

# Information Systems, BSBA - Cybersecurity Concentration

## BSBA, Information Systems Requirements (Cybersecurity Concentration)

- BSBA degree requires 120 credit hours, an overall 2.0 GPA, and a GPA of 2.0 in the 45 credit hours in the Upper Division Business degree requirements and major requirements.
- 12 credit hours of 300 level and above must be taken in the major.
- 12 of the last 18 credit hours must be taken at UAH, with an overall 25% of coursework taken at UAH.
- Grade of C- or higher in MGT 499.
- No more than 60 credit hours from a two-year college can be applied toward a UAH degree.

For UAH degree requirements and graduation application instructions, see here (<http://catalog.uah.edu/undergrad/policies-procedures/application-graduation/>).

Code	Title	Semester Hours
<b>Area I: Freshman Composition</b>		<b>3-6</b>
EH 101 or EH 101S	COLLEGE WRITING I COLLEGE WRITING I W/STUDIO	
EH 102	COLLEGE WRITING II	
EH 103	ACCELERATED COLLEGE WRITING	
EH 105	HONORS ENGLISH SEMINAR	
<b>Area II: Humanities and Fine Arts*</b>		<b>12</b>
Fine Arts		3
ARH 100	ARH SUR: ANCIENT-MEDIEVAL	
ARH 101	ARH SUR: RENAISSANCE-MODERN	
ARH 103	ARH SUR: WORLD ART	
ARS 160	DRAWING: FOUNDATIONS	
TH 122	THEATRE APPRECIATION	
TH 123	INTRO TO FILM STUDIES	
MU 100	INTRO TO MUSIC LITERATURE	
Literature		3-6
EH 207	READINGS LITERATURE/CULTURE I	
EH 208	READINGS LITERATURE/CULTURE 2	
EH 209	HONORS SEM READINGS LIT/CUL I	
EH 210	HONORS SEM READINGS LIT/CUL 2	
EH 241	LITERATURE WITHOUT BORDERS	
EH 242	MYTHOLOGY	
EH 243	PROTEST LITERATURE	
EH 244	HEROES &/OR MONSTERS	
EH 245	LOVE &/OR ROMANCE	
EH 246	SPECULATIVE REALITIES	
Humanities and Fine Arts		3-6
CM 113	Intro to Rhetorical Communication	
WLC 101S or WLC 101A or WLC 101F or WLC 101G or WLC 101J or WLC 101R	INTRO FOREIGN LANG I: SPANISH INTRO FOREIGN LANG I: ARABIC INTRO FOREIGN LANG I:FRENCH INTRO FOREIGN LANG I:GERMAN INTRO FOREIGN LANG I:JAPANESE INTRO FOREIGN LANG I:RUSSIAN	
WLC 102S or WLC 102A	INTRO FOREIGN LANG II:SPANISH INTRO FOREIGN LANG II: ARABIC	

or WLC 102F	INTRO FOREIGN LANG II:FRENCH
or WLC 102G	INTRO FOREIGN LANG II:GERMAN
or WLC 102J	INTRO FOREIGN LANG II:JAPANESE
or WLC 102R	INTRO FOREIGN LANG II:RUSSIAN
WLC 201S	INTERM FOREIGN LANG:SPANISH
or WLC 201A	INTERM FOREIGN LANG I: ARABIC
or WLC 201F	INTERM FOREIGN LANG:FRENCH
or WLC 201G	INTERM FOREIGN LANG:GERMAN
or WLC 201J	INTERM FOREIGN LANG: JAPANESE
or WLC 201R	INTERM FOREIGN LANG:RUSSIAN
WLC 202S	INTERM FOREIGN LANG II:SPANISH
or WLC 202A	INTERM FOREIGN LANG II: ARABIC
or WLC 202F	INTERM FOREIGN LANG II:FRENCH
or WLC 202G	INTERM FOREIGN LANG II:GERMAN
or WLC 202J	INTERM FORGN LANG II:JAPANESE
or WLC 202R	INTERM FOREIGN LANG II:RUSSIAN
WLC 204	INTERNATIONAL CINEMA
PHL 101	INTRODUCTION TO PHILOSOPHY
PHL 102	INTRO TO ETHICS
PHL 103	INTRODUCTION TO LOGIC
PHL 150	TECH, SCIENCE & HUMAN VALUES
WGS 200	INTRO WOMENS/GENDER/SEXLTU STU
AMS 229	ANCIENT & MEDIEVAL WORLDS
ARH 100	ARH SUR: ANCIENT-MEDIEVAL
ARH 101	ARH SUR: RENAISSANCE-MODERN
ARH 103	ARH SUR: WORLD ART
ARS 160	DRAWING: FOUNDATIONS
TH 122	THEATRE APPRECIATION
TH 123	INTRO TO FILM STUDIES
MU 100	INTRO TO MUSIC LITERATURE
<b>Area III: Mathematics and Sciences</b>	<b>11-12</b>
Mathematics	3-4
MA 105	NATURE OF MATHEMATICS
MA 107	ALGEBRA WITH APPLICATIONS
MA 110	FINITE MATHEMATICS
MA 112	PRECALCULUS ALGEBRA
MA 113	PRECALCULUS TRIGONOMETRY
MA 115	PRECALCULUS ALGEBRA & TRIG
MA 120	MATH PROFESSIONAL APPLICATIONS
MA 171	CALCULUS A
MA 181	INTRODUCTION TO STATISTICS
Natural Sciences (Lab)	8
AST 100	SURVEY OF ASTRONOMY
AST 106	EXPLORING THE COSMOS I
AST 107	EXPLORING THE COSMOS II
BYS 109	FUNDAMENTALS OF BIOLOGY
BYS 119 & BYS 121	PRINCIPLES OF BIOLOGY and LABORATORY
BYS 120 & BYS 122	ORGANISMAL BIOLOGY and ORGANISMAL BIOLOGY LAB
BYS 215	HUMAN ANATOMY & PHYSIOLOGY I
CH 101 & CH 105	INTRO TO CHEMISTRY and INTRO CHEMISTRY LAB

