Transfer Degree Plan

Associate of Science Technology and Engineering – UAPTC
Bachelor of Science Computer Engineering – ATU

UAPTC (60-61 credit hours):

English/Communications	Complete two (6 hours)		ATU equivalent	Hours
ENGL	10103	English Composition I	ENGL 1013 Composition I[1]	3
ENGL	10203	English Composition II	ENGL 1023 Composition II[1]	3

Math	Complete one (4 hours)		ATU equivalent	Hours
MATH	14004	Calculus I	MATH 2914 Calculus I	4

Lab Sciences	Complete two (8 hours)		ATU equivalent	Hours
CHEM	14103	General Chemistry I *and*	CHEM 2124 General Chemistry I	3
CHEM	14101	General Chemistry I Lab	CHEM 2120 General Chemistry I lab	1
PHYS	20403	Advanced College Physics I and	PHYS 2114 Calculus-Based Physics I	3
PHYS	20431	Advanced College Physics I Lab	PHYS 2000 Physics Laboratory I	1

History/Government	Complete one (3 hours)		ATU equivalent	Hours
HIST	21103	United States History to 1877 **OR**	HIST 2003 United States History to 1877	3
HIST	21203	United States History since 1877 **OR**	HIST 2013 United States History since 1877	3
POLS	20003	American National Government	POLS 2003 American Government	2

World History	Complete one (3 hours)		ATU equivalent	Hours
HIST	11103	History of Civilization I **OR**	HIST 1503 World History to 1500	3
HIST	11203	History of Civilization II	HIST 1513 World History since 1500	

Literature	Complete one (3 hours)		ATU equivalent	Hours
ENGL	21103	World Lit. from the Beg. to 1650	ENGL 2003 Introduction to World Lit.	3
ENGL	21203	World Lit. from 1650 to Present	GEHM 2XXX Gen. Ed – Humanities Credit	3
MUSC	10003	Introduction to Music **OR**	MUS 2003 Introduction to Music	3
THTR	20003	Introduction to Theatre **OR**	TH 2273 Introduction to Theatre	3
ARHS	21003	Introduction to Visual Art	ART 2123 Experiencing Art	3

Fine Arts	Complete one (3 hours)		ATU equivalent	Hours
MUSC	10003	Introduction to Music	MUS 2003 Introduction to Music	3
THEA	20003	Introduction to Theatre	TH 2273 Introduction to Theatre	3
ARHS	10003	Introduction to Visual Arts	ART 2123 Experiencing Art	3

Updated: 08/26/26

Social History & Science	Complete two (6 hours)		ATU equivalent	Hours
HIST	21103	US History to 1877 (if not chosen above)	HIST 2003 United States History to 1877	3
HIST	21203	US History since 1877 (if not chosen above)	HIST 2013 United States History since 1877	3
PLSC	20003	American National Government (if not chosen above)	POLS 2003 American Government	3
HIST	11103	History of Civilization I (if not chosen above)	HIST 1503 World History to 1500	3
HIST	11203	History of Civilization II (if not chosen above)	HIST 1513 World History since 1500	3
ECON	22003	Principles of Microeconomics	ECON 2013 Principles of Economics II	3
ECON	21003	Principles of Macroeconomics	ECON 2003 Principles of Economics I	3
SOCI	10103	Introduction to Sociology	SOC 1003 Introduction to Sociology	3
PSYC	11003	Psych. & the Human Experience	PSY 2003 General Psychology	3
SPCH	10003	Speech Communication	COMM 1003 Intro. to Comms.	3
PSYC	2300	Psychology and the Human Experience	PSY 2003 General Psychology	3

Core Electives	Complete 24-25 Hours		ATU equivalent Hours	
CIS	2514	Intro. to Computer Science I	COMS 1013 Programming Foundations I COMS 1011 Programming Foundations I Lab	3 1
CIS	2644	Intro. to Computer Science II	COMS 2203 Programming Foundations II GENL 2XXX General Elective Credit	3 1
CIS	2653	Computer Organization and Assembly Language **AND**	COMS 2223 Computer Organization and Programming	3
CIS	2733	Data Structures	COMS 2213 Data Structures	3
MATH	1405	Calculus II	MATH 2914 Calculus II	4
MATH	2406	Calculus III	MATH 2934 Calculus III	4
MATH	2310	Discrete Math	MATH 2703 Discrete Mathematics	3
PHYS PHYS	1306 1106	Advanced College Physics II Advanced College Physics II	PHYS 2124 Calculus-Based Physics II *and* PHYS 2010 Physics Laboratory II	4

Arkansas Tech University Courses (64 credit hours):

TECH	1001	Orientation to the University[3]	Waive
ELEG	1011	Introduction to Electrical and Computer Engineering	1
ELEG ELEG	2134 2130	Digital Logic Design *and* Digital Logic Design Lab	4
ELEG	2103	Electric Circuits I	3
ELEG	2111	Electric Circuits Laboratory	1
ELEG	2113	Electric Circuits II	3
ELEG	3243	Differential Equations I	3
ELEG	3133	Microprocessor Systems Design	3
STAT	3153	Applied Statistics	3
ELEG	3133	Microprocessor Systems Design	3
ELEG/MCEG	3003	System Modeling and Design	3

Updated: 08/26/26

ELEG	3103	Electronics I	3
ELEG	3123	Signals and Systems	3
ELEG	3143	Electromagnetics	3
COMS	3703	Advanced Operating Systems	3
ELEG	4103	Electronics II	3
ELEG/MCEG	4202	Engineering Design	2
CMPE	4191	Computer Engineering Design Project I	1
ELEG	4113	Digital Signal Processing	3
ELEG	4122	Electrical Systems Lab	2
ELEG	4133	Advanced Digital Design	3
ELEG	4143	Communication Systems I	3
ELEG	4303	Control Systems	3
CMPG	4192	Computer Engineering Design Project II	2
		Electrical Engineering Elective [4,5]	3

[1] See appropriate alternatives or substitutions in "General Education Requirements".
[2] Engineering Elective must be a 3000 or 4000 level Electrical Engineering course.
[3] Waive TECH 1001 for UAPTC transfer students.
[4] Engineering Elective must be a 3000 or 4000 level Electrical Engineering course.
[5] This program partners the BSCMPE undergraduate degree with the MSEE degree. A maximum of 12 graduate level credit hours can be counted towards both the BSCMPE degree in Computer Engineering and the MSEE degree. Four graduate level courses can be used to replace four upper division undergraduate courses as follows: • ELEG 5313 can replace ELEG 4313 Modern Control Systems • ELEG 5113 can replace ELEG 4113 Digital Signal Processing • ELEG 5153 can replace ELEG 4153 Communication Systems II • ELEG 5133 can replace ELEG 4133 Advanced Digital Design • ELEG 5993 can replace ELEG 4993 Special Problems in Engineering