Transfer Degree Plan
Associate of Science in Computer Information Systems (ASUB)
to
Bachelor of Science Information Technology
Track 1: Programming, Database, and Web (ATU) and
Track 2: Network and Security (ATU)
AY 2024-25

ASU Beebe (60 credit hours)

Possible Prerequisites*(1 or 3 hours)

			ATU equivalent	Hours
ENG	0013	Pre-College Literacy	N/A	NC
ENG	0023	College Literacy (Taken with English I)	N/A	NC
MATH	0123	Pre-College Algebra	N/A	NC
MATH	0111	Review for College Algebra (Taken with College Algebra	N/A	NC

Based on student's placement scores.

University Requirements (1 or 3 hours)

			ATU equivalent	Hours
UNIV	1001	Principles of Academic Success I	TECH 1001 Orientation to the University	1
UNIV	1003	Principles of Academic Success III	GENL General Elective Credit	3

the 3-hour credit course is required for students who must take at least one remedial course. Students who are not required to take a remedial course may take the 3-hour credit course. In both situations, the courses (1-hour or 3-hour) count towards electives.

English/Communication (9 hours)

			ATU equivalent	Hours
ENGL	1003	Freshman English I	ENGL 1013 Composition I	3
ENGL	1013	Freshman English II *(Requires a "C" in Freshman English I)*	ENGL 1023 Composition II	3
SPCH	1203	Oral Communications	COMM 1003 Intro. to Communication[1]	3

Math (3 hours)

			ATU equivalent	Hours
MATH	1023	College Algebra	MATH 1113 College Algebra	3

Social Science (9 hours)

			ATU equivalent	Hours
		Choose One		
HIST	2763	The U.S. to 1876	HIST 2003 U.S. History to 1877	3
HIST	2773	The U.S. since 1876	HIST 2003 U.S. History since 1877	3
POSC	2103	Introduction to U.S. Government	POLS 2003 American Government	3
		Choose One		
HIST	1013	World Civilization to 1660	HIST 1503 World History to 1500	3
HIST	1023	World Civilization since 1660	HIST 1513 World History Since 1500	3
		Choose One		
ECON	2313	Principles of Macroeconomics	ECON 2003 Macroeconomics	3
GEOG	2613	Introduction to Geography	GESS 2XXX Gen. Education Social Science	3
HIST	1013	World Civilization to 1660	HIST 1503 World History to 1500	3
HIST	1023	World Civilization since 1660	HIST 1513 World History Since 1500	3
HIST	2763	The U.S. to 1876	HIST 2003 U.S. History to 1877	3

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HIST	2773	The U.S. since 1876	HIST 2003 U.S. History since 1877	3
POSC	2103	Introduction to U.S. Government	POLS 2003 American Government	3
PSY	2013	Introduction to Psychology	PSY 2003 General Psychology	3
SOC	2213	Principles of Sociology	SOC 1003 Introduction to Sociology	3

Literature (3 hours)

			ATU equivalent	Hours
		Choose One		
ENG	2003	World Literature I	ENGL 2003 Intro to World Literature	3
ENG	2013	World Literature II	GEHM 2XXX Gen. Education Humanities	3
PHIL	1103	Introduction to Philosophy	PHIL 2003 Introduction to Philosophy	3

Fine Art/Humanities (3 hours)

			ATU equivalent	Hours
		Choose One		
ART	2503	Fine Arts – Visual	ART 2123 Experiencing Art	3
MUS	2503	Fine Arts – Musical	MUS 2003 Introduction to Music	3
THEA	2503	Fine Arts – Theatre	TH 2273 Introduction to Theatre	3

Science (8 hours)

			ATU equivalent	Hours
BIOL	1004	Biology for General Education	BIOL 1014 Intro. To Biological Science	4
BIOL	1014	Principles of Biology	BIOL 1114 Principles of Biology	4
CHEM	1014	General Chemistry I	CHEM 2120 General Chemistry I Lab	0
			CHEM 2124 General Chemistry I	4
PHSC	1204	Physical Science	PHSC 1013 Intro. to Physical Science	4
			PHSC 1021 Physical Science Lab	0

