VALENCIA COMMUNITY COLLEGE
UNIVERSITY OF CENTRAL FLORIDA

COMPUTER SCIENCE ARTICULATED PROGRAM

2010 – 2011 UCF ARTICULATED UNDERGRADUATE DEGREE REQUIREMENTS

Title of Agreement : ASSOCIATE IN ARTS (A.A.) DEGREE TRANSFER PLAN IN
COMPUTER SCIENCE AND A BACHELOR OF SCIENCE (B.S.)
DEGREE IN COMPUTER SCIENCE

Type of Agreement : ARTICULATED ASSOCIATE IN ARTS AGREEMENT
Major : COMPUTER SCIENCE
College : ENGINEERING AND COMPUTER SCIENCE
School/Dept. : DEPARTMENT OF ELECTRICAL ENGINEERING AND
COMPUTER SCIENCE
Degree : BACHELOR OF SCIENCE
Options/Tracks : NONE
Limited Access : NO

Contacts - University of Central Florida:
Ms. Charlene A. Stinar, Director, Transfer and Transition Services (407) 823-2231
Dr. Mark Allen Poisel, Associate Vice President, Student Development and Enrollment Services
(407) 823-4425
Dr. Charles Reilly, Associate Dean of Academic Affairs, College of Engineering and Computer
Science (407) 823-5306
Dr. Marwan A. Simaan, Dean, College of Engineering and Computer Science (407) 822-2220
Dr. Joyce Dorner, Interim Vice Provost, Regional Campuses (407) 823-1582
Dr. Tony Waldrop, Provost and Vice President (407) 823-2302

Contacts - Valencia Community College:
Dr. Nasser Hedayat, Dean, Architecture, Engineering, and Technology (407) 582-1312
Dr. Karen Borglum, Assistant Vice President, Curriculum and Articulation (407) 582-3455
Dr. Kaye Walter, Executive Vice President and Chief Learning Officer (407) 582-3415

INTRODUCTION

The Computer Science Articulated Program (the Program) is an articulation agreement designed to
enhance advising and facilitate efficient transfer which entitles Valencia Community College (VCC or
Valencia) students to earn credit in Computer Science classes while completing the Articulated Pre-
Major: Computer Science Associate in Arts degree and the appropriate Computer Science Common
Program Prerequisite courses. Students successfully completing the Articulated Pre-Major:
Computer Science A.A and the Common Program Prerequisites will be accepted into the upper
division in the Computer Science major upon admission to the University of Central Florida (UCF or
the University).
ARTICULATED ASSOCIATE IN ARTS TRANSFER PLAN IN
COMPUTER SCIENCE
VALENCIA COMMUNITY COLLEGE

Valencia students who participate in this Program, will
a. select the Articulated Pre-Major: Computer Science by consulting with a Valencia advisor,
b. seek advisement from a qualified advisor for the Articulated Pre-Major: Computer Science
each semester before registering for classes,
c. take appropriate prerequisites for required courses as determined by placement tests,
d. attain a minimum Cumulative Grade Point Average (2.0) and complete the Articulated Pre-
Major: Computer Science program of study, and
e. graduate from Valencia with the Articulated Pre-Major: Computer Science A.A.

VALENCIA A.A. REQUIREMENTS
Students will complete the Associate in Arts requirements for the Pre-Major: Computer Science, as
described in the current Valencia catalog, including the thirty-six hours of General Education
Program requirements and the Common Program Prerequisites for the Computer Science B.S. at
UCF.

**General Education Program Requirements** (as identified in the current Valencia catalog)
  Communications
  Humanities
  Social Science
  Mathematics (See NOTE¹ below)
  Science (See ²NOTE below)

**Common Program Prerequisites** (required for the Computer Science major at UCF)
  COP 2220C Programming
  MAC 2311 Calculus I
  MAC 2312 Calculus II
  PHY 2048C Physics I and Lab
  PHY 2049C Physics II and Lab
  Two science courses for science majors, prefixes BSC, CHM (See NOTE² below)

**Additional Prerequisites**
  COP 2800 Java Programming
  COP 2805 Advanced Java Programming

**Electives** (consult an advisor for appropriate recommendations)

**Total Credit Hours Required** 60 hours

**NOTE¹**: Students must take MAC 2311 and MAC 2312 to meet the Common Program Prerequisite
requirements. Additional prerequisites to these courses, including MAC 1105, MAC 1114, and MAC 1140,
may be required depending on the student’s placement in mathematics courses.

**NOTE²**: Acceptable science courses include: BSC 1010C Biology I, BSC 1011C Biology II, CHM 1045C
General Chemistry I, CHM 1046 General Chemistry II. Select two (2) courses.

**Foreign language requirement**: Students who have not completed two (2) years of the same foreign language
in high school, must complete two (2) semesters of a foreign language before graduating from Valencia.
BACHELOR OF SCIENCE IN
COMPUTER SCIENCE
UNIVERSITY OF CENTRAL FLORIDA

UCF B.S. REQUIREMENTS
To earn a UCF Computer Science Bachelor of Science, through this program, students must meet all the graduation requirements listed in the UCF Undergraduate Catalog for the appropriate catalog year.

General Education Program Requirement (completed as part of the Computer Science Pre-Major Associate in Arts)
Common Program Prerequisites (completed to fulfill requirements of the Computer Science Pre-Major Associate in Arts)

Acceptance of Computer Science Courses taken at Valencia:
Three Computer Science courses are taken as part of the Pre-Major in Computer Science A.A.
- COP 2220 C Programming
- COP 2800 Java Programming
- COP 2805 Advanced Java Programming.
These courses will be accepted in transfer by the UCF College of Engineering and Computer Science and substitute for the following UCF courses:
- COP 3223 Introduction to Programming with C
- COP 3330 Object Oriented Programming.

