

Name _____

ID # _____

2018-2019 NUCLEAR TECHNOLOGY – Instrumentation and Control Option (MNT1)
Associate of Applied Science Degree
Education Plan

Placement ClassesEnglish (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
_____	_____	COM 211	Technical Writing	3
_____	_____	MAR 101	Introduction to Electricity	4
_____	_____	MNT 100	Human Performance Fundamentals	2
_____	_____	MNT 102	Nuclear Industry Fundamentals	2
_____	_____	MNT 107	Basic Nuclear Math and Theory	4
_____	_____	MNT 110	Mechanical and Fluid Power Transmission	1
_____	_____	MNT 189	Reactor Plant Components	4
_____	_____	MNT 197	Basic Reactor Safety, Theory, and Operations	4
_____	_____	MNT 211	Piping and Instrumentation Drawings	2
_____	_____	MNT 290	Internship	4
SUB-TOTAL				30

PROGRAM REQUIREMENTS

_____	_____	MAR 118	Industrial Motors and their Controls	4
_____	_____	MAR 125	Applied Electronics	4
_____	_____	MAR 204	PLC Programming	4
_____	_____	MAR 218	Computer Interfacing	3
_____	_____	MNT 265	Nuclear Instrumentation and Control I	4
_____	_____	MNT 269	Nuclear Instrumentation and Control II	3
SUB-TOTAL				22

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	Intro to Microcomputer Usage or 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	0
_____	_____	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				72

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
 State Technical College of Missouri
 Nuclear Technology - Instrumentation and Control Option
 Associate of Applied Science Degree

<u>1st Fall Semester</u>		<u>18 hours</u>
COM 125	Job Search Strategies	1
CPP 101	Intro to Microcomputer Usage	3
MAR 101	Introduction to Electricity	4
MNT 102	Nuclear Industry Fundamentals	2
MNT 107	Basic Nuclear Math and Theory	4
MNT 189	Reactor Plant Components	4
 <u>1st Spring Semester</u>		 <u>18 hours</u>
MAR 118	Industrial Motors and their Controls	4
MAR 125	Applied Electronics	4
Math General	Education Requirement	3
MNT 100	Human Performance Fundamentals	1
MNT 197	Basic Reactor Safety, Theory, and Operations	4
MNT 211	Piping and Instrumentation Drawings	2
 <u>Summer Semester</u>		 <u>4 hours</u>
MNT 290	Internship	4
 <u>2nd Fall Semester</u>		 <u>15 hours</u>
COM 101	English Composition	3
MAR 204	PLC Programming	4
MNT 265	Nuclear Instrumentation and Control I	4
PHY 101	College Physics	4
PHY 102	College Physics Lab	0
 <u>2nd Spring Semester</u>		 <u>16 hours</u>
COM 111	Oral Communications	3
COM 211	Technical Writing	3
MAR 218	Computer Interfacing	3
MNT 110	Mechanical and Fluid Power Transmission	1
MNT 269	Nuclear Instrumentation and Control II	3
Social Science	General Education Requirement	3

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

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