

# FRANKLIN UNIVERSITY - COMPLETION GUIDE

## Bachelor's Degree - COMPUTER SCIENCE

130 Semester Credit Hours

Effective Fall 2011 - Summer 2012

This document is an unofficial, informational guide.

Please review Franklin University's **ACADEMIC BULLETIN** for transfer policies and degree requirements.

For an official transfer degree audit, complete Franklin University's **FREE** application.

### COMMUNITY COLLEGE COURSES

Franklin University Course	Columbus State Community College Course
<b>GENERAL EDUCATION CORE</b>	
<input type="checkbox"/> College Writing.....	[ENGL 101 Beginning Composition <b>AND</b> ENGL 102 Essay and Research] <b>OR</b> ENGL 111 English Composition
<input type="checkbox"/> Mathematics (beyond Intermediate Algebra) *.....	Select from College Algebra, Calculus, Finite Mathematics, Stats, etc.
<input type="checkbox"/> Science Area (2 courses with 1 having a laboratory component).....	Select from courses such as Chemistry, Biology, Physics, etc.
<input type="checkbox"/> Social/Behavioral Science Area (2 courses in different disciplines).....	Select from courses such as Anthropology, Sociology, Psychology, etc.
<input type="checkbox"/> Arts and Humanities Area (2 courses).....	Select from courses such as Philosophy, Literature, Ethics, etc.
<input type="checkbox"/> Applied Calculus.....	[MATH 131 Business Calculus I <b>AND</b> MATH 132 Business Calculus II] <b>OR</b> [MATH 151 Calculus and Analytic Geometry I <b>AND</b> MATH 152 Calculus and Analytic Geometry II]
<input type="checkbox"/> Probability and Statistics.....	MATH 233 Statistics for Business
<input type="checkbox"/> Speech Communication or Interpersonal Communication.....	COMM 105 Speech <b>OR</b> COMM 110 Conference and Group Discussion <b>OR</b> COMM 232 Interpersonal Communication
<input type="checkbox"/> Business Communication.....	COMM 200 Business Communications <b>OR</b> COMM 204 Technical Writing
<input type="checkbox"/> Social/Behavioral Science Elective.....	Select from courses such as Anthropology, Sociology, Psychology, etc.
<input type="checkbox"/> Introduction to Web Authoring Competency.....	IMMT 112 Fundamentals of Interactive Design <b>OR</b> IMMT 262 Web Publishing Site Design <b>OR</b> IMMT 283 Web Communications (Adobe Dreamweaver)
<input type="checkbox"/> Introduction to Databases Competency.....	BOA 189 Access <b>OR</b> CIT 101 PC Applications I <b>OR</b> CIT 102C PC Business Access
<input type="checkbox"/> Algebra Competency.....	MATH 104 Intermediate Algebra
<p>* One mathematics or statistics course beyond intermediate level. May select from College Algebra, Calculus, Finite Mathematics, Statistics or Business Calculus. If statistics is used for the mathematics requirement, an additional general education elective will be required.</p>	
<b>MAJOR AREA BRIDGE</b>	
<input type="checkbox"/> Intro to Computer Science & Object-Oriented Programming.....	CIT 169 Java Programming 1 <b>AND</b> CIT 269 Java Programming 2
<input type="checkbox"/> Object-Oriented Data Structure & Algorithms I.....	Not available at your institution. Please take COMP 121 with Franklin.
<input type="checkbox"/> Principles of Computer Organization.....	Not available at your institution. Please take COMP 201 with Franklin.
<input type="checkbox"/> Principles of Computer Languages.....	Not available at your institution. Please take COMP 202 with Franklin.
<input type="checkbox"/> Principles of Operating Systems.....	Not available at your institution. Please take COMP 203 with Franklin.
<input type="checkbox"/> Principles of Computer Networks.....	CIT 250 Network Communication Systems
<input type="checkbox"/> Survey of Computer Languages.....	Not available at your institution. Please take COMP 205 with Franklin.
<input type="checkbox"/> Database Management Systems.....	CIT 173 Database Programming <b>AND</b> CIT 273 Database Systems
<input type="checkbox"/> Discrete Mathematics.....	MATH 266 Discrete Mathematical Structures
<b>ELECTIVE BRIDGE COURSES</b>	
<p>Non-Developmental level courses taken at your community college and not applied directly toward another Bridge requirement will be applied to this area. <b>An official evaluation of transfer credit will determine the need for electives.</b> If you need additional courses to meet the hours required for your bachelor's degree, please select business or computer related courses from those offered at your community college. Other courses may be acceptable in this area. <b>Please see your Franklin University Academic Advisor for approval prior to taking the course.</b></p>	

**KEY: Preliminary Evaluation**  
 P = Partial Transfer  
 X = Completed  
 ? = Unsure  
 = Needs to be Completed

### FRANKLIN UNIVERSITY COURSES

#### COMPLETION (50 SEMESTER HOURS)

It is recommended to take PF 321 before beginning any Community College course work after the conclusion of your Associate's Degree.

#### PROFESSIONAL FOUNDATIONS (6 SEMESTER HOURS)

- PF 321 Learning Strategies      \*\* must be taken prior to the start of all other Franklin courses
- HUMN 305 Global Issues

#### MAJOR AREA (40 SEMESTER HOURS)

- COMP 294 Computer Science Practicum I
- COMP 311 Object-Oriented Data Structures & Algorithms II
- COMP 321 Application Server Programming
- COMP 325 Human Computer Interaction
- COMP 394 Computer Science Practicum II
- COMP 461 Enterprise Software Architecture
- COMP 486 Object-Oriented Analysis & Design
- COMP 495 Computer Science Practicum III/Capstone
- MIS 310 Information Systems Architecture & Technology
- MIS 320 Technical Communication
- MIS 484 Information Systems Security

#### MAJOR AREA ELECTIVE (4 HOURS)

Any course in the Computer Science, Information Technology, Management Information Sciences (except for MIS 200) or Web Development curriculum. Any course, up to 4 credit hours, from another curriculum with approval from the Computer Science Program Chair.

#### UNIVERSITY ELECTIVES

Credits needed for the 40 credits of Franklin University residency will vary pending transfer of any of the Major Area required classes.