Credits:** | **18** |

CLICK HERE TO ENTER TEXT

**DESCRIBE THE PROCESS BY WHICH THE NEED FOR THE NEW PROGRAM WAS IDENTIFIED:**

Investigation of current state framework and similar institutions, consultation with advisory group

**PROJECT AVERAGE ENROLLMENT FOR CORE COURSES:**

CLICK HERE TO ENTER TEXT

**DESCRIBE HOW THIS PROJECTION WAS DETERMINED:**

CLICK HERE TO ENTER TEXT

### SECTION II

**LIST PERSONNEL RESOURCES REQUIRED FOR IMPLEMENTATION IN ADDITION TO EXISTING RESOURCES:**

|  |  |
| --- | --- |
| FACULTY POSITION(S) (LIST DISCIPLINE) | FULL TIME OR ADJUNCT? |
|  |  |
|  |  |
|  |  |

|  |  |
| --- | --- |
| staff POSITION(S) (List title) | FULL TIME OR part time? |
|  |  |
|  |  |
|  |  |

**total annual expenses for new positions:**

CLICK HERE TO ENTER TEXT

**list annual amount required for educational materials/supplies or other operating expenses for implementation:**

CLICK HERE TO ENTER TEXT

**identify the funding source to be used for personnel and operating expenses:**

CLICK HERE TO ENTER TEXT

### SECTION III

**PROVIDE JUSTIFICATION FOR CURRICULUM ACTION (OTHER EXPLANATORY INFORMATION):**

This certificate would be suitable for students to complete as a stepping stone on their way to the Computer Programming AS degree or for students who already have general I.T. skills and are looking to expand their knowledge in this field.

**NOTE:**

CHANGES FOR THE UPCOMING FALL TERM MUST BE SUBMITTED AND APPROVED NO LATER THAN THE FEBRUARY CURRICULUM COMMITTEE MEETING PRIOR TO THE START OF THE NEXT ACADEMIC YEAR. CHANGES DURING MID-SCHOOL YEAR ARE NOT ALLOWED. EXTREME CIRCUMSTANCES WILL REQUIRE APPROVAL FROM THE DISTRICT DEAN OF INSTRUCTION AS WELL AS THE VICE PRESIDENT OF ACADEMIC AFFAIRS TO BEGIN IN THE SPRING TERM. THE PROPOSED CHANGES MUST BE PRESENTED AND APPROVED BY THE SEPTEMBER CURRICULUM COMMITTEE PRIOR TO THE SPRING SEMESTER.

**TERM IN WHICH PROPOSED ACTION WILL TAKE PLACE:**

FALL 2012 TYPE IN TERM IF “EXCEPTION” AND OBTAIN BOTH SIGNATURES BELOW OR TYPE “NA”

**oRDER OF APPROVAL FOR EXCEPTIONS IS AS FOLLOWS:**

SIGNATURE #1 NEEDED FOR EFFECTIVE TERM EXCEPTION:

SIGNATURE #2 NEEDED FOR EFFECTIVE TERM EXCEPTION:

**FACULTY ENDORSEMENTS:**PLEASE SEPARATE FACULTY MEMBERS WITH A COMMA (,)



**DEPARTMENT CHAIR / PROGRAM COORDINATOR ENDORSEMENT:**

 11/9/2011

**ASSOCIATE / ACADEMIC DEAN ENDORSEMENT:**

 11/9/2011

**DEANS’ COUNCIL Review – verified by:**

 11/16/2011

**STUDENT ASSESSMENT COMMITTEE CHAIR ENDORSEMENT:**

 PLEASE SELECT TODAY’S DATE

**FOR CURRICULUM COMMITTEE MEETING DATE:**



AFTER REVIEWING AND SIGNING THIS PROPOSAL, THE DISTRICT DEAN WILL RETURN THE PROPOSAL TO THE DEPARTMENT CHAIR OR PROGRAM COORDINATOR WILL SUBMIT THE PROPOSAL TO THE VPAA OFFICE. THE DEPARTMENT CHAIR/PROGRAM COORDINATOR WILL SEND THIS PROPOSAL ALONG WITH ANY OTHER PROPOSALS FROM HIS/HER DEPARTMENT BEING SUBMITTED FOR REVIEW BY THE CURRICULUM COMMITTEE TO THE STUDENT ASSESSMENT COMMITTEE FOR REVIEW. ONCE APPROVED BY THE STUDENT ASSESSMENT COMMITTEE, SUBMIT THE PROPOSAL(S) TO DROPBOX BY THE MEETING DUE DATE. FOR MORE DETAILS, PLEASE REFER TO THE CURRICULUM COMMITTEE MANUAL: www.edison.edu/facultystaff/curriculum.php