



Southern Arkansas University

Degree Completion Partnership Agreement with South Arkansas Community College Associate of Applied Science - Industrial Technology: Mechatronics

To

Southern Arkansas University B.S. in Engineering Physics with an option in Industrial Technology

Purpose

The purpose of this agreement is to assist students holding an Associate of Applied Science - Industrial Technology: Mechatronics degree at South Arkansas Community College to move smoothly from SouthArk to Southern Arkansas University (SAU) for the completion of a Bachelor of Science (BS) in Engineering Physics with an option in Industrial Technology. Through collaborative efforts, the partners desire to increase graduation rates, facilitate the transfer process and maintain a high quality working relationship between the two institutions.

First Semester – South Arkansas Community College, El Dorado, AR 71730

SouthArk Course Title	South Ark #	SAU #	2+2 Curriculum Proposed SouthArk Course #	2+2 Curriculum Proposed Hours
Student to Work Transition	TECH 1111	--	TECH 1111	1
Fund of Mechatronics & Industrial Maintenance	EDEQ 1003	--	EDEQ 1003	3
Fundamentals of Electricity and & electronics	IDEQ 1404	--	IDEQ 1404	4
Computers and Information Processing	CSCI 1003	--	CSCI 1003	3
Composition I	ENGL 1113	ENGL 1113	ENGL 1113	3
College Algebra	MATH 1023	MATH 1023	MATH 1023	3
				17 hours

Second Semester – South Arkansas Community College, El Dorado, AR 71730

SouthArk Course Title	South Ark #	SAU #	2+2 Curriculum Proposed SouthArk Course #	2+2 Curriculum Proposed Hours
Electronics and Electrical Circuits	IDEQ 1414	--	IDEQ 1414	4

(Fluid Power)	(IDEQ 1604)	--	(IDEQ 1604)	4
Industrial Motors and Controls	IDEQ 1904	--	IDEQ 1904	4
Industrial Safety	TECH 1203	ITEC 2032	TECH 1203	3
				15 hours

Third Semester – South Arkansas Community College, El Dorado, AR 71730

SouthArk Course Title	South Ark #	SAU #	2+2 Curriculum Proposed SouthArk Course #	2+2 Curriculum Proposed Hours
Introduction to PLC	MECT 1804	--	MECT 1804	4
Digital Circuit Technology	MECT 1504	--	MECT 1504	4
Composition II	ENGL 1123	ENGL 1123	ENGL 1123	3
Blueprint Reading for Industry	IDEQ 1103	--	IDEQ 1103	3
History of the United States to 1876 Or, History of the United States Since 1876, Or, American Government National	HIST 2013/HIST 2023/PSCI 2003	HIST 2013/HIST 2023	HIST 2013/HIST 2023/PSCI 2003	3
				17 hours

Fourth Semester - South Arkansas Community College, El Dorado, AR 71730

SouthArk Course Title	South Ark #	SAU #	2+2 Curriculum Proposed SouthArk Course #	2+2 Curriculum Proposed Hours
PLC Applications	MECT 2203	MECT 2203	MECT 2203	3
Industrial Mechanics & Mechanical Devices	IDEQ 2003	IDEQ 2003	IDEQ 2003	3
Social Science Elective	ECON 2103/ GEOG 2003/ PSCI 2003/PSYC 2003/SOC 2003	ECON 2103/ GEOG 2003/ PSCI 2003/PSYC 2003/SOC 2003	ECON 2103/ GEOG 2003/ PSCI 2003/PSYC 2003/SOC 2003	3
Introduction to Robotics	MECT 2803	--	MECT 2803	3
Physical Science	PHYS 2024	PHSC 2023/2021	PHSC 2023/2021	4
		16 hours		16 hours

