

# FRANKLIN UNIVERSITY - MCHENRY COUNTY COLLEGE

## 07-08 Course Articulation Guide - Computer Related Majors

This guide should be used in conjunction with your Degree Audit and Completion Guide

**STUDENT MUST APPLY AND COMPLETE PF 321 LEARNING STRATEGIES  
IN ORDER TO ACTIVATE THEIR PROGRAM**

This document is an unofficial, informational guide.

Please review your Academic Evaluation and contact your SSA with any questions.

### FRANKLIN UNIVERSITY COURSE

### MCHENRY COUNTY COLLEGE COURSE EQUIVALENT

#### General Education - REQUIRED FOR ALL MAJORS

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| SPEECH OR INTERPERSONAL COMMUNICATION.....                                     | SPE 151 Intro to Speech <u>or</u> SPE 155 Interpersonal Communication <u>or</u><br>SPE 161 Small Group Communication |
| COLLEGE WRITING.....   | ENG 151 Composition I <u>and</u> ENG 152 Composition II  |
| BUSINESS PROFESSIONAL COMMUNICATION.....                                       | BUS 155 Business Communication <u>or</u> ENG 105 Technical Communication   |
| ^1 COURSE FROM THE DEPT OF SCIENCE.....  | Select from COURSES such as Chemistry, Biology, Physics, etc.  |
| ^1 COURSE FROM THE DEPT OF HUMANITIES.....                                     | Select from COURSES such as Philosophy, Literature, Ethics, etc.   |
| ^1 COURSE FROM THE DEPT OF SOCIAL/BEHAV SCIENCES...                            | Select from COURSES such as Anthropology, Sociology, Psychology, etc.  |
| <b>^IF YOU ARE UNSURE IF YOUR COURSE WILL TRANSFER PLEASE CONTACT YOUR SSA</b> |  |
| COLLEGE ALGEBRA .....  | MAT 161 College Algebra  |
| APPLIED CALCULUS .....   | MAT 171 Calculus of Business and Social Science <u>or</u><br>MAT 175 Calculus with Analytic Geometry I               |
| ** REQUIRED FOR COMPUTER SCIENCE ONLY  |  |
| STATISTICAL CONCEPTS.....  | MAT 220 Statistics <u>or</u> MAT 120 General Education Statistics  |
| INTRO TO SPREADSHEETS.....   | CIS 131 Intro to Window Spreadsheet Appl <u>or</u> CSC 110 Comp Literacy   |
| ** NOT REQUIRED FOR COMPUTER SCIENCE   |  |
| INTRO TO DATABASES.....  | CIS 132 Intro to Database Systems <u>or</u> CSC 110 Computer Literacy  |
| INTRO TO WEB AUTHORIZING.....  | Not available at your institution please take COMP 107 with Franklin   |
| ALGEBRA COMPETENCY (SEE STATEMENT BELOW).....                                  | MAT 099 Intermediate Algebra   |
| GENERAL EDUCATION ELECTIVES.....   | General Education Electives select from non-developmental courses.   |

#### Computer Science (COMP)

\*Prior to Beginning your Bridge Courses, apply to Franklin University and complete PF321 Learning Strategies\*

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| INTRO/COMP SCIE & OBJECT-ORIENTED PROGRAMMING.....  | CSC 121 Computer Science I <u>or</u> CIS 117 Intro to Programming      |
| OBJECT-ORIENTED DATA STRUCTURES & ALGORITHMS I..... | CSC 122 Computer Science II <u>or</u> CIS 211 Intermediate Programming |
| PRINCIPLES OF COMPUTER ORGANIZATION.....            | Not available at your institution please take COMP 201 with Franklin   |
| PRINCIPLES OF COMPUTER LANGUAGES.....               | Not available at your institution please take COMP 202 with Franklin   |
| PRINCIPLES OF OPERATING SYSTEMS.....                | Not available at your institution please take COMP 203 with Franklin   |
| PRINCIPLES OF COMPUTER NETWORKS.....                | CIS 170 Router Basics  |
| SURVEY OF COMPUTER LANGUAGES.....                   | Not available at your institution please take COMP 205 with Franklin   |
| DATABASE MANAGEMENT SYSTEMS.....                    | CIS 270 SQL/Database Concepts  |
| DISCRETE MATHEMATICS.....                           | Not available at your institution please take MATH 170 with Franklin   |

