

University of Hawai'i • Kapi'olani Community College • **Business, Legal and Technology (BLT) Education Department**
Information Technology (ITS) AS Degree Program Curriculum (60 credits)—Fall 2010/Spring 2011
 Advisors: Students with last names "A-K" contact Lori Sakaguchi at LLsakagu@hawaii.edu or 734-9017
 Students with last names "L-Z" contact Cynthia Kimura at ckimura@hawaii.edu or 734-9107

First Semester Courses	Prerequisite and other information	UHWO Applies toward Bachelors (BAS)
ICS 100 Computing Literacy & 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	Yes
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	Yes
ITS 128 Introduction to Problem Solving	Prerequisite(s): Qualification for ENG 22 or higher; qualification for MATH 24 or higher level mathematics	Yes
ITS 129 Introduction to Databases	Prerequisite(s): Qualification for ENG 22 or ESOL 94 or higher; qualification for MATH 24 or higher level	Yes
BUS 120 Principles of Business	None	Yes
Second Semester Courses		
ACC 201 Introduction to Financial Accounting	Recommended Preparation: ICS 100 or ICS 101; qualification for MATH 24 or higher; ENG 22 or higher	Yes
ITS 144 Business PC System Maintenance/Support and OS Installation	Prerequisite(s): ITS 124 or consent of the instructor or BLT department chair	Yes
ITS 148 Visual Basic I	Prerequisite(s): ITS 128 or consent of the instructor or BLT department chair	Yes
ITS 149AD Database Administration I	Prerequisite(s): ITS 129 or consent of the instructor or BLT department chair	Yes
ENG 100 Composition I, ESL 100 Composition I, or ENG 160 Business and Technical Writing	Prerequisite(s): ENG 22 with a grade of "C" or better, or qualification for ENG 100 Prerequisite(s): Qualification for ESL 100, or a grade of "C" or better in ENG 22, or successful completion of ESOL 94, or instructor recommendation Prerequisite(s): A grade of "C" or better in ENG 22 or qualification for ENG 100	ENG 100 or ESL 100
Third Semester Courses		
BUS 100 Business Math, BUS 250 Applied Math in Business, 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 better in MATH 25, or a grade of "C" or better in MATH 81, or qualification for MATH 100 or higher level math; qualification for ENG 22 or ESOL 94 Prerequisite(s): A grade of "C" or better in MATH 103, or a grade of "C" or better in MATH 27, or 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 better in MATH 25 or qualification for MATH 103	BUS 250 or MATH 103
ITS 224 Help Desk Support Practices	Prerequisite(s): ITS 144 or consent of the instructor or BLT department chair	Yes
ITS 228 Visual Basic II	Prerequisite(s): ITS 148 or consent of the instructor or BLT department chair	Yes
ITS 229AD Database Administration II	Prerequisite(s): ITS 149AD or consent of the instructor or BLT department chair	Yes
ITS 227 Web Site Development	Recommended Preparation: ITS 124; ITS 129; ITS 148	Yes
Fourth Semester Courses		
KCC AS/SS Social Science requirement: ECON 120 Introduction to Economics, ECON 130 Principles of Micro Economics, or ECON 131 Principles of Macro Economics	Prerequisite(s): Qualification for MATH 24; qualification for ENG 100 Prerequisite(s): MATH 25; qualification for ENG 100 Prerequisite(s): ECON 130; MATH 25; qualification for ENG 100	Yes
ITS 293 Information Technology Program Internship	Prerequisite(s): Consent of instructor, Info Tech program coordinator, or BLT department chair	Yes
AS/NS Natural Science requirement (100 level or higher)	See next page for AS/NS Natural Science course options or catalog See advisor if you plan to transfer to a university (*recommend: natural science with lab)	*Yes
AS/AH Arts & Humanities requirement (100 level or higher)	See next page for AS/AH Arts & Humanities course options or catalog See advisor if you plan to transfer to a university (*recommend: HWST 107 or other HAP focus DH, DL courses)	*Yes
eBUS 101 Teamwork Fundamentals, SP 151 Personal and Public Speech, or SP 251 Principles of Effective Public Speaking	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 Recommended Preparation: Qualification for ENG 100, ENG 160, or ESL 100 Recommended Preparation: SP 151, SP 200, ENG 100, ENG 160, or ESL 100	SP 151 or SP 251

AS in Information Technology—Course Planning

General Education and Business Courses	Business Courses	ITS Courses	
ENG 100, ESL 100, or ENG 160	ACC 201	ITS 124	ITS 224
BUS 100, BUS 250, or MATH 103	BUS 120	ITS 128	ITS 227
ECON 120, ECON 130, or ECON 131	eBUS 101, SP 151, or SP 251	ITS 129	ITS 228
AS/NS Natural Science (not ICS 100)	ICS 100 or ICS 101	ITS 144	ITS 229 AD
AS/AH Arts & Humanities		ITS 148	ITS 293
		ITS149 AD	