Computer Core (12 hours)

			ATU equivalent	Hours
CIS	2014	Structured Programming	COMS 1013 Programming Foundations I	3
			COMS 1011 Programming Foundations I Lab	1
CIS	2004	Programming Concepts	COMS 2323 Programming in Python	3
			GENL 2XXX General Elective Credit	1
CIS	2024	OOP & Fundamentals in Data Structures	COMS 2203 Programming Foundations II	3
			GENL 2XXX General Elective Credit	1

Directed Electives (12-15 hours) – Choose 4 classes

			ATU equivalent	Hours
CIS	2013	Web Page Design	COMS 1333 Web and Mobile Technologies	3
CST	1104	Intro to Computer Hardware/Software	COMS 2703 Computer Hardware and Architecture	3
			GENL 1XXX General Elective Credit	1
CST	1114	Networking Essentials – Cisco I	CSEC 1113 Intro to Networking	3
			GENL 1XXX General Education Credit	1
CST	2034	Introduction to Security	CSEC 1003 Introduction to Cybersecurity	3
			GENL 2XXX General Elective Credit	1
ENGL	2033	Technical Writing and Communication	ENGL 2053 Technical Writing	3
MATH	2143	Calculus with Business Applications	MATH 2243 Calculus for Business and Economics	3
MATH	2233	Applied Statistics	STAT 2163 Introduction to Statistical Methods	3
MATH	2303	Discrete Mathematics	MATH 2703 Discrete Mathematics	3

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Arkansas Tech University Courses

Degree Requirements Track 1: Programming Database and Web (60 hours)

TECH	1001	Orientation to the University[2]	Waive
Choose the 4 courses from this list that were not taken at ASUB		COMS 1333 Web and Mobile Technologies COMS 2703 Computer Hardware and Architecture CSEC 1003 Introduction to Cybersecurity CSEC 1113 Intro to Networking ENGL 2053 Technical Writing MATH 2243 Calculus for Business and Economics MATH 2703 Discrete Mathematics STAT 2163 Introduction to Statistical Methods	12
COMS	2163	Scripting Languages	3
COMS	2213	Data Structures	3
COMS	3053	Ethical Issues in Technology	3
COMS	3163	Web Programming	3
COMS	3363	Server Administration	3
COMS	3233	Database Design and Implementation	3
COMS	3243	Data Mining	3
COMS	3413	App Development	3
COMS	3523	Human Factors in Information Technology	3
COMS	4033	Information Systems Analysis and Design	3
COMS	4213	Database Administration	3
COMS	4913	Capstone I	3
COMS	4923	Capstone II	3
		Approved Electives 3000-4000 Level	8
		Elective	1
		Total	**60**

Degree Requirements Track 2: Network and Security (62 hours)

TECH	1001	Orientation to the University[2]	Waive
Choose the 4 courses from this list that were not taken at ASUB		COMS 1333 Web and Mobile Technologies COMS 2703 Computer Hardware and Architecture CSEC 1003 Introduction to Cybersecurity CSEC 1113 Intro to Networking ENGL 2053 Technical Writing MATH 2243 Calculus for Business and Economics MATH 2703 Discrete Mathematics STAT 2163 Introduction to Statistical Methods	12
COMS	2213	Data Structures	3
COMS	3053	Ethical Issues in Technology	3
COMS	3233	Database Design and Implementation	3
COMS	3363	Server Administration	3
COMS	3373	Data Center Operations	3
COMS	3523	Human Factors in Information Technology	3
COMS	4713	Networking Practicum	3
COMS	4913	Capstone I	3

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COMS	4923	Capstone II	3
CSEC	2213	Network Forensics and Incident Response	3
CSEC	2223	Virtualization	3
CSEC	3123	Cyber Defense I	3
CSEC	3233	Cyber Defense II	3
		Approved Electives 3000-4000 Level	11
		Total	**62**

[1]Allow sub COMM 1003 for COMM 2003 or COMM 2173.
[2]Waive for ASUB students with ASCIS degree.