

Bachelor of Applied Science, Information Security and Assurance

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](tel:808-689-2689) or toll-free from neighbor islands at [866-299-8656](tel:866-299-8656).

Graduation Requirements (see the 2018-2019 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 UHWO GPA |
| <input type="checkbox"/> 120 Total Credits Minimum | <input type="checkbox"/> Focus Requirements (OC, HAP, ETH) | <input type="checkbox"/> 2.0 CONCENTRATION GPA |
| <input type="checkbox"/> 30 UHWO Credits | | |

General Education Requirements: 31 credits

Credits	Course Alpha / Number / Title
3	Foundations Written Communications (FW) ENG 100 Composition I
3	Foundations Symbolic Reasoning (FS) OR Foundations of Quantitative Reasoning (FQ) MATH 115 Statistics
6	Foundations Global and Multicultural Perspectives (FG): 6 credits from two <i>different</i> 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
6	Diversification Arts, Humanities & Literature (DA, DH, DL): 6 credits from two different areas
3	Diversification Social Sciences (DS): 6 credits from two different areas
3	Diversification Social Sciences (DS): Different area from 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):

ISA Lower Division Concentration Requirements: 21 credits

Credits	Course Alpha / Number / Title
3	ICS 101 Digital Tools for Info World
3	ICS 111 Introduction to Computer Science I
3	ICS 113 Database Fundamentals OR ICS/ITS 129 Introduction to Databases
3	ICS 184 Introduction to Networking
3	ICS 211 Introduction to Computer Science II
3	ICS 240 Operating Systems
3	ISA 275 Security Essentials OR CENT 275 Security Essentials

ISA Lower Division Math Requirement: 7-11 credits

Credits	Course Alpha / Number / Title
0 or 3	MATH 115 Statistics <i>(Can also satisfy FS General Ed Requirement)</i>
4	MATH 241 Calculus I
4	MATH 242 Calculus II

Applied Science Core Requirements: 12 credits

Credits	Course Alpha / Number / Title
3	ENG 200* Composition II (or equivalent), ENG 209, ENG 210, or ENG 215 *UHWO WRITING SKILLS REQUIREMENT
3	300-400 level course with an ETH designation

Credits	Course Alpha / Number / Title
3	SSCI 301 Methods & Techniques in Social Science Research
3	SSCI 210 Statistical Analysis I (Recommend Pre: Math 115)

ISA Upper Division Concentration Requirements: 18 credits

Credits	Course Alpha / Number / Title
3	ISA 320 Fundamentals of Secure Software Programming
3	ISA 330 Introduction to Proactive System Security
3	ISA 340 Introduction to Digital Forensics
3	ISA 400 Management of Information Security
3	ISA 450 Modern Cyber Conflicts
3	CENT/ITS 410 IT Project Management

ISA Upper Division Concentration Requirements: 18 credits

Complete 18 credits of 300 or higher level ISA, CENT, IT, MATH, PUBA, or Business Area* electives

*Business Area is meant to reflect any course in core or concentration areas within the BA in Business Administration Programs like ACC, BUSA, ECON, FIN, FMGT, MGT, or MKT

Credits	Course Alpha / Number / Title
3	<i>Recommended: CENT 305 Information Systems Security (Spring)</i>
3	<i>Recommended: BUSA 342 Practical Programming: Python</i>
3	<i>Recommended: BUSA 348 Data Analytics for Business</i>
3	<i>Recommended: BUSA 386 Global Management and Organizational Behavior</i>
3	<i>Recommended: ISA 430 Cybersecurity of SCADA (Spring)</i>
3	<i>Recommended: ISA Topics: Cybersecurity Competitions (Fall - as available)</i>

Capstone Requirement: 3 (UD) credits

Credits	Course Alpha / Number / Title
3	WI APSC 486S Senior Project or WI APSC 490S Senior Practicum

Elective Requirements: 9-15 credits

Credits	Course Alpha / Number / Title
3	<i>Recommended: additional MATH up to 15 credit hours (see below)</i>
3	<i>Recommended: PUBA 101 Introduction to Disaster & Emergency (DS)</i>
3	<i>Recommended: CM 160 Mobile World / CM 120 Intro to Digital Video / CM 153 Video Editing</i>
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*Students are encouraged to complete 15 credit hours of any combination of statistics and mathematics that include differential and integral calculus in order to promote eligibility for specialized professional employment opportunities in cybersecurity and scientific career fields.

NOTES: Dr. Matthew Chapman (mchapman@hawaii.edu) is the faculty contact for this degree.