AS/AH ARTS & HUMANITIES course options (*can be used as AH or SS but not both):

AMST 201, 202; ART 101, 189; *ASAN 100; DNCE 150; EALL 261, 262, 271, 272; ENG 214, 250, 251, 252, 253, 254, 255, 256, 257 (any alpha), 270 (any alpha), 271 (any alpha), 272 (any alpha), 273 (any alpha); HAW 261, 262; HIST 151, 152, 231, 232, 241, 242, 252, 281, 282, 284, 288; HUM 269; HWST 100, 107; IS 109; LING 102; MUS 106, 107, 108, 170, 229, 230; PACS 108, 257, 273; PHIL 100, 101, 102, 211, 213, 250; REL 150, 151, 202; SP 251; THEA 101

AS/NS NATURAL SCIENCE course options:

ASTR 110, 280; BIOC 244; BIOL 101, 130, 171, 172; BOT 101, 130; CHEM 100, 151, 161, 162; FSHE 185; GEOG 101; GG 103; ICS 111; MICR 130, 135, 140; OCN 201; PHYL 160; PHYS 100, 122, 151; SCI 124; ZOOL 141, 142, 200

Please note: A grade of “C” or better is required to satisfy the prerequisites of any Information Technology course. A grade of “C” or better is required in all Information Technology courses in order to fulfill the requirements for the AS degree. The issuance of an AS degree requires that the student must earn a GPR of 2.0 or higher for all courses applicable toward the degree. Info Tech students who are considering transferring to a university should consult with their advisor about the specific applicability of KCC courses to their bachelor degree program. Not all courses offered in the ITS program at KCC are transferable to the University of Hawai‘i at Manoa.

Information Technology Certificates—Fall 2010/Spring 2011

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Certificate of Completion in Database Administration (12 credits)		
Course	Prerequisite and other information	Credits
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 BLT department chair	3
ITS 229AD Database Administration II	Prerequisite(s): ITS 149AD or consent of instructor or BLT department chair	3
Total Credits		12

Please note: A grade of "C" or better is required in all applicable Information Technology courses in order to fulfill the requirements for the certificate. Students must earn a grade point ratio (GPR) of 2.0 or higher for all courses required in the certificate.

Certificate of Completion in Help Desk Services (12 credits)		
Course	Prerequisite and other information	Credits
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 level mathematics 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 BLT department chair	3
ITS 224 Help Desk Support Practices	Prerequisite(s): ITS 144 or consent of the instructor or BLT department chair	3
Total Credits		12

Please note: A grade of "C" or better is required in all applicable Information Technology courses in order to fulfill the requirements for the certificate. Students must earn a grade point ratio (GPR) of 2.0 or higher for all courses required in the certificate.

Certificate of Completion in Programming (12 credits)		
Course	Prerequisite and other information	Credits
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 level mathematics	3
ITS 148 Visual Basic I	Prerequisite(s): ITS 128 or consent of the instructor or BLT department chair	3
ITS 228 Visual Basic II	Prerequisite(s): ITS 148 or consent of the instructor or BLT department chair	3
Total Credits		12

Please note: A grade of "C" or better is required in all applicable Information Technology courses in order to fulfill the requirements for the certificate.

Certificate of Achievement in Information Technology (30 credits)		
Course	Prerequisite and other information	Credits
ENG 100 Composition I, ESL 100 Composition I, or ENG 160 Business and Technical Writing	Prerequisite(s): ENG 22 with a grade of "C" or better, or qualification for ENG 100 on the KCC placement test Prerequisite(s): Qualification for ESL 100 on the KCC placement test, or a grade of "C" or better in ENG 22, or successful completion of ESOL 94, or instructor recommendation Prerequisite(s): A grade of "C" or better in ENG 22 or qualification for ENG 100 on the KCC placement test	3
BUS 100 Business Math, BUS 250 Applied Math in Business, 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 better in MATH 25, or a grade of "C" or better in MATH 81, or tested placement at MATH 100 or higher level math; qualification for ENG 22 or ESOL 94 Prerequisite(s): A grade of "C" or better in MATH 103, or a grade of "C" or better in MATH 27, or 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 better 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 BLT department chair	3
ITS 224 Help Desk Support Practices	Prerequisite(s): ITS 144 or consent of the instructor or BLT department chair	3
Total Credits		30

Please note: A grade of "C" or better is required in all Information Technology courses in order to fulfill the requirements for certificates. Student must earn a Grade Point Ratio (GPR) of 2.0 or higher for all courses applicable towards 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.

An Equal Opportunity/Affirmative Action Institution.

This information is available in alternate formats upon request. For disability accommodations, advance notice of 10 working days is requested.

Contact Cynthia Kimura at ckimura@hawaii.edu or (808) 734-9107