Bachelor of Arts Applied Science, Information Security and Assurance (ISS – LCC/APSC-ISA UHWO Articulation Agreement)

The goal of academic advising is to further enhance the educational mission of the university, and create quality, accessible advising partnerships with all students in a positive environment that supports student success. This advising sheet is for tracking purposes toward degree completion and is subject to change. Students also may track their academic progress via STAR Degree Check through MyUH at myuh.hawaii.edu. Academic Advising appointments may be scheduled by calling 808-689-2689 or toll-free from neighbor islands at 866-299-8656.

Faculty contact for this degree is Dr. Matthew Chapman, email at mchapman@hawaii.edu or contact by phone at 808-689-2333.

Graduation Requirements (see the 2016-2017 catalog for any additional graduation requirements):

☐ 45 Upper Division Credits Minimum   ☐ 3 Upper Division Writing Intensive Courses   ☐ 2.0 *OVERALL GPA*
☐ 120 Total Credits Minimum   ☐ Focus Requirements (OC, HAP, ETH)   ☐ 2.0 *UHWO GPA*
☐ 30 UHWO Credits   ☐ 2.0 *CONCENTRATION GPA*

General Education Requirements: 28-31 credits

Credits	Course Alpha / Number / Title	WI or Focus	Semester Completed	Grade
3	Foundations Written Communications (FW) ENG 100 Composition I			
3	Foundations Symbolic Reasoning (FS) MATH 103, MATH 135, MATH 140 or higher			

3	Foundations Multicultural Perspectives (FG):
	 6 credits from two ***different*** groups (A, B, C):
	    *Group A: Primarily before 1500 CE (e.g.; HIST 151 or ANTH 151)
	    *Group B: Primarily after 1500 CE (e.g.; HIST 152 or ANTH 152)
	    *Group C: Pre-history to present			

3	Foundations Multicultural Perspectives (FG): Group different from above.			
3	Diversification Arts, Humanities & Literature (DA, DH, DL): 6 credits from two different areas. (Recommend course with HAP Focus)			
3	Diversification Arts, Humanities & Literature (DA, DH, DL): Different from area above. (Recommend course with OC focus)			
3	Diversification Social Sciences (DS): 6 credits from two different areas			
3	Diversification Social Sciences (DS): Different from area above			
3	Diversification Natural Sciences (DB, DP, DY): 3 credits from the biological sciences (DB):			
3	3 credits from the physical sciences (DP):			
1	1 credit of laboratory (DY):			

ICS Core Requirements: 27 credits

Credits	Course Alpha / Number / Title	WI or Focus	Semester Completed	Grade
3	Select one course from the following: ICS 100 Computing Literacy & Apps ICS 101 Digital Tools for Info World			
3	ICS 110 Introduction to Programming			
3	ICS 111 Introduction to Computer Science I			
3	ICS 113 Database Fundamentals			
3	ICS 125 Personal Computer Maintenance and Repair			
3	ICS 184 Introduction to Networking			
3	ICS 240 Operating Systems			
3	ICS 270 System Analysis			
3	ICS 293D Cooperative Education			

ISA Specialization and other Degree Requirements: 18-21 credits

Select one specialization from the following: 9 credits

Network Support Specialist
Courses:
ICS 171 Introduction to Computer Security
ICS 172 Network Design and Administration
ICA 283 Advanced Network Design and
Administration

Database Support Specialist
Courses:
ICS 151 Structured Database Programming
DMED 120 NetPrep Web Development
ICS 251 Advanced Database Programming

Information Security Specialist
Courses:
ICS 171 Introduction to Computer Security
ICS 281 Ethical Hacking
ICS 282 Computer Forensics

Mobile Developer Specialist
Courses:
ICS 136 Introduction to Mobile Device
Application Developer
ICS 251 Advanced Database Programming or
DMED 120 NetPrep Web Development
ICS 236 Mobile Device Management and
Programming

Software Developer Specialist
Courses:
ICS 211 Introduction to Computer Science II
ICS 212 Program Structure or
DMED 120 Introduction to Scripting
ICS 241 Discrete Mathematics for Computer
Science II

Credits	Course Alpha / Number / Title	WI or Focus	Semester Completed	Grade
3				
3				
3				

General Lower Level Degree Requirements: 9-12 credits

Credits	Course Alpha / Number / Title	WI or Focus	Semester Completed	Grade
3	Select one of the following: MATH 103 College Algebra ICS 141 Discrete Math			
3	ENG 225 Technical Writing			
3	ICS 170 Ethics for the Digital World			
3	SP 151 Personal and Public Speech	OC		

ICS Core Requirements: 15 credits (12 UD)

Credits	Course Alpha / Number / Title	WI or Focus	Semester Completed	Grade
3	Select one course from the following: *ENG 200 Composition II (UHWO Writing Skills Requirement) ENG 209 Business Writing ENG 210 Writing Term Papers ENG 215 Research/Argumentative Writing			
3	Select one course from the following: PUBA/BUSA 481 Ethics and Administration PUBA 477 Ethics and Health Care Administration MGT 301 Business Ethics Or 300-400 level course with ETH focus	ETH		
3	SSCI 301 Methods & Techniques in Social Science Research			
3	Select one course from the following: (check pre-requisites) PUBA 341 Statistics for Decision-Making in Public Administration BUSA 320 Statistics for Decision-Making			
3	WI APSC 486 (alpha) or WI APSC 490 (alpha) Senior Practicum (Capstone Req)	WI		

ISA Concentration Upper Division Requirements: 33 credits

Credits	Course Alpha / Number / Title	WI or Focus	Semester Completed	Grade
3	ISA 320 Fundamentals of Secure Software Programming			
3	ISA 330 Introduction to Proactive System Security			
3	ISA 340 Introduction to Digital Forensics			
3	ICS 400 Management of Information Security			
3	ICS 450 Modern Cyber Conflicts			

Credits	Course Alpha / Number / Title	WI or Focus	Semester Completed	Grade
3	CENT/ITS 410 IT Project Management	WI		

Upper Division UHWO Electives: 9 credits

Credits	Course Alpha / Number / Title	WI or Focus	Semester Completed	Grade
3	300 or higher level Business Area or PUBA courses not used to meet any other requirement			
3	300 or higher level Business Area or PUBA courses not used to meet any other requirement			
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Upper Division Restricted Electives: 6 credits

Credits	Course Alpha / Number / Title	WI or Focus	Semester Completed	Grade
3	300 or higher level Business Area, CENT, ISA, or PUBA courses not used to meet any other requirement			
3	300 or higher level Business Area, CENT, ISA, or PUBA courses not used to meet any other requirement			

Business Area is meant to reflect any course in core or concentration areas within the B.A. in Business Administration.
Programs like ACC, FIN, MGT, or MKT.