



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



ASU Beebe (60 credit hours)

University Requirements (1 or 3 hours)			ATU equivalent	Hours
UNIV	10001	Principles of Academic Success I	TECH 1001 Orientation to the University	1
UNIV	10003	Principles of Academic Success III	GENL General Elective Credit	3

English/Communication (9 hours)			ATU equivalent	Hours
ENGL	10103	Freshman English I	ENGL 1013 Composition I	3
ENGL	10203	Freshman English II	ENGL 1023 Composition II	3
SPCH	10003	Oral Communications	COMM 1003 Intro. to Communication	3

Math (3 hours)			ATU equivalent	Hours
MATH	11003	College Algebra	MATH 1113 College Algebra	3

Social Science (9 hours)			ATU equivalent	Hours
		<i>Choose One</i>		
HIST	21103	The U.S. to 1876	HIST 2003 U.S. History to 1877	3
HIST	21203	The U.S. since 1876	HIST 2013 U.S. History since 1877	3
		<i>Choose One</i>		
HIST	11103	World Civilization to 1660	HIST 1503 World History to 1500	3
HIST	11203	World Civilization since 1660	HIST 1513 World History Since 1500	3
		<i>Choose One</i>		
PLSC	20003	Introduction to U.S. Government	POLS 2003 American Government	3

Literature (3 hours)			ATU equivalent	Hours
		<i>Choose One</i>		
ENGL	21103	World Literature to 1660	ENGL 2003 Intro to World Literature	3
ENGL	21203	World Literature since 1660	GEHM 2XXX Gen. Education Humanities	3
PHIL	11003	Introduction to Philosophy	PHIL 2003 Introduction to Philosophy	3

Fine Art/Humanities (3 hours)			ATU equivalent	Hours
		<i>Choose One</i>		
ARHS	10003	Fine Arts – Visual	ART 2123 Experiencing Art	3
MUSC	25003	Fine Arts – Musical	MUS 2003 Introduction to Music	3
THTR	25003	Fine Arts – Theatre	TH 2273 Introduction to Theatre	3

Science with Lab (8 hours)			ATU equivalent	Hours
BIOL	10004	Biology for General Education	BIOL 1014 Intro. To Biological Science	4
BIOL	10104	Principles of Biology	BIOL 1114 Principles of Biology	4
CHEM	14104	General Chemistry I	CHEM 2120 General Chemistry I Lab	0

			CHEM 2124 General Chemistry I	4
PHSC	10004	Physical Science	PHSC 1013 Intro. to Physical Science PHSC 1021 Physical Science Lab	4 0
PHYS	20104	General Physics I	PHYS 2000 Physics Laboratory I and PHYS 2004 Physics	0 4
PHYS	20304	University Physics I	PHYS 2114 Calculus-Based Physics I	4

Computer Information Systems (8 hours)			ATU equivalent	Hours
		Computer Science Core		
CPSI	19104	Introduction to Hardware/Software	COMS 2703 Computer Hardware and Architecture GENL 1XXX General Elective Credit	3 1
CPSI	20004	Programming Concepts	COMS 2323 Programming in Python GENL 2XXX General Elective Credit	3 1

Computer Information Systems Concentration (19 hours)			ATU equivalent	Hours
CPSI	18174	Networking Essentials	CSEC 1113 Introduction to Networking GENL 1XXX General Education Credit	3 1
CPSI	22184	Structured Programming	COMS 1013 Programming Foundations I COMS 1011 Programming Foundations I Lab	4
CPSI	20204	OOP & Fundamentals in Data Structures	COMS 2203 Programming Foundations II GENL 2XXX General Elective Credit	4
CSCE	20504	Cybersecurity Fundamentals	CSEC 1003 Introduction to Cybersecurity GENL 1XXX General Elective Credit	3 1
MATH	26103	Discrete Mathematics	MATH 2703 Discrete Mathematics	3

Arkansas Tech University Courses

Degree Requirements Track 1: Programming, Database, and Web (59 hours)

STAT	2163	Introduction to Statistical Methods	3
MATH	2243	Calculus for Business and Economics	3
COMS	1333	Web and Mobile Technologies	3
COMS	2013	AI Fundamentals	3
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

Degree Requirements Track 2: Networking and Security (59 hours)

STAT	2163	Introduction to Statistical Methods	3
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MATH	2243	Calculus for Business and Economics	3
COMS	2013	AI Fundamentals	3
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
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