

**UNIVERSITY OF CENTRAL FLORIDA
THE COLLEGE OF ENGINEERING AND COMPUTER SCIENCE
AND
VALENCIA COMMUNITY COLLEGE
ARTICULATION AGREEMENT**

**Computer Programming and Analysis
to
Information Systems Technology**

2006 - 2007 UCF ARTICULATED A.S. to B.S.

Title of Agreement : ASSOCIATE IN SCIENCE (A.S.) IN COMPUTER PROGRAMMING AND ANALYSIS AND A BACHELOR OF SCIENCE (B.S.) IN INFORMATION SYSTEMS TECHNOLOGY

Type of Agreement : ARTICULATED SCIENCE AGREEMENT

Major : INFORMATION SYSTEMS TECHNOLOGY

Division : ACADEMIC AFFAIRS

Degree : BACHELOR OF SCIENCE

Options/Tracks : NONE

Limited Access : NO

Contacts - University of Central Florida:

Dr. Ron Eaglin, Chair, Engineering Technology, 407-823-5937
Dr. Bahman Motlagh, Engineering Technology, 407-823-4748
Dr. Jamal Nayfeh, Associate Dean for Academic Affairs, 407-823-2455
Ms. Charlene A. Stinard, Director, Transfer and Transitions Services, 407-823-2231

Contacts – Valencia Community College:

Dr. B. Kaye Walter, Executive Vice President of Academic Affairs and Chief Learning Officer, 407-582-3418
Ms. Joan Tiller, Assistant Vice President for Workforce Development, 407-582-3327
Ms. Joe Lynn Look, Dean, Business, IT, and Public Services, 407-582-2013
Dr. Gaby Hawat, Dean, Architecture, Engineering, & Technology, 407-582-1904
Dr. Dale Husbands, Dean, Business, IT, and Social Sciences, 407-582-4841

INTRODUCTION

Valencia Community College (VCC) in collaboration with the College of Engineering and Computer Science at the University of Central Florida (UCF) has constructed an A.S. in Computer Programming and Analysis to B.S. in Information Systems Technology. If the program of study described below is followed, it will be possible for students to enter the upper division in the College of Engineering in the major of Information Systems Technology.

**ASSOCIATE IN SCIENCE (A.S.) IN COMPUTER PROGRAMMING AND ANALYSIS
VALENCIA COMMUNITY COLLEGE**

FOUNDATION COURSES

ENC 1101	Freshman Composition I	3 hrs
MAC 1105	College Algebra (or higher mathematics)	3 hrs
COP 1006	Introduction to Programming Concepts	3 hrs
CGS 2100	Microcomputer Fundamentals & Applications	3 hrs
SPC 1600	Fundamentals of Speech	3 hrs
Humanities	General Education ¹	3 hrs
TOTAL FOUNDATION HOURS		18 hours

INTERMEDIATE COURSES

CGS 1560	Introduction to Operating Systems or	
CET 2179C	A+ Concepts (Software)	3 hrs
Social Science	General Education ²	3 hrs
CET 2178C	A+ Concepts (Hardware)	3 hrs
CGS 2545	Database Management Systems	3 hrs
COP 2822	Web Publishing	3 hrs
Computer Programming and Analysis	Business Elective ³	3 hrs
TOTAL INTERMEDIATE HOURS		18 hours

ADVANCED COURSES

ENC 1102	Freshman Composition II	3 hrs
Computer Programming and Analysis	Restricted Electives	9 hrs
Computer Programming and Analysis	Non-Restricted Electives	10 hrs
CIS 2941	IT Capstone	4 hrs
CIS 2942	Internship in Programming and Analysis or	
SLS 1303	Job Search	1 hrs
TOTAL ADVANCED COURSE HOURS		27 hours
TOTAL HOURS REQUIRED		63 hours

COMPUTER PROGRAMMING AND ANALYSIS BUSINESS ELECTIVES

ACG 2021	Principles of Financial Accounting	3 hrs
ECO 2013	Principles of Economics - Macro	3 hrs
ECO 2023	Principles of Economics - Micro	3 hrs
GEB 1011	Introduction to Business	3 hrs
GEB 1136	Foundations of E-Business	3 hrs
BUL 2241	Business Law I	3 hrs
MNA 1031	Project Management	3 hrs

COMPUTER PROGRAMMING AND ANALYSIS RESTRICTED ELECTIVES

Select any course from the list of Computer Programming and Analysis Electives below not

used to satisfy any other degree requirements.