Core Requirements: Basic Level
A “C” or better is required in all courses in this area.
- COP 3502C Computer Science I
- COP 3503C Computer Science II
- STA 2023 Statistical Methods I
- ENC 3241 Writing for the Technical Professional
- CDA 3103 Computer Logic and Organization
- COT 3100C Introduction to Discrete Structures
- CIS 3360 Security in Computing
- COP 3402 Systems Software
- COT 3960 Foundation Exam (PR:COT 3100C & COP 3502C)

Total 25 hours

Core Requirements: Advanced Level
Students must maintain at least a 2.5 GPA in these courses; only the highest grade is used in the calculation.
- COP 4331C Processes for Object Oriented Software Development
- EEL 4768C Computer Architecture
- COT 4210 Discrete Structures II
- COP 4020 Programming Languages I
- COP 4600 Operating Systems
- COT 4810 Topics in Computer Science

Total 20 hours
Restricted Electives

A “C” or better is required in all courses in this area.

4000-5000 level Computer Science courses 9 hours

Must be offered by Computer Science at UCF. At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed.

4000-5000 level Mathematics or Statistics courses 6 hours

Courses from: STA, MAP, MAA, MAD, MAS prefixes and MAC 2313, MAP 2302, MAS 3105, and MAS 3106.

No independent study hours, internship, or cooperative education hours are allowed.

Total Credit Hours Required 60 hours

TOTAL CREDIT HOURS REQUIRED 120 hours

UCF Graduation Requirements

A. College/School Exit Requirements
   - Students must complete an exit survey
   - Computer competency is met by completion of the major
   - Residency requirement: at least 24 semester hours of regularly scheduled 3000 5000 level courses taken from Computer Science at UCF
   - 18 of the 24 residency hours must be at the 4000-5000 level

B. University Minimum Exit Requirements
   - 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable).

AGREEMENT PROVISIONS

Admission to UCF and the College of Engineering and Computer Science

Students who have completed their Associate in Arts degree at Valencia as described herein and maintained a 2.0 GPA will be accepted into the upper division in the UCF College of Engineering and Computer Science after being admitted to the University. To be admitted to the Advanced Core, students must take and pass COT 3960 Foundation Exam (prerequisites are: COT 3100C and COP 3502C).

Foreign Language Requirements

A. Admission

Students who have not completed two units of the same foreign language or American Sign Language in high school must complete a minimum of eight semester hours of college level foreign language or demonstrate proficiency at VCC; Valencia students must meet this requirement to earn their A.A.
B. Graduation
Students must complete a proficiency exam in a second language, one semester of college level foreign language, or three (3) credits of multi-cultural courses approved by Computer Science.

Immunization
Students who matriculate at a state university are required to provide proof of immunization against Rubeola (measles) and Rubella (German measles) prior to enrollment. Additionally, students must provide documentation of vaccinations against Meningitis and Hepatitis B, or decline the vaccinations by signing a separate waiver acknowledging receipt and review of information provided by UCF Health Services.

Updates
This agreement is subject to change by legislative action, the Department of Education, the Florida Board of Governors, the University of Central Florida or its Board of Trustees, Valencia Community College or its Board of Trustees, or external accrediting agencies. This agreement will be reviewed by both parties on a yearly basis to ensure the timeliness of this document.

Resources
Resources for implementation of the Agreement may come from either party, depending upon budgetary availability. No party hereto is obligated hereby to expend any resources whatsoever in connection with this Agreement. No implementation of any portion of the Agreement, nor commencement of any specific projects, may be initiated prior to the written assurance of such budgetary availability to the other party hereto. To the extent any external funding is required by the university in order to implement this Agreement and funding for such purposes is not appropriated to the university by the Legislature of the State of Florida or is not otherwise available to the university, the university shall thenceforth have no further financial obligations hereunder. In the event the university does not have sufficient legislative appropriations to carry out any obligations under this Agreement, it shall immediately notify Valencia Community College of such fact and of such portions of this Agreement that may be deemed terminated as a result of such failure of appropriations.

AGREEMENT TERMS
This Agreement shall take effect on September 1, 2010, and terminate on August 31, 2011. It may be automatically renewed for additional one (1) year periods unless either party provides the other notice no later than sixty (60) days prior to the expiration of the preceding term that it wishes to terminate this Agreement. If either party fails to follow the terms and conditions of the Agreement as set forth herein, the other party has the right to terminate this Agreement immediately upon written notice to the other.

A. Notices with respect to rights and obligations of each party hereto shall be provided as follows:

University of Central Florida:
Ms. Charlene A. Stinard, Director, Transfer and Transition Services
Dr. Mark Allen Poisel, Associate Vice President, Student Development and Enrollment Services
Dr. Charles Reilly, Associate Dean of Academic Affairs, College of Engineering and Computer Science
Dr. Marwan A. Simaan, Dean, College of Engineering and Computer Science
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Dr. Karen Borglum, Assistant Vice President, Curriculum and Articulation
Dr. Kaye Walter, Executive Vice President and Chief Learning Officer

B. Modifications or additions to, or deletions from this Agreement must be in writing and signed by both parties. The designated representatives for the university and college on behalf of their respective boards of trustees are listed below.

APPROVALS

UNIVERSITY OF CENTRAL FLORIDA
Orlando, FL

John C. Hitt, President
8/26/10

Date

VALENCIA COMMUNITY COLLEGE
Orlando, FL

Sanford C. Shugart, President
9/8/10

Date

Legal Content Approved:
W. Scott Cole, General Counsel
August 10, 2010

Date