#### Web Development (WEBD)

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|---|---|
| INTRO/COMP SCIE & OBJECT-ORIENTED PROGRAMMING...  | CSC 121 Computer Science I <u>or</u> CIS 117 Intro to Programming         |
| OBJECT-ORIENTED DATA STRUCTURES & ALGORITHMS I... | CSC 122 Computer Science II <u>or</u> CIS 211 Intermediate Programming    |
| WEB DESIGN & IMPLEMENTATION.....                  | CIS 146 Intro to Web Page Prgm <u>or</u> CIS 147 Intro to JavaScript Prgm |
| DATABASE MANAGEMENT SYSTEMS.....                  | CIS 270 SQL/Database Concepts   |
| FUNDAMENTALS OF GRAPHIC DESIGN.....               | Not available at your institution please take GRPH 210 with Franklin      |
| MARKETING.....                                    | MKT 110 Principles of Marketing   |
| GRAPHIC EDITING SOFTWARE.....                     | Not available at your institution please take WEBD 117 with Franklin      |

#### \*\*Information Technology\*\* (ITEC)

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| DATABASE MANAGEMENT SYSTEMS.....   | CIS 270 SQL/Database Concepts   |
| STRUCTURED PROGRAMMING.....  | CIS 148 Intro to JAVA Programming <u>or</u> CIS 219 Interm Visual Basic     |
| <i>Student is only required to take one course to fulfill requirement.</i> | <u>or</u> CSC 121 Computer Science I <u>or</u> CIS 117 Intro to Programming |

20 semester/30 quarter credit hours in one of the following approved Information Technology disciplines.

COMPUTER INFORMATION SYSTEMS

**\*\*Please check with SSA for additional options\*\***

**Management Information Sciences (MIS)**

**\*Prior to Beginning your Bridge Courses, apply to Franklin University and complete PF321 Learning Strategies\***

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|--|---|
| FINANCIAL ACCOUNTING.....  | ACC 151 Financial Accounting  |
| MARKETING  | MKT 110 Principles of Marketing   |
| MANAGEMENT THEORY & PRACTICES.....   | MGT 150 Principles of Management  |
| WEB DESIGN & IMPLEMENTATION.....   | CIS 146 Intro to Web Page Prgm <u>or</u> CIS 147 Intro to JavaScript Prgm   |
| HUMAN RESOURCES MANAGEMENT.....  | MGT 210 Human Resources Management  |
| DATABASE MANAGEMENT SYSTEMS.....   | CIS 270 SQL/Database Concepts   |
| STRUCTURED PROGRAMMING.....  | CIS 148 Intro to JAVA Programming <u>or</u> CIS 219 Interm Visual Basic     |
| <i>Student is only required to take one course to fulfill requirement.</i> | <u>or</u> CSC 121 Computer Science I <u>or</u> CIS 117 Intro to Programming |

**Elective Bridge Courses (taken at McHenry County College) - REQUIRED FOR ALL MAJORS**

Nondevelopmental level courses taken at your community college and not applied directly toward another Bridge requirement will be applied in this area. **An official evaluation of transfer credit will determine the need for electives.** 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. Please see your Franklin University SSA for approval prior to taking the course.

**\*\*JOINT PROGRAMS OF STUDY OPTION\*\***

The majors highlighted above are eligible for our Joint Programs of Study program. This unique option allows you to finish both your Bachelor's of Science degree and your MBA at an accelerated rate. Specific MBA courses can be substituted for Franklin University Major Area electives. Contact your SSA for information concerning the Joint Programs of Study program.

**ALGEBRA COMPETENCY STATEMENT**

Franklin University requires that all of our student satisfy an Algebra Competency Requirement. The Algebra Competency Requirement can be met in the following ways:

1. Algebra II in High School with a grade of "C" or higher;
2. Pass the Franklin University Algebra Competency Test;
3. Take Fundamental Algebra (MATH150) at Franklin University; or
4. Transfer in Fundamental Algebra (MATH150) or higher (College Algebra, Calculus, Finite Math, Discrete Math, etc., but not Statistics\*\*)

**\*\*Statistics will not waive the Algebra Competency Requirement unless the course has been approved for your school. Please see your SSA.**

Revised 1/22/2008  
 Completed 6/6/2007