CGS 2786	Web Development Tools	3 hrs
COP 1332	Introduction to Visual Basic or	
COP 2360	C# Programming or	
COP 2800	Java Programming	3 hrs
COP 1812	XML and Web Services	3 hrs
COP 2220	C Programming	3 hrs
COP 2341	Linux Shell Scripting	3 hrs
COP 2805	Advanced Java Programming	3 hrs
COP 2821	Advanced Microsoft Application Development	3 hrs
COP 2823	Advanced Web Publishing – Active Server Pages	3 hrs
COP 2830	Scripting Languages	3 hrs

COMPUTER PROGRAMMING AND ANALYSIS NON-RESTRICTED ELECTIVES

Any course with the prefix CIS, COP, COT, CET not already used to satisfy program requirements or the course CGS 1555 Internet Web Essentials.

Students should successfully complete CET 2486C, CET 2811 Microsoft Windows XP Professional and CET 2792 Microsoft Windows Server 2003Network as part of the degree electives.

NOTES:

¹. Humanities General Education: select from: HUM 2220, HUM 2223, HUM 2232, HUM 2234, ARH 2050, ARH 2051, PHI 2010, LIT 2110, LIT 2120, MUL 1010, REL 2000, **or** THE 1020.

². Social Science General Education: select from: PSY 1012, SYG 2000, **or** ANT 2000.

³. Select ECO 2023.

**BACHELOR OF SCIENCE (B.S.) IN INFORMATION SYSTEMS TECHNOLOGY
UNIVERSITY OF CENTRAL FLORIDA**

Information Systems Technology Core Courses			29 hours
CET	3529	Linux/Unix System Administration	3 hrs
CET	3010	Intro to Info Technology	3 hrs
STA	2023	Statistical Methods I	3 hrs
MAC	1114	College Trig	3 hrs
ETI	4448	Applied Project Mgmt	3 hrs
ENC	3241	Writing for the Technical Professional	3 hrs
EET	3085C	Electricity & Electronics	4 hrs
CET	3323C	Digital Technology	4 hrs
CET	2364	Systems Applications in C	3 hrs

Lower Level Required Courses taken at Community College (33 hours)

Required Technical Courses			21 hours
CET	4427	Applied Database I	3 hrs
CET	3383	Applied Systems Analysis I	3 hrs
CET	4505	Applied Operating Systems I	3 hrs
CET	3752	Intro to Telephony	3 hrs
CET	4483	Intro to Local Area Network	3 hrs
CET	4333	Computer Organization & Design	3 hrs
CET	4748	Wide Area Networks I	3 hrs

Technical Electives 12 hours

Choose four from the following:

CET	3198C	Digital Systems	3 hrs
CET	4138C	Digital Programmable Devices	3 hrs
CET	4931	Current Topics in Technology	3 hrs
CET	4749	Wide Area Network II	3 hrs
MAP	3401	Problem Analysis	3 hrs
CET	4523	Applied Systems Analysis II	3 hrs
CET	4429	Applied Database II	3 hrs
CET	4583	Web Base Systems I	3 hrs
CET	4584	Web Base Systems II	3 hrs
CET	4663	Computer & Networks Security	3 hrs
STA	5937	Data Mining I	3 hrs

TOTAL PROGRAM HOURS 128 hours

GENERAL EDUCATION REQUIREMENTS

If general education requirements are not completed at Valencia Community College, students must meet the current UCF requirements for general education.

UNIVERSITY MINIMUM GRADUATION REQUIREMENTS

Students must earn at least a 2.0 UCF GPA.

Forty-eight (48) hours of upper division course work is to be completed at UCF.

Students must earn thirty (30) of the last (36) hours of course work in residence at UCF.

Twenty five percent (25%) of coursework must be completed in residency at UCF.

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Students must earn sixty (60) semester hours after any CLEP award, must complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of summer credit (if applicable).

Grades of "D" do not transfer into the major nor count to meet Gordon Rule requirements.

AGREEMENT PROVISIONS

Updates

This Agreement is subject to change by legislative action, the Department of Education, the Florida Board of Education, the University of Central Florida, Valencia Community College, or external accrediting agencies. Any changes to this agreement must be agreed to in writing by both parties. This agreement will be renewed 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 henceforth 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 May 1, 2006 and shall terminate on April 30, 2007. 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.

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

Ms. DeLaine Priest, Assistant Vice President, Student Success Services

Dr. Mark Allen Poisel, Associate Vice President, Academic Development and Retention

Dr. Jamal Nayfeh, Associate Dean for Academic Affairs, College of Engineering and Computer Science

Dr. Neal Gallagher, Dean, College of Engineering and Computer Science

Dr. Terry Hickey, Provost

Valencia Community College:

Dr. B. Kaye Walter, Executive Vice President of Academic Affairs and Chief Learning Officer

Ms. Joan Tiller, Assistant Vice President for Workforce Development

Ms. Joe Lynn Look, Dean, Business, IT, and Public Services

Modifications, additions, or deletions from this Agreement must be in writing and signed by both parties. The designated representatives for the university and college are listed under "Approvals."