Name_____ ID #_____

2017-2018 AUTOMATION AND ROBOTICS TECHNOLOGY (MAR4)
Associate of Applied Science Degree
Education Plan

Grades of "C" or better must be maintained in all "Core Curriculum" and "Program Requirements" courses in order to continue and graduate in the Automation and Robotics Technology program.

Placement Classes

English (COM)	Mathematics (MAT)	Reading (COM)
095 097 101 110 TRANSFER	051 071 115 TRANSFER	050 070 N/A

CORE CURRICULUM

Grade	Semester	Course #	Course Name	Cr Hr
		MAR 100	Work Experience Mentoring and Professional Development I	2
		MAR 101	Introduction to Electricity	4
		MAR 102	Work Experience Mentoring and Professional Development II	2
		MAR 110	Mechanical and Fluid Power Transmission	3
		MAR 118	Industrial Motors and their Controls	4
		MAR 125	Applied Electronics	4
		MAR 150	Machine Shop Fundamentals	4
		MAR 200	Work Experience Mentoring and Professional Development III	2
		MAR 201	Work Experience Mentoring and Professional Development IV	2
		MAR 203	Work Experience Mentoring and Professional Development V	2
		MAR 204	PLC Programming	4
		MAR 206	Industrial Robotics	4
		MAR 211	Theory of Industrial Automation	2
		MAR 215	Introduction to Quality Control	3
		MAR 221	Mechanical and Electronic Device Troubleshooting	3
			SUB-TOTAL	**45**

PROGRAM REQUIREMENTS

		DDT 135	Introductory Drafting Fundamentals	3
		WLT 128	Basic Welding	3
			SUB-TOTAL	**6**

GENERAL EDUCATION REQUIREMENTS

		COM 101	English Composition or COM 110 Honors Composition	3
		COM 111	Oral Communications or COM 121 Public Speaking	3
		CPP 101	Introduction to Microcomputer Usage or CPP 102 Advanced Microcomputer Usage	3
		MAT 115	College Algebra or MAT 118 Survey of College Mathematics	3
		PHY 101	College Physics	4
		PHY 102	College Physics Lab	
		PSC 101	American Government or HST 105 Am. History to 1877 or HST 110 Am. History from 1877	3
			SUB-TOTAL	**19**

GRADUATION REQUIREMENT

		COM 125	Job Search Strategies	1
			SUB-TOTAL	**1**
			PROGRAM TOTAL	**71**

Pre-requisite Classes - if applicable

		COM 050	Reading Fundamentals			COM 070	College Reading Preparation
		COM 095	Basic Writing			COM 097	Intermediate Writing
		MAT 051	Introductory Algebra			MAT 071	Intermediate Algebra

I understand this education plan is the list of courses (not including pre-requisite courses) I must pass in order to earn the degree/certificate I'm pursuing. It is my responsibility, with the assistance of my advisor, to ensure I have enrolled in and appropriately passed all courses required for graduation. Any degree exceptions will be agreed upon by my Department Chair, the Dean or Associate Dean of Instruction, and me and submitted to the Registrar on the Degree Exception form. I am responsible for knowing the graduation requirements for my program as they are listed in the catalog.

Student Signature / Date:_____ **Advisor Signature / Date:**_____

The signed original of this form should be submitted to the Academic Records Office upon initial enrollment, and copies should be kept by the student and advisor.

Sample Course of Study for the
Automation and Robotics Technology
Associate of Applied Science Degree

1st Fall Semester		12 hours
DDT 135	Introductory Drafting Fundamentals (online)	3
MAR 100	Work Experience Mentoring and Professional Development I	2
MAR 101	Introduction to Electricity	4
WLT 128	Basic Welding	3

1st Spring Semester		13 hours
MAR 102	Work Experience Mentoring and Professional Development II	2
MAR 118	Industrial Motors and their Controls	4
MAR 125	Applied Electronics	4
Mathematics General Education Requirement (online)		3

Summer Semester		17 hours
COM 101	English Composition (online)	3
COM 111	Oral Communications (online)	3
CPP 101	Introduction to Microcomputer Usage (online)	3
MAR 110	Mechanical and Fluid Power Transmission	3
MAR 200	Work Experience Mentoring and Professional Development III	2
Social Science General Education Requirement (online)		3

2nd Fall Semester		13 hours
MAR 150	Machine Shop Fundamentals	4
MAR 201	Work Experience Mentoring and Professional Development IV	2
MAR 204	PLC Programming	4
MAR 215	Introduction to Quality Control	3

2nd Spring Semester		16 hours
COM 125	Job Search Strategies (online)	1
MAR 203	Work Experience Mentoring and Professional Development V	2
MAR 206	Industrial Robotics	4
MAR 211	Theory of Industrial Automation	2
MAR 221	Mechanical and Electronic Device Troubleshooting	3
PHY 101	College Physics*	4
PHY 102	College Physics Lab*	0

Please read the course descriptions in our catalog on the State Tech website to check for additional pre-requisites for these classes.

*This class is offered in consortium with another higher education institution and transferred to State Technical College of Missouri.

You should apply for graduation during your 2nd Fall semester of classes.