

This Associate in Arts degree program is designed for the student who expects to earn a B.S. degree in the field of **Computer Science** at University of West Florida.



**Associate in Arts Degree**

**Computer Science**

**Transfer Institution: University of West Florida**

**Code** 1035      **Program Length** 60 credits

**2004-2005**

For more information  
Contact:

**Student Services**  
**Chipola College**  
**(850) 718-2266**



This major includes the theoretical foundations of computer science and the study of algorithms, data structures, software engineering, computer architecture, and the concepts of programming languages. Check with a counselor about the Management Information Systems computer major located in the College of Business.

Possible employment areas in this field include programmer (scientific, business, systems), technical writer, systems analyst, operations-research analyst, software engineer, web master, high school teacher, technical support representative, manager, data processing systems manager, network administrator, sales representative for computer or software manufacturer, college or university teacher (with additional training and education). For more information, visit the [Occupational Outlook Handbook website](#).

*The courses listed on this guide are not to be construed as a contract between the student and Chipola or the University. Course requirements may change each year. You are encouraged to work closely with your advisor.*

**Entrance Requirements**

**This major requires an additional six hours of natural science for graduation from UWF; they may be taken at Chipola or UWF. If taken at Chipola, recommended courses include the BSC 2010/2011 sequence or the CHM 1045/1046 sequence.**

If a student has completed two years of high school credit in the same foreign language, he/she meets the admission requirement for state universities in Florida. If not, the student should complete two semesters of the same foreign language at Chipola before transfer to the university.

		Summer II	Sem. Hrs.
		CIS 1000	Intro to Computing Systems 3

**FRESHMAN YEAR**

1st Semester		Sem. Hrs.	2nd Semester		Sem. Hrs.
ENC 1101	Communication Skills I	4	ENC 1102	Communication Skills II	4
COP 2000	Intro to Computer Programming	3	COP 2224	C++ Programming	3
MAC 1114	Plane Trigonometry	3	MAC 1311	Calculus and Analytic Geometry I	5
XXX XXXX	HUMANITIES	3	XXX XXXX	SOCIAL SCIENCE	3
SLS 1101	Orientation	1			
TOTAL		14	TOTAL		15

**SOPHOMORE YEAR**

1st Semester		Sem. Hrs.	2nd Semester		Sem. Hrs.
XXX XXXX	HUMANITIES [Gordon Rule Course(s)]	4	XXX XXXX	ELECTIVE	3
COP 2535 <sup>1</sup>	Intro to Data Structures & Algorithms	3	XXX XXXX	SOCIAL SCIENCE	3
MAC 2312	Calculus and Analytic Geometry II	4	MAC 2313	Calculus and Analytic Geometry III	4
PHY 2048C & 2048L	Gen Physics II with Calculus and Lab	5	PHY 2049C & 2049L	Gen Physics III with Calculus and Lab	5
TOTAL		16	TOTAL		15

<sup>1</sup> Strongly recommended because of required upper division course work. UWF requires a JAVA course for graduation; COP 2800 at Chipola should meet this requirement.