

University of Hawai'i • Kapi'olani Community College

Business Education Department

IT - Information Technology A.S. Degree Program Curriculum (63 credits) – Fall 2009 / Spring 2010

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First Semester Courses			
Course	Prerequisite and other information	Credits	Grade
ICS 100 Computing Literacy and Applications, or ICS 101 Digital Tools for the Information World	None Recommended Preparation: Keyboarding experience; credit or qualification for ENG 100, ENG 160 or ESL 100; credit or qualification for MATH 103 or higher level mathematics	3	
ITS 124 (ITS 104) Small Business Networking	Prerequisite(s): Qualification for ENG 22 or ESOL 94 or higher; qualification for MATH 24 or higher Recommended Preparation: Previous computer experience	3	
ITS 128 (ITS 103) Introduction to Problem Solving	Prerequisite(s): Qualification for ENG 22 or higher; qualification for MATH 24 or higher	3	
ITS 129 (ITS113) Introduction to Databases	Prerequisite(s): Qualification for ENG 22 or ESOL 94 or higher; qualification for MATH 24 or higher	3	
BUS 120 Principles of Business	None	3	

Second Semester Courses			
Course	Prerequisite and other information	Credits	Grade
ACC 201 Introduction to Financial Accounting	Recommended Preparation: ICS 100 or ICS 101; qualification for MATH 24 or higher; ENG 22 or higher	3	
ITS 144 (ITS 220E) Business PC System Maintenance / Support and OS Installation	Prerequisite(s): ITS 124 or consent of the instructor or BE department chair	3	
ITS 148 (ITS 118) Visual Basic I	Prerequisite(s): ITS 128 or consent of the instructor or BE department chair	3	
ITS 149AD (ITS 221F) Database Administration I	Prerequisite(s): ITS 129 or consent of the instructor or BE department chair	3	
ENG 100 Composition I, Or ESL 100 Expository Writing: A Guided Approach, Or ENG 160 Business and Technical Writing	Prerequisite(s): ENG 22 with a grade of "C" or higher, or qualification for ENG 100 on the KCC placement instrument Prerequisite(s): Qualification for ESL 100 on the KCC placement instrument, or a grade of "C" or higher in ENG 22, or successful completion of ESOL 94, or instructor recommendation Prerequisite(s): A grade of "C" or higher in ENG 22 or qualification for ENG 100 on the KCC placement test	3	

Third Semester Courses			
Course	Prerequisite and other information	Credits	Grade
Bus 100 Business Math, Or Bus 250 Applied Math in Business, Or Math 103 Fundamentals of College Algebra, Or higher level mathematics	Prerequisite(s): A grade of "A" in MATH 24, or a grade of "C" or higher in MATH 25, or a grade of "C" or higher in MATH 81, or tested placement at MATH 100 or higher level math; qualification for ENG 22 or ESOL 94 Prerequisite(s): Qualification for MATH 135 Recommended Preparation: Qualification for ENG 100 or ESL 100; ICS 100 or ICS 101 Prerequisite(s): A grade of "C" or higher in MATH 25 or a KCC Placement Test recommendation of MATH 103	3	
ITS 224 Help Desk Support Practices	Prerequisite(s): ITS 144 or consent of the instructor or BE department chair	3	
ITS 228 (ITS 151) Visual Basic II	Prerequisite(s): ITS 148 or consent of the instructor or BE department chair	3	
ITS 229 AD Database Administration II	Prerequisite(s): ITS 149AD or consent of the instructor or BE department chair	3	
ITS 227 (ITS 157) Web Site Development	Recommended Preparation: ITS 124; ITS 129; ITS 148	3	

Fourth Semester Courses			
Course	Prerequisite and other information	Credits	Grade
ITS 220(Alpha) Topics in Networking Technologies, Or ITS 221(Alpha) Topics in System Development	Prerequisite(s): ITS 104 Prerequisite(s): ITS 151 and a grade of "C" or higher in all ITS 221 prerequisites of the same topic; or consent of the Business Education Department Chairperson, program coordinator, or instructor	3	
ECON 120 Introduction to Economics	Prerequisite(s): Qualification for MATH 24; qualification for ENG 100	3	
ITS 293 (ITS 193) Information Technology Program Internship	Prerequisite(s): Consent of BE department chairperson, Info Tech program coordinator, or instructor	3	
KCC AS / NS A.S. Natural Science Elective (100 level or higher)	See catalog for prerequisite information	3	
KCC AS / AH A.S. Arts and Humanities Elective (100 level or higher)	See Advisor for recommendations if you plan to transfer to a University	3	
eBus 101 Teamwork Fundamentals	Recommended Preparation: Credit or concurrent enrollment in ENG 22 or qualification for ENG 100 or equivalent course; qualification for MATH 24 or higher level math course; ICS 100 or ICS 101 or equivalent	3	

Please note: A grade of "C" or higher is required to satisfy the prerequisites of any Information Technology course. A grade of "C" or higher is required in all Information Technology courses in order to fulfill the requirements for the A.S. degree.

The issuance of an A.S. degree requires that the student must earn a G.P.R. of 2.0 or higher for all courses applicable toward the degree. IT students who are considering transferring to a University should consult with their Business Advisor about the specific applicability of KCC courses to their Bachelor degree program. Not all courses offered in the IT program at KCC are transferable to the University of Hawaii at Manoa.

