

# Bachelor of Arts Applied Science, Information Security and Assurance (ISA – HCC/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](http://myuh.hawaii.edu). Academic Advising appointments may be scheduled by calling [808-689-2689](tel:808-689-2689) or toll-free from neighbor islands at [866-299-8656](tel:866-299-8656).

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

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

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|--|---|--|
| <input type="checkbox"/> 45 Upper Division Credits Minimum | <input type="checkbox"/> 3 Upper Division Writing Intensive Courses | <input type="checkbox"/> 2.0 OVERALL GPA       |
| <input type="checkbox"/> 120 Total Credits Minimum         | <input type="checkbox"/> Focus Requirements (OC, HAP, ETH)          | <input type="checkbox"/> 2.0 UHWO GPA          |
| <input type="checkbox"/> 30 UHWO Credits                   |   | <input type="checkbox"/> 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 <b>different</b> 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. (Recommend ECON 130 or 131)			
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): (Recommended PHYS 105)			
1	1 credit of laboratory (DY):			

## 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 ENG 209 Business Writing ENG 210 Writing Term Papers ENG 215 Research/Argumentative Writing			
3	Select one course from the following: PUBA/BUSA/PHIL 481 Ethics and Administration PUBA 477 Ethics and Health Care Administration MGT 301 Business Ethics	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 486S Senior Project or WI APSC 490S Senior Practicum (Capstone Req)	WI		

**ISA Lower Division Coursework: 45-47 credits (Waived if hold as CENT from HCC)**

Credits	Course Alpha / Number / Title	WI or Focus	Semester Completed	Grade
3	CENT/ICS 110 Introduction to Information Systems			
4	CENT 132 ICT Support (can sub CENT 130 and CNT 131)			
3-4	ICS 111 Introduction to Computer Science I			
4	CENT 140 Computer Networking I			
4	CENT 228 System Administration & TCP/IP Networking with Unix/Linux			
4	CENT 231 Telecommunications			
4	CENT 240 Computer Networking II			
4	CENT 270 Networking Operating Systems I			
3	CENT 275 Security Essentials			
3	CENT 280 Database Systems I			
2	CENT 290V Internship for CENT or CENT 293V Cooperative Education			
1	FAMR 100A Personal & Professional Development			

**Program Electives: 9-10 credits**

Credits	Course Alpha / Number / Title	WI or Focus	Semester Completed	Grade
3	ACC 201 Introduction to Financial Accounting			
3	Select one course from the following: ECON 130 Principles of Microeconomics ECON 131 Principles of Macroeconomics			
3-4	Select one course from the following: CENT 232 PC Desktop and Printer Support CENT 285 Introduction to Internet Applications/Web Applications ICS 211 Introduction to Computer Science II (using Java) Any CENT course numbered 300 or above that is not otherwise used to meet a program requirement			

**ISA Concentration Coursework: 18 credits**

Credits	Course Alpha / Number / Title	WI or Focus	Semester Completed	Grade
3	ISA 400 Management of Information Security (UHWO)			
3	CENT 310 Network Security (HCC)			
3	ITS/CENT/BUSA 410 IT Project Management (UHWO)	WI		
3	ISA Electives (9 credits total): 300 or higher level ISA courses not used to meet any other requirement			
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**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			
3	300 or higher level Business Area or PUBA courses not used to meet any other requirement			

**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, or MGT.

Note: UHWO requires 3 courses of upper-division Writing Intensive for graduation, with no more than three credits from the capstone course (APSC 486/490)