UNIVERSITY OF ARKANSAS
PULASKI TECHNICAL COLLEGE

Transfer Agreement Checklist
Associate of Science in Technology & Engineering
Bachelor of Science in Biomedical Engineering

UNIVERSITY OF ARKANSAS

2022-2023

University of Arkansas Pulaski Technical College
Associate of Science in Technology & Engineering

English / Communications (6 credit hours)			UA	Semester	Hours	Grade
ENGL	1311	English Composition I	ENGL 1013		3	
ENGL	1312	English Composition II	ENGL 1023		3	

Mathematics (4 credit hours)			UA	Semester	Hours	Grade
MATH	1404	Calculus I	MATH 2554		4	

Sciences (8 credit hours)			UA	Semester	Hours	Grade
BIOL	1302/1102	Biological Science/Lab	BIOL 1543/1541L		4	
BIOL	2301/2101	Microbiology/Lab	BIOL 2013/2011L		4	

Fine Arts/Humanities (6 credit hours)			UA	Semester	Hours	Grade
ARTS MUSC THEA	2300 2300 2300	Introduction to Visual Arts or Introduction to Music or Introduction to Theatre	ARHS 1003 MLIT 1003 THTR 1003		3	
ENGL ENGL	2337 2338	World Literature from the Beginning to 1650 or World Literature from 1650 to the Present	WLIT 1113 WLIT 1123		3	

Social Sciences (12 credit hours)			UA	Semester	Hours	Grade
HIST HIST POLS	2311 2312 1310	U.S. History to 1877 or U.S. History since 1877 or American National Government	HIST 2003 HIST 2013 PLSC 2003		3	
HIST HIST	1311 1312	History of Civilization I or History of Civilization II	HIST 1113 HIST 1123		3	
ECON ECON	2323 2322	Principles of Macroeconomics or Principles of Microeconomics	ECON 2013 ECON 2023		3	
ECON ECON HIST HIST HIST HIST POLS PSYC SOCI	2323 2322 1311 1312 2311 2312 1310 2300 2300	Principles of Macroeconomics (if not chosen above) or Principles of Microeconomics (if not chosen above) or History of Civilization I (if not chosen above) or History of Civilization I (if not chosen above) or U.S. History to 1877 (if not chosen above) or U.S. History since 1877 (if not chosen above) or American National Government (if not chosen above) or Psychology and the Human Experience or Introduction to Sociology	ECON 2013 ECON 2023 HIST 1113 HIST 1123 HIST 2003 HIST 2013 PLSC 2003 PSYC 2003 SOCI 2013		3	

Engineering Requirements (27 credit hours)			UA	Semester	Hours	Grade
MATH	1405	Calculus II	MATH 2564		4	
MATH	2406	Calculus III	MATH 2574		4	
CHEM	1305/1105	General Chemistry I/Lab	CHEM 1103/1101L		4	
CHEM	1306/1106	General Chemistry II/Lab	CHEM 1123/1121L		4	
PHYS	1305/1105	Advanced College Physics I/Lab	PHYS 2054		4	
		STEM-Prep Elective from UA – University Physics II	PHYS 2074		4	
		STEM-Prep Elective from UA – Intro to Engineering	GNEG 1103		3	

UA-PTC Total Hours: 63

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			Semester	Hours	Grade
BMEG	2614	Introduction to Biomedical Engineering		4	
BMEG	2813	Biomechanical Engineering		3	
MATH	2584	Elementary Differential Equations		4	
BMEG	2904	Biomedical Instrumentation with Lab		4	
CHEG MEEG	2313 2403	Thermodynamics of Single-Component Systems or Thermodynamics		3	
BIOL	2533	Cell Biology		3	
MATH	3083	Linear Algebra		3	
BMEG	3634	Biomaterials with Lab		4	
BMEG	3124	Biomedical Signals and Systems with Lab		4	
CHEM	3603/3601L	Organic Chemistry I and Lab		4	
BMEG	3653	Biomedical Modeling and Numerical Methods		3	
BMEG	3824	Biomolecular Engineering with Lab		4	
BMEG	3801	Clinical Observations and Needs Finding		1	
CHEG MEEG	2133 3503	Fluid Mechanics or Mechanics of Fluids		3	
BIOL	2213/2211L	Human Physiology with Lab		4	
STAT	2823	Biostatistics		3	
BMEG	4813	Biomedical Engineering Design I		3	
BMEG	4623	Biomedical Transport Phenomena		3	
	Elective	BMEG Elective		3	
BMEG	4823	Biomedical Engineering Design II		3	
	Elective	BMEG Elective		3	
	Elective	BMEG Elective		3	

UA Total Hours: 72

Total Hours: 135