CH 121 & CH 125	GENERAL CHEMISTRY I and GENERAL CHEMISTRY LAB I
CH 123 & CH 126	GENERAL CHEMISTRY II and GENERAL CHEMISTRY LAB II
CH 151 & CH 105	GENERAL, ORGANIC, BIOCHEMISTRY and INTRO CHEMISTRY LAB
PH 100	CONCEPTUAL PHYSICS
PH 101	GENERAL PHYSICS I
PH 102	GENERAL PHYSICS II
PH 111 & PH 114	GEN PHYSICS W/CALCULUS I and GENERAL PHYSICS LAB I
PH 112 & PH 115	GEN PHYSICS W/CALC II and GENERAL PHYSICS LAB II
PH 113 & PH 116	GEN PHYSICS W/CALC III and GENERAL PHYSICS LAB III

**Area IV: History and Social and Behavioral Sciences\*** **12**

History 3-6

HY 103	WORLD HISTORY TO 1500
HY 104	WORLD HISTORY SINCE 1500
HY 221	UNITED STATES TO 1877
HY 222	UNITED STATES SINCE 1877

Social and Behavioral Sciences 6-9

AES 105	WORLD REGIONAL GEOGRAPHY
AES 110	PRINCIPLES OF HUMAN GEOGRAPHY
ECN 142	PRINC OF MACROECONOMICS
ECN 143	PRINC OF MICROECONOMICS
GS 200	GLOBAL SYSTEMS AND CULTURES
PSC 101	INTRO TO AMERICAN GOVERNMENT
PSC 102	INTRO TO COMPARATIVE POLITICS
PSC 260	INTRODUCTION TO INTERNATIONAL RELATIONS
PY 101	GENERAL PSYCHOLOGY I
PY 201	LIFE-SPAN DEVELOPMENT
SOC 100	INTRO TO SOCIOLOGY
SOC 102	ANALYSIS OF SOCIAL PROBLEMS
SOC 103	INTRO TO CRIMINOLOGY

\* Take either 1 EH (Area II) + 2 HY (Area IV) <OR> 2 EH (Area II) + 1 HY (Area IV). Take no more than six hours in a single discipline in Area II or Area IV.

Code	Title	Semester Hours
<b>Area V: Pre-Professional Courses</b> <span style="float: right;"><b>31</b></span>		

Courses in this area may also fulfill Charger Foundations requirements.

FYE 101 or HON 101 or BUS 300	CHARGER SUCCESS (1 hour) INTRO TO HONORS RESEARCH BUSINESS TRANSITIONS
MA 120	MATH PROFESSIONAL APPLICATIONS <sup>1</sup>
ECN 142	PRINC OF MACROECONOMICS <sup>2</sup>
ECN 143	PRINC OF MICROECONOMICS <sup>2</sup>
ACC 211 & ACC 212 or ACC 210	PRINC OF FINANCIAL ACCOUNTING and MANAGEMENT ACCOUNTING ACCOUNTING FOR BUSINESS
BLS 211	LEGAL ENVIRON/BUSINESS
IS 146	COMPUTER APPL IN BUSINESS
MSC 287	BUSINESS STATISTICS I

MSC 288	BUSINESS STATISTICS II
EH 300 or EH 301	STRATEGIES FOR BUSINESS WRIT'G TECHNICAL WRITING
CM 313	BUSINESS & PROFESSIONAL COMM
Select one 300-400 level ECN elective	

- <sup>1</sup> Business students must choose either MA 107, MA 107S, MA 112, or MA 112S in Area III: Mathematics in Charger Foundations to satisfy the prerequisite for MA 120 and score a grade of C- or better.
- <sup>2</sup> Business students must choose both ECN 142 and ECN 143 to satisfy both Area IV: Social and Behavioral Sciences in Charger Foundations and Area V: Pre Professional Requirements.