SouthArk Hours = 65

Fifth Semester – Southern Arkansas University, Magnolia, AR 71753

SAU Course Title	South Ark #	SAU#	2+2 Curriculum Proposed SouthArk Course #	2+2 Curriculum Proposed Hours
Fine Arts/Humanities	ART 2003/ENGL 2213/ENGL 2223/PHIL 2003/MUS 2003	ART 2013/ HUM 2003/ENGL 2213/ENGL 2223/PHIL 2403/MUS 2013	ART 2013/ HUM 2003/ENGL 2213/ENGL 2223/PHIL 2403/MUS 2013	3
World Literature I or II	ENGL 2332/ENGL 2333	ENGL 2213/ENGL 2223	ENGL 2213/ENGL 2223	3
World History I or World History II	--	HIST 1003/ HIST I013	HIST 1003/ HIST 1013	3
Plane Trigonometry	--	MATH 1033	MATH 1033	3
Quality Control	--	ITEC 3003	ITEC 3003	3
				15 hours

Sixth Semester – Southern Arkansas University, Magnolia, AR 71753

SAU Course Title	South Ark #	SAU#	2+2 Curriculum Proposed SouthArk Course #	2+2 Curriculum Proposed Hours
Computational Methods of Industrial Tech	--	ITEC 3503	ITEC 3503	3
Operations Management I	--	ITEC 3263	ITEC 3263	3
Introduction to Applied Probability and Statistics	--	MATH 3043	MATH 3043	3
Manufacturing Policy and Ethics	--	ITEC 4004	ITEC 4004	3
Applied Calculus for Technology	--	Math 2123 (3xxx)	Math 2123 (3xxx)	3
				15

Seventh Semester – Southern Arkansas University, Magnolia, AR 71753

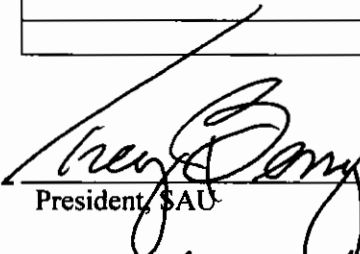
SAU Course Title	South Ark #	SAU#	2+2 Curriculum Proposed SouthArk Course #	2+2 Curriculum Proposed Hours
Work Analysis: The Study of Motion, Time, and Ergonomics		ITEC 3043	ITEC 3043	3
Production and Inventory Control	--	ITEC 3023	ITEC 3023	3
Industrial Materials	--	ITEC 3803	ITEC 3803	3

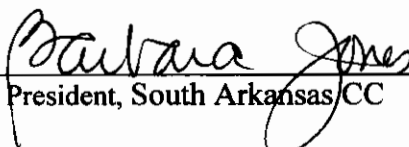
Work Experience or UL Technical Elective	--	*	*	3
Advanced Manufacturing Systems	--	ITEC 4044	ITEC 4044	4
				16 hours

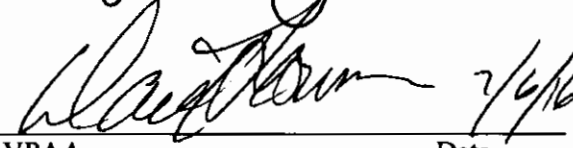
Eighth Semester – Southern Arkansas University, Magnolia, AR 71753


SAU Course Title	South Ark #	SAU#	2+2 Curriculum Proposed SouthArk Course #	2+2 Curriculum Proposed Hours
Engineering Economic Analysis		ITEC 3073	ITEC 3073	3
Operations Management II		ITEC 3363	ITEC 3363	3
Work Experience or UL Technical Elective	--	*	*	3
Fine Arts/ Humanities II	--	ART 2003/ENGL 2213/ENGL 2223/PHIL 2003/MUS 2003	ART 2013/HUM 2003/ENGL 2213/ENGL 2223/PHIL 2403/MUS 2013	3
Biological Science choice/Lab	BSCI 1013/1011 or BIOL 1103/1101	BSCI 1013/1011 or BIOL 1103/1101	BSCI 1013/1011 or BIOL 1103/1101	4
				16 hours

SAU Hours = 62


 President, SAU 7/6/16
 Date


 President, South Arkansas/CC 7/6/16
 Date


 VPAA 7/6/16
 Date


 VP for Learning 7/6/16
 Date