



## SouthArk Guided Pathway to Success (GPS)

# ACADEMIC MAP: Industrial Technology-Mechatronics (Program of Study)

Full-Time     Part-Time

Student Name	Student ID	Student Phone #	
Advisor Name	Advisor E-mail	Advisor Phone #	
Program Description	The Industrial Technology program is designed by the advisory committee to meet industry requirements. Successful completion will equip students with the technical skills necessary to maintain, repair, troubleshoot, and manage modern maintenance programs in industrial plants, warehouses, hospitals, schools, and government buildings. Specific topics of coverage include fluid power and controls, gear and belt-drive systems, electric motors and control systems, programmable logic controls, and process controls. Classes are designed in lecture and lecture-lab format to give the student a solid foundation in general maintenance skills.		
Program Requirements	31 credit hours		
Link to Program Webpage	<a href="http://www.southark.edu/academics/career-and-technical-education/industrial-technology-mechatronics">http://www.southark.edu/academics/career-and-technical-education/industrial-technology-mechatronics</a>		
Career Opportunities			
Transfer Paths and Requirements			
Expected Award upon Program Completion	<input type="checkbox"/> CP <input checked="" type="checkbox"/> TC <input type="checkbox"/> AA <input type="checkbox"/> AS <input type="checkbox"/> AAS		
Date Expected to Graduate	Semester/Year:		

### BASIC STUDIES REQUIREMENTS:

Reading: ACT 19 or above (or) ASSET 43 or above (or) COMPASS 83 or above (or) Accuplacer 78 or above (or) complete BSTD 0613 English II.  
 Writing: ACT 19 or above (or) ASSET 45 or above (or) COMPASS 80 or above (or) Accuplacer 83 or above (or) complete BSTD 0613 English II.  
 Math: ACT 19 or above (or) ASSET Intermediate Algebra Skills 43 or above (or) COMPASS 71 or above (or) Accuplacer 78 or above (or) complete BSTD 0513 Intermediate Algebra.

### STUDENT'S SCORES:

SUBJECT	TEST	SCORE
Reading		
Writing		
Math		

### STUDENT'S BSTD REQUIREMENTS (Check applicable courses):

<input type="checkbox"/>	BSTD 0603 Eng. I	<input type="checkbox"/>	BSTD 0413 Elem. Algebra
<input type="checkbox"/>	BSTD 0613 Eng. II	<input type="checkbox"/>	BSTD 0513 Intermed. Algebra
<input type="checkbox"/>	BSTD 0211 Comp. I Lab		

### CHOOSE COURSE PLAN WITH ADVISOR TO ASSURE PROPER ACADEMIC PROGRESSION

FIRST SEMESTER/YEAR: \_\_\_\_\_ / \_\_\_\_\_

Course Number	Course Name	Code (see key)	Credit Hours	Grade	Milestones	Actions
SASC 0103	SouthArk Success (SAS)		3		Completion of first semester coursework.	Work to complete Campus Technology before class begins or within the first two weeks. Meet with program director or faculty to discuss status.
SASC 1101	Campus Technology		1			
MECH 1003	Fundamentals of Mechatronics		3			
MECH 1404	Fundamentals of Electricity and Electronics		4			
MECH 1203	Industrial Safety <b>OR</b>		3			
PTEC 1123	Safety, Health, and the Environment					
MATH 1073	Technical Math <b>OR</b>		3			
MATH 1023	College Algebra					
CSCI 1003	Computers and Information Processing		3			
<b>Total</b>			<b>16</b>			

SECOND SEMESTER/YEAR: \_\_\_\_\_ / \_\_\_\_\_

Course Number	Course Name	Code (see key)	Credit Hours	Grade	Milestones	Actions
MECH 1414	Electronics and Electrical Circuits		4		Completion of Technical Certificate – Industrial Technology.	Meet with program director or faculty to discuss status and job placement.
MECH 1604	Fluid Power		4			
MECH 1804	Intro to Programmable Logic Controllers (PLCs)		4			
MECH 1103	Electrical Drawings		3			

### Key:

F – Only offered in Fall semester	O – Only offered Online	T – Transfer	CP – Certificate of Proficiency	AA – Associate of Arts Degree
S – Only offered in Spring semester	P – Prerequisite to Program	* Critical Course	TC – Technical Certificate	AS – Associate of Science Degree
SU – Only offered in Summer semester	SUB – Substitution			AAS – Associate of Applied Science Degree



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<b>Total</b>	15	
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**THIRD SEMESTER/YEAR:** \_\_\_\_\_ / \_\_\_\_\_

Course Number	Course Name	Code (see key)	Credit Hours	Grade	Milestones	Actions

**FOURTH SEMESTER/YEAR:** \_\_\_\_\_ / \_\_\_\_\_

Course Number	Course Name	Code (see key)	Credit Hours	Grade	Milestones	Actions

**COMMENTS AND NOTES:**

**GRADUATION REQUIREMENTS:**

<b>SouthArk Credit Hours</b>	
<b>Transfer Credit Hours</b>	
<b>TOTAL CREDIT HOURS</b>	
<b>CUMULATIVE GPA</b>	

Minimum Cumulative GPA of 2.00? (Required)	<input type="checkbox"/>
All Program Courses Completed with a Minimum Grade of 'C' or Higher? (Required)	<input type="checkbox"/>
Any 50% or the last 25% of Total Credit Hours? (Required)	<input type="checkbox"/>

**SIGNATURES:**

I understand that when seeking a credential, I may be required to enroll in basic studies (BSTD) courses as a result of my test scores in compliance with Arkansas Law, Act 1052, which may take additional semesters for successful completion.

**Student:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Advisor:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Registrar:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Key:**

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