

Name _____

ID # _____

2018-2019 AUTOMATION AND ROBOTICS TECHNOLOGY (MAR4)
Associate of Applied Science Degree
Education Plan

*A grade of "C" or better must be maintained in all courses in order to continue
and graduate in the Automation & Robotics Technology program.*

Placement Classes

English (COM)

095 097 101 110 TRANSFER

Mathematics (MAT)

051 071 115 TRANSFER

Reading (COM)

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

<u>1st Fall Semester</u>		<u>12 hours</u>
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
 <u>1st Spring Semester</u>		 <u>13 hours</u>
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
 <u>Summer Semester</u>		 <u>14 hours</u>
COM 101	English Composition (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
 <u>2nd Fall Semester</u>		 <u>16 hours</u>
COM 111	Oral Communications (online)	3
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
 <u>2nd Spring Semester</u>		 <u>16 hours</u>
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.