Information Technology Certificates

Information Technology Certificate of Completion in Database Administration				
Course	Prerequisite and other information	Credits	Grade	Comments
ICS 100 Computing Literacy and Applications, or ICS 101 Digital Tools for the Information World	None Recommended Preparation: Keyboarding experience; credit or qualification for ENG 100, ENG 160 or ESL 100; credit or qualification for MATH 103 or higher level mathematics	3		
ITS 129 Introduction to Databases	Prerequisite(s): Qualification for ENG 22 or ESOL 94 or higher; qualification for MATH 24 or higher	3		
ITS 149AD Database Administration I	Prerequisite(s): ITS 129 or consent of the instructor or BE department chair	3		
ITS 229AD Database Administration II	Prerequisite(s): ITS 149AD or consent of instructor or BE department chair	3		
Total Credits		12		

Information Technology Certificate of Completion in Help Desk Services				
Course	Prerequisite and other information	Credits	Grade	Comments
ICS 100 Computing Literacy and Applications, or ICS 101 Digital Tools for the Information World	None Recommended Preparation: Keyboarding experience; credit or qualification for ENG 100, ENG 160 or ESL 100; credit or qualification for MATH 103 or higher level mathematics	3		
ITS 124 Small Business Networking	Prerequisite(s): Qualification for ENG 22 or ESOL 94 or higher; qualification for MATH 24 or higher Recommended Preparation: Previous computer experience	3		
ITS 144 Business PC System Maintenance / Support and OS Installation	Prerequisite(s): ITS 124 or consent of the instructor or BE department chair	3		
ITS 224 Help Desk Support Practices	Prerequisite(s): ITS 144 or consent of the instructor or BE department chair	3		
Total Credits		12		

Information Technology Certificate of Completion in Programming				
Course	Prerequisite and other information	Credits	Grade	Comments
ICS 100 Computing Literacy and Applications, or ICS 101 Digital Tools for the Information World	None Recommended Preparation: Keyboarding experience; credit or qualification for ENG 100, ENG 160 or ESL 100; credit or qualification for MATH 103 or higher level mathematics	3		
ITS 128 Introduction to Problem Solving	Prerequisite(s): Qualification for ENG 22 or higher; qualification for MATH 24 or higher	3		
ITS 148 Visual Basic I	Prerequisite(s): ITS 128 or consent of the instructor or BE department chair	3		
ITS 228 Visual Basic II	Prerequisite(s): ITS 148 or consent of the instructor or BE department chair	3		
Total Credits		12		

Certificate of Achievement in Information Technology				
Course	Prerequisite and other information	Credits	Grade	Comments
ENG 100 Composition I, or ESL 100 Expository Writing: A Guided Approach, or ENG 160 Business and Technical Writing	Prerequisite(s): ENG 22 with a grade of "C" or higher, or qualification for ENG 100 on the KCC placement instrument Prerequisite(s): Qualification for ESL 100 on the KCC placement instrument, or a grade of "C" or higher in ENG 22, or successful completion of ESOL 94, or instructor recommendation Prerequisite(s): A grade of "C" or higher in ENG 22 or qualification for ENG 100 on the KCC placement test	3		
BUS 100 Business Math, or BUS 250 Applied Math in Business, or MATH 103 Fundamentals of College Algebra, or higher level mathematics	Prerequisite(s): A grade of "A" in MATH 24, or a grade of "C" or higher in MATH 25, or a grade of "C" or higher in MATH 81, or tested placement at MATH 100 or higher level math; qualification for ENG 22 or ESOL 94 Prerequisite(s): Qualification for MATH 135 Recommended Preparation: Qualification for ENG 100 or ESL 100; ICS 100 or ICS 101 Prerequisite(s): A grade of "C" or higher in MATH 25 or a KCC Placement Test recommendation of MATH 103	3		
ACC 201 Financial Accounting	Recommended Preparation: ICS 100 or ICS 101; qualification for MATH 24 or higher; ENG 22 or higher	3		
Bus 120 Introduction to Business	None	3		
ICS 100 Computing Literacy and Applications, or ICS 101 Digital Tools for the Information World	None Recommended Preparation: Keyboarding experience; credit or qualification for ENG 100, ENG 160 or ESL 100; credit or qualification for MATH 103 or higher level mathematics	3		
ITS 124 Small Business Networking	Prerequisite(s): Qualification for ENG 22 or ESOL 94 or higher; qualification for MATH 24 or higher Recommended Preparation: Previous computer experience	3		
ITS 128 Introduction to Problem Solving	Prerequisite(s): Qualification for ENG 22 or higher; qualification for MATH 24 or higher	3		
ITS 129 Introduction to Databases	Prerequisite(s): Qualification for ENG 22 or ESOL 94 or higher; qualification for MATH 24 or higher	3		
ITS 144 Business PC System Maintenance / Support and OS Installation	Prerequisite(s): ITS 124 or consent of the instructor or BE department chair	3		
ITS 224 Help Desk Support Practices	Prerequisite(s): ITS 144 or consent of the instructor or BE department chair	3		
Total Credits		30		

Please note: A grade of "C" or higher is required in all Information Technology courses in order to fulfill the requirements for certificates. Students are encouraged to complete and apply for these certificates. These courses can be used towards fulfilling requirements for the Associate in Science Information Technology degree.