Code	Title	Semester Hours
<b>Upper Division Business Degree Requirements</b>		<b>24</b>
FIN 301	PRINCIPLES OF FINANCE	
IS 301	INFO SYSTEMS IN ORGANIZATIONS	
MGT 301	MANAGING ORGANIZATIONS	
MKT 301	PRINCIPLES OF MARKETING	
MSC 385	OPERATIONS ANALYSIS	
MGT 450	INTERNATIONAL BUSINESS	
MGT 499	COMPETITIVE STRATEGY	
Select one upper division business elective (300-400 level)		
<b>Information Systems Major Requirements (Cybersecurity Concentration)</b>		<b>24</b>
IS 210 or CS 102 or CS 103 or CS 104 or ENG 101	INTRO COMP PROG IN BUS INTRO TO C PROGRAMMING INTRO PROGRAMMING USING JAVA INTRO TO CS USING PYTHON INTRO COMPUTING ENGINEERS	
IS 310	ADVANCED PROGRAMMING	
IS 340	DATABASE MANAGEMENT	
IS 401	CYBERSECURITY PRINCIPLES	
IS 450	CYBERSECURITY MANAGEMENT	
IS 460	NETWORKING & IT INFRASTRUCTURE	
IS 463	DIGITAL FORENSICS	
IS 477	NETWORK DEFENSE & SECURITY	
<b>Total Hours</b>		<b>120</b>
<b>Year 1</b>		
<b>Fall</b>		<b>Semester Hours</b>
EH 101 or EH 101S	COLLEGE WRITING I or COLLEGE WRITING I W/STUDIO	3
FYE 101	CHARGER SUCCESS	1
IS 146	COMPUTER APPL IN BUSINESS	3
MA 107 or MA 107S or MA 112 or MA 112S	ALGEBRA WITH APPLICATIONS or ALGEBRA W/APPLICATIONS S-SECT or PRECALCULUS ALGEBRA or PRECALCULUS ALGEBRA S-SECTION	3
Fine Arts elective		3
History		3
<b>Term Semester Hours:</b>		<b>16</b>
<b>Spring</b>		
ECN 142	PRINC OF MACROECONOMICS	3
EH 102	COLLEGE WRITING II	3

MA 120	MATH PROFESSIONAL APPLICATIONS	3
Science w/Lab		4
Social Behavioral Sciences elective		3
<b>Term Semester Hours:</b>		<b>16</b>
<b>Year 2</b>		
<b>Fall</b>		
ACC 211	PRINC OF FINANCIAL ACCOUNTING	3
BLS 211	LEGAL ENVIRON/BUSINESS	3
ECN 143	PRINC OF MICROECONOMICS	3
MSC 287	BUSINESS STATISTICS I	3
Science w/Lab		4
<b>Term Semester Hours:</b>		<b>16</b>
<b>Spring</b>		
ACC 212	MANAGEMENT ACCOUNTING	3
IS 210	INTRO COMP PROG IN BUS	3
IS 301	INFO SYSTEMS IN ORGANIZATIONS	3
MSC 288	BUSINESS STATISTICS II	3
EH 207	READINGS LITERATURE/CULTURE I	3
<b>Term Semester Hours:</b>		<b>15</b>
<b>Year 3</b>		
<b>Fall</b>		
EH 300 or EH 301	STRATEGIES FOR BUSINESS WRIT'G or TECHNICAL WRITING	3
IS 310	ADVANCED PROGRAMMING	3
IS 340	DATABASE MANAGEMENT	3
MGT 301	MANAGING ORGANIZATIONS	3
Humanities/Fine Arts elective		3
<b>Term Semester Hours:</b>		<b>15</b>
<b>Spring</b>		
CM 313	BUSINESS PROFESSIONAL COMM	3
IS 401	CYBERSECURITY PRINCIPLES	3
FIN 301	PRINCIPLES OF FINANCE	3
MKT 301	PRINCIPLES OF MARKETING	3
MSC 385	OPERATIONS ANALYSIS	3
<b>Term Semester Hours:</b>		<b>15</b>
<b>Year 4</b>		
<b>Fall</b>		
IS 450	CYBERSECURITY MANAGEMENT	3
IS 460	NETWORKING IT INFRASTRUCTURE	3
IS 463	DIGITAL FORENSICS	3
300-400 level upper level business elective		3
Humanities (Non-Literature)		3
<b>Term Semester Hours:</b>		<b>15</b>
<b>Spring</b>		
IS 477	NETWORK DEFENSE SECURITY	3
MGT 450	INTERNATIONAL BUSINESS	3
MGT 499	COMPETITIVE STRATEGY	3

300-400 level ECN elective	3
<b>Term Semester Hours:</b>	<b>12</b>
<b>Total Semester Hours:</b>	<b>120</b>