Name_____ ID #_____

2018-2019 NUCLEAR TECHNOLOGY - REACTOR OPERATIONS OPTION (MNT3)

Associate of Applied Science Degree

Education Plan

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
		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

		MNT 118	Electrical Theory and Safety	4
		MNT 270	Thermodynamics, Fluid Flow, and Advanced Reactor Theory	5
		MNT 274	Reactor Plant Systems	3
		MNT 275	Nuclear Reactor Operation Fundamentals I	2
		MNT 278	Reactor Plant Operations	4
		MNT 279	Nuclear Reactor Operation Fundamentals II	3
		PHY 121	General Chemistry I	5
			SUB-TOTAL	**26**

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 & PHY 102 College Physics Lab	4
		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	**76**

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 - Reactor Operations Option
Associate of Applied Science Degree

1st Fall Semester		18 hours
COM 125	Job Search Strategies	1
CPP 101	Introduction 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

1st Spring Semester		20 hours
Math General Education Requirement		3
MNT 100	Human Performance Fundamentals	2
MNT 110	Mechanical and Fluid Power Transmission	1
MNT 197	Basic Reactor Safety, Theory, and Operations	4
MNT 211	Piping and Instrumentation Drawings	2
MNT 274	Reactor Plant Systems	3
PHY 121	General Chemistry I	5

Summer Semester		4 hours
MNT 290	Internship	4

2nd Fall Semester		17 hours
COM 101	English Composition	3
COM 111	Oral Communications	3
MNT 270	Thermodynamics, Fluid Flow, and Advanced Reactor Theory	5
MNT 275	Nuclear Reactor Operation Fundamentals I	2
PHY 101	College Physics	4
PHY 102	College Physics Lab	0

2nd Spring Semester		17 hours
COM 211	Technical Writing	3
MNT 118	Electrical Theory and Safety	4
MNT 278	Reactor Plant Operations	4
MNT 279	Nuclear Reactor Operation Fundamentals 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.